



MS4 Annual Reporting - Preparer View

2023 Annual MS4 Report - General Information

Report Status: In Progress

Permittee: **WRIGHTSTOWN TWP BUCKS CNTY** | NPDES Permit No.: **PAG130043**Facility Name: **WRIGHTSTOWN TOWNSHIP MS4**MS4 Contact: **STACEY MULHOLLAND**Facility Address: **2203 SECOND STREET PIKE, WRIGHTSTOWN, PA, 18940**Title: **TOWNSHIP MGR**Facility ID: **636818**Phone: **215-598-3313**County: **Bucks**Email: **manager@wrightstownpa.org**Municipality: **Wrightstown Twp**Effective Date: **04/18/2019**

Expiration Date:

Renewal Due Date: **09/30/2024**[Back](#)[Update Facility Information](#)[Continue](#)

MS4 Report (Current Version)

Appendix Selection

[Edit](#)

You must review each appendix and select the appropriate appendices below.

☐ Appendix A
 ☒ Appendix B
 ☐ Appendix C
 ☐ Appendix D
 ☒ Appendix E
 ☐ Appendix F

Water Quality Information Module

Are there any discharges to waters within the Chesapeake Bay Watershed? ☐ Yes ☒ No

Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information.

Receiving Water Name	Ch. 93 Class	Impaired	Cause(s)	TMDL	WLA	Actions
Neshaminy Creek	WWF, MF	Yes	Nutrients, Pathogens, Siltation	Yes	No	
UNT to Neshaminy Creek	WWF, MF	No		No	No	
Jericho Creek	WWF, MF	Yes	Siltation	No	No	
UNT to Jericho Creek	WWF, MF	No		No	No	

[+ Add](#)

[Complete Module](#)

General Minimum Control Measure (MCM) Information Module



Have you completed all MCM activities required by the permit for this reporting period?

☒ Yes ☐ No

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

MCM	Entity Responsible	Contact Name	Phone Number	
#1 Public Education and Outreach on Stormwater Impacts	Wrightstown Township	Stacey Mulholland	215-598-3313	+Add
#2 Public Involvement / Participation	Wrightstown Township	Stacey Mulholland	215-598-3313	+Add
#3 Illicit Discharge Detection and Elimination (IDD&E)	Wrightstown Township	Stacey Mulholland	215-598-3313	+Add
#4 Construction Site Stormwater Runoff Control	Wrightstown Township	Stacey Mulholland	215-598-3313	+Add
	BCCD	BCCD	215-345-7577	
#5 Post-Construction Stormwater Management in New Development and Redevelopment	Wrightstown Township	Stacey Mulholland	215-598-3313	+Add
	BCCD	BCCD	215-345-7577	
#6 Pollution Prevention / Good Housekeeping	Wrightstown Township	Stacey Mulholland	215-598-3313	+Add

[Complete Module](#)

MCM #1 – Public Education & Outreach on Stormwater Impacts Module



BMP #1: Develop, implement and maintain a written Public Education and Outreach Program.

1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?

Not Applicable

2. Date of latest annual review of PEOP:

06/01/2023



Were updates made?

☒ Yes ☐ No

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

To continue to provide stormwater and MS4 related information on the Township website and on the Township Cable Access Channel, have pamphlets available to the public at the Township offices, distribute information with Building, Grading and Zoning Permit Applications and to discuss stormwater and MS4 related items at public meetings of the Board of Supervisors.

Characters Remaining: 3636

4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period?

Yes

5. Identify specific plans and goals for public education and outreach for the upcoming year:

The goal of the public education program is to provide stormwater education to residents and businesses within the Township so that they will have an increased awareness about stormwater and the impacts of stormwater discharges on local and downstream waterways and be encouraged to help the Township reduce pollutants to our streams, lakes, and rivers. The following steps will be taken to move toward achieving the goal: include discussions of MS4 and stormwater related information at public meetings, provide educational information on the Township Website and

Characters Remaining: 3304

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

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

Not Applicable

2. Date of latest annual review of target audience lists:

06/01/2023



Were updates made?



Yes



No

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

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

Not Applicable

2. Date of latest annual review of educational materials:

06/01/2023



Were updates made?



Yes



No

3. Do you have a municipal website? ☒ Yes ☐ No

URL: wrightstownpa.org

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

The Township website has a dedicated page for Storm Water. (Appendix B). The web page includes a description of the MS4 Stormwater Management Program and the 6 minimum control measures. There are links to the pamphlets titled "When it Rains, it Drains", "After the Storm", "Make your Home the Solution to Stormwater Pollution", "What the Construction Industry should know about Stormwater", "A Guide to Yard Waste and Lawn Care", "No Dumping to Stormwater Inlets" and "Swimming Pool Water Discharge Guidelines." The webpage also includes a section from the

Characters Remaining: 3110

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

In addition to the website, the Township has stormwater related information available at the Township Office and on the Township's Facebook page and Neshaminy Creek Watershed Association sent an educational newsletter to those that are registered for the Association's emails. (See Appendix C) The Township provides stormwater information on the Cable Access Channel. (See Appendix D) Additionally, information is provided to residents and/or contractors with Building, Grading and Zoning Permit applications.

Characters Remaining: 3487

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





The Township will continue to provide educational information on the Township website, on the Cable Access Channel, Facebook Page, and at the Township Offices. Information will continue to be discussed at public meetings as issues/items arise. Stormwater and/or MS4 related information will continue to be provided with Building, Grading and Zoning Permits.

Characters Remaining: **3643****BMP #4: Distribute stormwater educational materials to the target audiences.**

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

As stated above, in addition to the website, the Township had stormwater related information available at the Township Office and on the Township Cable Access Channel. Information is also provided to residents and/or contractors with Building, Grading and Zoning Permit applications. Additionally, information was provided on the Township's Facebook page.

Characters Remaining: **645****MCM #1 Comments:**Characters Remaining: **4000****MCM #1 Attachments:**

File Name	Document Type	Short Description	Action
App A - 2023 PEOP.pdf (/MS4/Report/GetDocument?documentId=6031654)	Public Education and	Public Education and Outreach Plan Characters Remaining: 166	
App B - 2023 Website.pdf (/MS4/Report/GetDocument?documentId=6031655)	Stormwater Education	Township Website Characters Remaining: 184	
App C - Neshaminy Newsletter & Facebook.pdf (/MS4/Report/GetDocument?documentId=6031659)	Stormwater Education	Neshaminy Watershed Newsletter & Township Facebook Posts Characters Remaining: 144	
App D - Cable TV Slides.pdf (/MS4/Report/GetDocument?documentId=6031662)	Stormwater Education	Cable TV Slides on Township's Channel Characters Remaining: 163	



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](#)

MCM #2 – Public Involvement/Participation Module



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

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

Not Applicable

2. Date of latest annual review of PIPP:

06/01/2023



Were updates made?



Yes



No

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

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period?



Yes





No

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

During the 2021-2022 reporting year modifications to the existing Stormwater Ordinance were developed in order to comply with the 2022 Model MS4 Stormwater Ordinance. This ordinance was adopted on 12/19/2022 by the Board of Supervisors. Residents were provided an opportunity to comment/ and review the ordinance revisions during public meetings. Additionally, the Township website provides a pending ordinance review page. The minutes from the Board of Supervisors meeting are in Appendix F and the adopted Stormwater Management Ordinance Amendment

Characters Remaining: 423

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

Ordinance/SOP/Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP	Action
Ordinance 325	10/17/2022	12/19/2022	12/24/2022	 

[+ Add](#)

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

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



Yes



No

If Yes, Date of Meeting or Event:

MM/DD/YYYY



2. Report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed and conservation organizations; and similar instances of participation or coordination with organizations in the community.

The public was encouraged to participate in recycling and/or hazardous waste collection events through the Township website and Facebook page during this reporting year. The public is provided opportunities to provide input on various issues during the Township's Board of Supervisors and committee meetings.

Characters Remaining: 3691

3. Report activities in which members of the public assisted or participated in the meetings and in the implementation of the SWMP, including education activities or efforts such as cleanups, monitoring, storm drain stenciling, or others.

Durning the 2022-2023 reporting year, members of the public are welcome to ask questions and/or provide comment at any public meetings of the Township Board of Supervisors. Residents were encouraged to participate in recycling and/or hazardous waste collection events.




Characters Remaining: 3732

MCM #2 Comments:

The required Public Meeting for the permit term was held March 28, 2019.

Characters Remaining: 3928

MCM #2 Attachments:

File Name	Document Type	Short Description	Action
App E - 2023 PIPP.pdf (/MS4/Report/GetDocument?documentId=6031672).	Public Involvement/Pi	Public Involvement & Participation Plan Characters Remaining: 161	
App F - 12 19 22 BoS Minutes.pdf (/MS4/Report/GetDocument?documentId=6031675).	Other	Board of Supervisors Minutes for Stormwater Ordinance Adoption Characters Remaining: 138	
App G - Ord. No. 325 - Stormwater Amendments.pdf (/MS4/Report/GetDocument?documentId=6031677).	Stormwater Ordinanc	Stormwater Management Ordinance Amendment Characters Remaining: 159	

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](#)**MCM #3 – Illicit Discharge Detection and Elimination (IDD&E)**

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

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

Not Applicable

2. Date of latest annual review of IDD&E program:

06/01/2023



Were updates made?

☐ Yes

☒ No

BMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if applicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls and observation points shall be numbered on the map(s).

1. Have you completed a map(s) that includes all components of BMP #2? ☒ Yes ☐ No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

MM/DD/YYYY



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

12/01/2018



3. Total No. of Outfalls in MS4:

24

Total No. of Outfalls Mapped:

24

4. Total No. of Observation Points:

8

Total No. of Observation Points Mapped:

8

5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?

☐ Yes

☒ No

If Yes, select:

Existing Outfall(s) Identified

☐ Yes

☒ No

New Outfall(s) Proposed

☐ Yes

☒ No

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the permittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, channels, and any other components of the storm sewer collection system), including privately-owned components of the collection system where conveyances or BMPs on private property receive stormwater flows from upstream publicly-owned components.

1. Have you completed a map(s) that includes all components of BMP #3? ☒ Yes ☐ No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

MM/DD/YYYY



2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? ☒ Yes ☐ No

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

12/01/2018



BMP #4: Conduct dry weather screenings of MS4 outfalls to evaluate the presence of illicit discharges. If any illicit discharges are present, the permittee shall identify the source(s) and take appropriate actions to remove or correct any illicit discharges. The permittee shall also respond to reports received from the public or other agencies of suspected or confirmed illicit discharges associated with the storm sewer system, as well as take enforcement action as necessary. The permittee shall immediately report to DEP illicit discharges that would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property.

For new permittees, all identified outfalls (and if applicable observation points) must be screened during dry weather at least twice within the 5-year period following permit coverage. For existing permittees, all identified outfalls (and if applicable observation points) must be screen during dry weather at least once within the 5-year period following permit coverage and, for areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls must be screened annually during each year of permit coverage.

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

0

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

%

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows:

%

4. Did any dry weather flows reveal color, turbidity, sheen, odor, floating or submerged solids?



Yes



No

5. If Yes for #4, attach all sample results to this report with a map identifying the sample location. Explain the corrective action(s) taken in the attachment.

6. Do you use the MS4 Outfall Field Screening Report form [\[3800-FM-BCW0521\]](#) (<http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=2740>) provided in the permit?



Yes



No

If No, attach a copy of your screening report form.

BMP #5: Enact a Stormwater Management Ordinance or SOP to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that prohibits non-stormwater discharges?




Yes



No

If Yes, indicate the date of the ordinance or SOP:

Date of the Ordinance	Borough/Township Name?	Action
<input type="text" value="12/19/2022"/>	<input type="text" value="Wrightstown Township"/>	
<div>+ Add</div>		

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-XXXXXXXXXX) with respect to authorized non-stormwater discharges?



Yes



No

If Yes to #1 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period?



Yes



No

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

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken	Action
No data available in table				
<div>+ Add</div>				

4. Did you approve any waiver or variance during the reporting period that allowed an exception to non-stormwater discharge provisions of an ordinance or SOP?



Yes



No

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

Characters Remaining: 1000

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

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period?

☒ Yes ☐ No

If Yes, what was distributed?

Information regarding reporting illicit discharges is included on the Township website and the Cable Access Channel.

Characters Remaining: 884

2. Is there a well-publicized method for employees, businesses and the public to report stormwater pollution incidents?

☒ Yes ☐ No

3. Do you maintain documentation of all responses, action taken, and the time required to take action?

☒ Yes ☐ No

MCM #3 Comments:

Characters Remaining: 4000

MCM #3 Attachments:

File Name	Document Type	Short Description	Action
App H - IDD&E Program.pdf (/MS4/Report/GetDocument?documentId=6031683)	IDD&E Program Plan	Illicit Discharge Detection & Elimination Plan Characters Remaining: 154	
<div> Drag and drop file(s) here to upload or Choose File </div> <p>Allowed File Types: PDF, JPG, JPEG, DOC, DOCX, XLS and XLSX Max File Upload per File: 50MB</p>			
<div>Complete Module</div>			

MCM #4 – Construction Site Stormwater Runoff Control



Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?

☒ Yes ☐ No

(If Yes, respond to questions for BMP Nos. 1, 2 and 3 only in this section. If No, respond to questions for all BMPs in this section)

BMP #1: The permittee may not issue a building or other permit or final approval to those proposing or conducting earth disturbance activities requiring an NPDES permit unless the party proposing the earth disturbance has valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102.

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)? Note: If no building permit applications were received you may select Not Applicable.

BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.





During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)? Note: If no building permit applications were received you may select Not Applicable.

BMP #3: Enact, implement and enforce an ordinance or SOP to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs?

☒ Yes ☐ No

If Yes, indicate the date of the ordinance or SOP:

Date of the Ordinance		Borough/Township Name?	Action
<input type="text" value="09/17/2007"/>		<input type="text" value="Wrightstown Township"/>	
<input type="text" value="12/19/2022"/>		<input type="text" value="Wrightstown Township"/>	
<div>+ Add</div>			

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-XXXXXXXXXX)?

☒ Yes ☐ No

3. If Yes to #1 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

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

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

Characters Remaining: 1000

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

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

Characters Remaining: 1000

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

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

Characters Remaining: 1000

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

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

Characters Remaining: 1000

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

1. A tracking system has been established for receipt of public inquiries and complaints.

☐ Yes ☐ No

2. Specify the number of inquiries and complaints received during the reporting period:

Characters Remaining: 1000

MCM #4 Comments:

Please see the adopted stormwater ordinance attached to this MCM

Characters Remaining: 3936

MCM #4 Attachments:

File Name	Document Type	Short Description	Action
You may upload attachments here.			

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](#)**MCM #5 – Post-Construction Stormwater Water Management in New Development & Redevelopment Module****BMP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.****1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs?**

Yes



No

If Yes, indicate the date of the ordinance or SOP:

Date of the Ordinance		Borough/Township Name?	Action
<input type="text" value="03/03/2014"/>		<input type="text" value="Wrightstown Township"/>	
<div>+ Add</div>			

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)?

Yes



No

3. If Yes to #1 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.**BMP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment. Measures should also be included to encourage retrofitting LID into existing development. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices.****1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that encourages and expands the use of LID in new development and redevelopment?**

Yes



No

If Yes, indicate the date of the ordinance or SOP:

Date of the Ordinance		Borough/Township Name?	Action
<input type="text" value="03/21/2016"/>		<input type="text" value="Wrightstown Township"/>	
<input type="text" value="12/19/2022"/>		<input type="text" value="Wrightstown Township"/>	
<div>+ Add</div>			

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-XXXXXXXXXX)?

Yes



No

3. If Yes to #1 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

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

1. Do you have an inventory of all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003?

☒ Yes ☐ No

If Yes to #1, complete Table 1 in the next module.

2. Has proper O&M occurred during the reporting period for all PCSM BMPs?

☒ Yes ☐ No

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

Characters Remaining: 4000

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

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

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale).

Characters Remaining: 1000

2. Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?

☐ Yes ☐ No

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

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?

- Select -

2. Has a tracking system been established and maintained to record results of inspections?

☐ Yes ☐ No

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


Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed?

☐ Yes ☐ No

MCM #5 Comments:

Characters Remaining: 4000

MCM #5 Attachments:

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





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.

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Latitude	Longitude	Drain Area
1	Wet Ponds and Wetlands	01/01/2010			Yes	40.291131	-74.996378	
	Entity Responsible for O&M:	O&M Requirements:	Permit Number:	Description:				
	Wrightstown Township - Parson's Lane	Per Plans and BMP Manual						
2	Dry Extended Detention Basin	01/01/2010			Yes	40.291131	-74.996378	
	Entity Responsible for O&M:	O&M Requirements:	Permit Number:	Description:				
	Wrightstown Township - Parson's Lane	Per Plans and BMP Manual						
3	Wet Ponds and Wetlands	01/01/2007			Yes	40.271390	-74.988961	
	Entity Responsible for O&M:	O&M Requirements:	Permit Number:	Description:				
	Residential Property Owner - 53 Lark Lane	Per Plans and BMP Manual						

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Latitude	Longitude	Drain Area
4	Infiltration Practices	01/01/2007		✓	Yes	40.271390	-74.988961	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Property Owner - 53 Lark Lane	Per Plans and BMP Manual						
5	Infiltration Practices	01/01/2010		✓	Yes	40.271667	-74.988333	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Residential Property Owner - 35 Lark Lane	Per Plans and BMP Manual for Seepage Beds						
6	Infiltration Practices	01/01/2010		✓	Yes	40.271333	-74.987456	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Residential Property Owner - 42 Lark Lane	Per Plans and BMP Manual for Seepage Beds						
8	Dry Extended Detention Basin	01/01/2007		✓	Yes	40.270961	-74.988232	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Residential Property Owner - 62 Lark Lane	Per Plans and BMP Manual						
7	Infiltration Practices	01/01/2007		✓	Yes	40.270691	-74.988232	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Residential Property Owner - 62 Lark Lane	Per Plans and BMP Manual for Seepage Beds						
9	Dry Extended Detention Basin	01/01/2011		✓	Yes	40.274808	-74.990488	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Residential Property Owner - 673 Durham Road	Per Plans and BMP Manual						
10	Dry Extended Detention Basin	01/01/2015		✓	Yes	40.294329	-75.002376	
	Entity Responsible for O&M:	O&M Requirements:		Permit Number:	Description:			
	Residential Property Owner - 33 Pine Lane	Per Plans and BMP Manual						
11	Bioretention - Raingarden (C/D soils w/ underdrain)	01/01/2015		✓	Yes	40.290962	-75.001424	

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Latitude	Longitude	Drain Area
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Property Owner - Cemetary - 1004 Durham Road		Per Plans and BMP Manual						
12	Bioretention - Raingarden (C/D soils w/ underdrain)	01/01/2015		Yes	40.291551	-75.00254		
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Property Owner - Cemetary - 1004 Durham Road		Per Plans and BMP Manual						
13	Bioretention - Raingarden (C/D soils w/ underdrain)	01/01/2015		Yes	40.291723	-75.000826		
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Property Owner - Cemetary - 1004 Durham Road		Per Plans and BMP Manual						
14	Wet Ponds and Wetlands	01/01/2015		Yes	40.262635	-74.998667		
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Property Owner - Cemetary - 1004 Durham Road		Per Plans and BMP Manual						
15	Wet Ponds and Wetlands	01/01/2015		Yes	40.293998	-74.998667		
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Property Owner - Cemetary - 1004 Durham Road		Per Plans and BMP Manual						
16	Wet Ponds and Wetlands	01/01/2022		Yes	40.267104	-75.009593		
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 2								
17	Other	01/01/2022		Yes	40.267104	-75.009593		
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 2				Amended Soils				
18	Wet Ponds and Wetlands	01/01/2022		Yes	40.267439	-75.010279		

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Latitude	Longitude	Drain Area
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 1								
19	Other	01/01/2022		Yes		40.267439	-75.010279	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 1						Amended Soils		
20	Wet Ponds and Wetlands	01/01/2022		Yes		40.266108	-75.009074	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 3								
21	Other	01/01/2022		Yes		40.266108	-75.009074	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 3						Amended Soils		
22	Wet Ponds and Wetlands	01/01/2022		Yes		40.265743	-75.010219	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 4								
23	Other	01/01/2022		Yes		40.265743	-75.010219	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Dougherty Subdivision- Lot 4						Amended Soils		
24	Dry Detention Basin	01/01/2021		Yes		40.278334	-74.979193	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Wrightstown Township - Matthews Ridge								
25	Dry Detention Basin	01/01/2021		Yes		40.278523	-74.980379	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Wrightstown Township - Matthews Ridge								

BMP No.	BMP Name	Date Installed	Date of Latest Inspection	Satisfactory	Active	Latitude	Longitude	Drain Area
26	Wet Ponds and Wetlands	01/01/2021		✗	Yes	40.279847	-74.977766	
Entity Responsible for O&M:		O&M Requirements:		Permit Number:		Description:		
Wrightstown Township - Matthews Ridge								

MCM #6 – Pollution Prevention / Good Housekeeping Module



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

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4?

☒ Yes ☐ No

2. When was the inventory last reviewed?

06/01/2023



3. When was it last updated?

06/01/2020



BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4.

1. Have you developed a written O&M program for the operations identified in BMP #1?

☒ Yes ☐ No

2. Date of last review or update to written O&M program:

06/01/2023



BMP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from operations to the regulated small MS4. All relevant employees and contractors shall receive training.

1. Have you developed an employee training program?

☒ Yes ☐ No

2. Date of last review or update to training program:

06/01/2022



Date of latest training:

12/01/2022



3. Training topics covered:

August 9, 2022 - Clean Water Academy's MS4 – MCMs Part 1 Training Module – Introduction to MCM 1, MCM 2, MCM 3. Meagan McKeon, Township Engineer's staff, completed the training module.

October 12 & 13, 2022 - Villanova Stormwater Symposium was attended by Mary R. Stover, P.E., CKS Engineers, Inc., Township Engineer's staff. Included numerous discussions on stormwater related topics.

Characters Remaining: 8

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

See above

Characters Remaining: 991

5. Names of training attendees:

See Above


Characters Remaining: 991

MCM #6 Comments:

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
You may upload attachments here.			
<div><div> Drag and drop file(s) here to upload or Choose File</div><div>Allowed File Types: PDF, JPG, JPEG, DOC, DOCX, XLS and XLSX Max File Upload per File: 50MB</div></div>			
<div>Complete Module</div>			

Pollutant Control Measures (PCMs) Module



Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable.

Task	Attached	Date Completed	Anticipated Completion Date
Storm Sewershed Map(s)	<input type="checkbox"/>	<div>12/01/2018</div> <div></div>	<div>MM/DD/YYYY</div> <div></div>
Source Inventory	<input type="checkbox"/>	<div>08/01/2020</div> <div></div>	<div>MM/DD/YYYY</div> <div></div>
Investigation of Suspected Sources	<input type="checkbox"/>	<div>08/01/2020</div> <div></div>	<div>MM/DD/YYYY</div> <div></div>
Ordinance/SOP for Controlling Animal Wastes	<input checked="" type="checkbox"/>	<div>12/19/2022</div> <div></div>	<div>MM/DD/YYYY</div> <div></div>

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 is included in Appendix K.

Characters Remaining: 3745

PCM Attachments:

File Name	Document Type	Short Description	Action
App I - 2023 O&M.pdf (/MS4/Report/GetDocument?documentId=6031687)	Animal Waste Ordinar	Animal Waste Ordinance Characters Remaining: 178	
App J - 2023 Training Program.pdf (/MS4/Report/GetDocument?documentId=6031688)	Stormwater Training F	Training Program Characters Remaining: 184	



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 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 Approval	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
Chesapeake Bay PRP (Appendix D)	Select				
Impaired Waters PRP (Appendix E)			04/04/2019	04/18/2019	Neshaminy Creek & Jericho Creek
TMDL Plan (Appendix F)	Select				
Combined Chesapeake Bay / Impaired Waters PRP (include Cheseapeake Bay in your entry)	Select				
Combined PRP / TMDL Plan	Select				

Joint Plan

☐

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

Joint Plan Participants:

Characters Remaining: 1000

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit.

Type of Plan	Select	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
Chesapeake Bay PRP (Appendix D)	<input type="checkbox"/>			
Impaired Waters PRP (Appendix E)	<input checked="" type="checkbox"/>	14,752		
TMDL Plan (Appendix F)	<input type="checkbox"/>			
Combined Chesapeake Bay / Impaired Waters PRP	<input type="checkbox"/>			
Combined PRP / TMDL Plan	<input type="checkbox"/>			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due:

04/30/2024

**4. Have any modifications to the plan(s) occurred since DEP approval?**☐ Yes ☒ No• If Yes to #4, was the updated plan(s) submitted to DEP?☐ Yes ☐ No• If Yes to #4, did you comply with the public participation requirements of the applicable appendix?☐ Yes ☐ No• If Yes to #4, describe the plan modifications. (You may type below or attach your explanation)☐ I will attach my explanation

Characters Remaining: 4000

5. Summary of progress achieved during reporting period.

The design is being finalized for the stream restoration project at Anchor Run Farm in the Neshaminy Creek Watershed. The application for a waiver has been submitted to PADEP for approval. Upon approval, the project will be bid for construction.

Characters Remaining: 3753

6. Anticipated activities for next reporting period.

During the next reporting period, the Township will continue to look for an alternate BMP for the Jericho Creek Watershed since the two locations for stream restoration provided in the PRP do not appear to be feasible.

Characters Remaining: 3782

PRP/TMDL Comments:

Characters Remaining: 4000

PRP/TMDL Plan Attachments:

File Name	Document Type	Short Description	Action
App K - Ord. No. 325 - Animal Waste.pdf (/MS4/Report/GetDocument?documentId=6031689)	Animal Waste Ordinar	Animal Waste Ordinance	

Characters Remaining: 178



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

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.

If you are a member of a regional PRP, report only those BMPs implemented within your municipal boundary. If you are reporting a joint 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 No.	BMP Name	Date Installed	Annual Sediment Load Reduction (lbs/year)	Satisfactory	Active	Latitude	Longitude	Drain Area
No data available in table								

BMP Inventory For PRP/TMDL Plan Implementation Table

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

BMP No.	BMP Name	Date Installed	Annual Sediment Load Reduction (lbs/year)	Satisfactory	Active	Lattitude	Longitude	Drain Area
No data available in table								

LIST OF APPENDICES

Appendix A:	Public Education & Outreach Plan
Appendix B:	Township Website
Appendix C:	Neshaminy Creek Association Newsletter & Township Facebook Posts
Appendix D:	Cable TV Slides
Appendix E:	Public Involvement & Participation Plan
Appendix F:	Board of Supervisors Minutes
Appendix G:	Stormwater Management Ordinance Amendment
Appendix H:	Illicit Discharge Detection & Elimination Program
Appendix I:	MCM #6 – Inventory and Operation & Maintenance
Appendix J:	Training Program
Appendix K:	Animal Waste Ordinance

Appendix A:

Public Education & Outreach Plan

MCM #1 – Public Education & Outreach on Stormwater Impacts

Date of Last Revision: June 2023**Public Education & Outreach Plan**

Permittee Name:	Wrightstown Township, Bucks County, PA		
Mailing Address:	2203 Second Street Pike	City, State, Zip:	Wrightstown, PA 18940
MCM #1 Contact Person:	Stacey Mulholland	Title:	Township Manager
Phone Number:	(215) 598-3313	Email:	manager@wrightstownpa.org
<p>Plan Goal: To provide stormwater education to residents and businesses within the Township so that they will have an increased awareness about stormwater and the impacts of stormwater discharges on local and downstream waterways and be encouraged to help the Township reduce pollutants to our streams, lakes and rivers.</p>			
<p>Target Audiences: Residents, Schools, Developers, Businesses, Municipal Employees (see attached Strategies and Target Audiences)</p>			
<p align="center">Stormwater Educational Materials * at least 1 of the outreach methods in the box below is required</p>			
Material Type: <input type="checkbox"/> Newsletter <input type="checkbox"/> Pamphlet/Flyer <input checked="" type="checkbox"/> Website: (provide url) <u>wrightstownpa.org</u> 	Material Name: Municipal Website		
	Distribution Method: Online		
	Distribution Audience: All traffic to municipal website		
	MCM(s) Addressed: 1, 2, 3, 4, & 5		
	Description of Contents: The website includes a description of the MS4 Stormwater Management Program and the 6 minimum control measures. There are links to the following pamphlets: "When it Rains, it Drains", "After the Storm", "Make your Home the Solution to Stormwater Pollution", "What the Construction Industry should know about Stormwater", "A Guide to Yard Waste and Lawn Care", "No Dumping to Stormwater Inlets" and "Swimming Pool Water Discharge Guidelines." The webpage also includes a section from the Township Ordinances with information about the operation and maintenance requirements for stormwater facilities. Copies of the Pollution Reductions Plans for Neshaminy Creek and Jericho Creek are also available on this webpage. Links to the PADEP and EPA stormwater programs are available on the "Links" page of the Township website.		
	Date Material Last Reviewed: 6/2023		
Date Material Last Updated: 6/2020			

MCM #1 – Public Education & Outreach on Stormwater Impacts

Date of Last Revision: June 2023

Additional Stormwater Educational Materials	
*at least 2 additional educational material distribution methods are required	
Material Type: <input type="checkbox"/> Newsletter <input checked="" type="checkbox"/> Pamphlet/Flyer <input type="checkbox"/> Display/Poster <input type="checkbox"/> Presentation/Conference <input type="checkbox"/> Newspaper <input type="checkbox"/> Radio/ TV <input type="checkbox"/> Other Advertisement: _____	Material Name: Pamphlets/Flyers related to MS4 and Water Quality Distribution Method: Available at the Township Building Distribution Audience: Residents MCM(s) Addressed: 1, 2 & 5 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: 6/2023 Date Material Last Updated: 6/2020
Material Type: <input type="checkbox"/> Newsletter <input checked="" type="checkbox"/> Pamphlet/Flyer <input type="checkbox"/> Display/Poster <input type="checkbox"/> Presentation/Conference <input type="checkbox"/> Newspaper <input type="checkbox"/> Radio/ TV <input type="checkbox"/> Other Advertisement: _____	Material Name: Construction related MS4 flyer Distribution Method: Distributed with Building, Grading and Zoning permit applications Distribution Audience: Contractors/Residents/Businesses/Developers MCM(s) Addressed: 4 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: 6/2023 Date Material Last Updated: 6/2020
Material Type: <input type="checkbox"/> Newsletter <input type="checkbox"/> Pamphlet/Flyer <input type="checkbox"/> Display/Poster <input checked="" type="checkbox"/> Presentation/Conference <input type="checkbox"/> Newspaper <input type="checkbox"/> Radio/ TV <input type="checkbox"/> Other Advertisement: _____	Material Name: Public Township Meetings Distribution Method: Public Meetings at Township Building/Minutes on Website Distribution Audience: Residents/Businesses MCM(s) Addressed: 1, 2, 3, 4, 5 & 6 and PRP Plans and/or PCMs 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: 6/2023 Date Material Last Updated: 6/2020

* Attach Additional Sheets as Necessary

MCM #1 – Public Education & Outreach on Stormwater Impacts

Date of Last Revision: June 2023

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

PHASE II STORMWATER MANAGEMENT PROGRAM

June 2023

WRIGHTSTOWN TOWNSHIP

PUBLIC EDUCATION STRATEGIES AND TARGET AUDIENCES

Who are we Trying to Educate?	How Large is the Audience?	How do they Receive Information?	What Organizations Focus on Them?	Strategies for Distributing Educational Materials
Municipal Employees	<ul style="list-style-type: none"> Public Works Employees Planning & Zoning Employees Planning Commission Members Administrative Staff Township Engineer's Staff 	<ul style="list-style-type: none"> Paychecks Township Newsletter Website: wrightstownpa.org Handouts Seminars 	<ul style="list-style-type: none"> American Public Works Association PSATS 	<ul style="list-style-type: none"> Provide Information on Township Website Allow employees to attend appropriate seminars or workshops Discuss issues at staff meetings and public meetings
Residents	<ul style="list-style-type: none"> Population: 3,286 (2020 Census) Households: 1,190 (2020 Census) 	<ul style="list-style-type: none"> Local Newspaper: Courier Times and Intelligencer Township Website Village Library of Wrighttown 	<ul style="list-style-type: none"> Middleown Grange Fair Wrightstown Farmers Market Anchor Run Farm Boy/Girl Scouts Local Sports Organizations Churches 	<ul style="list-style-type: none"> Provide Information on Township Website Provide Information on Township Cable Channel Discuss issues at Public Meetings Provide Information at the Township Building
Schools	<ul style="list-style-type: none"> Wrightstown Elementary School 	<ul style="list-style-type: none"> Assemblies Clubs 	<ul style="list-style-type: none"> Boy/Girl Scouts Student Clubs Local Sports Organizations 	<ul style="list-style-type: none"> Township Cable Channel Provide information and links on Township Website
Businesses	<ul style="list-style-type: none"> Various businesses in Wrightstown Township 	<ul style="list-style-type: none"> Bucks County Courier Times The Intelligencer Lower Bucks County Chamber of Commerce 	<ul style="list-style-type: none"> Lower Bucks County Chamber of Commerce 	<ul style="list-style-type: none"> Wrightstown Township website Provide information at public meetings Provide Information, as needed, to Lower Bucks County Chamber of Commerce
Developers	<ul style="list-style-type: none"> 10+ Developers do work in the Township 	<ul style="list-style-type: none"> Township Offices Township Website Local Newspapers 	<ul style="list-style-type: none"> Home Builders Associations Lower Bucks County Chamber of Commerce 	<ul style="list-style-type: none"> Provide Information at the Township Offices Provide Information on the Township Website

Appendix B:

Township Website



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 United 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](tel:2155983313).

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](#)

Wrightstown Township

2203 Second Street Pike • Wrightstown PA 18940
215-598-3313 • Fax 215-598-0529
Office Hours: Mon - Fri 8:00am to 4:30pm

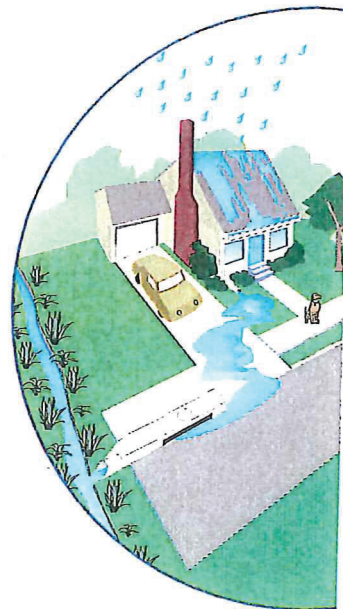
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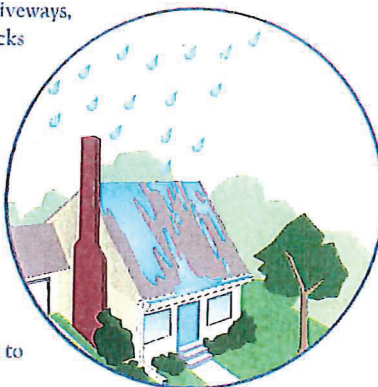


Make your home
The
**SOLUTION
TO STORMWATER
POLLUTION!**

*A homeowner's guide to healthy
habits for clean water*



As stormwater flows over driveways, lawns, and sidewalks, it picks up debris, chemicals, dirt, and other pollutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.

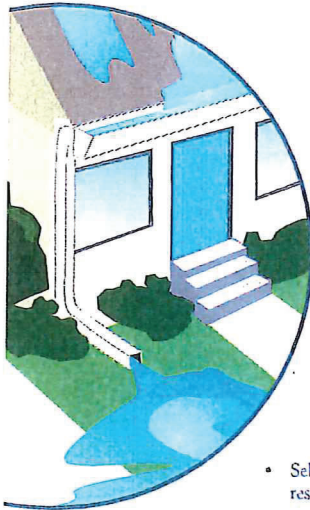


By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands, and coastal waters. Remember, to share the habits with your neighbors!

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to minimize the amount of dirty, soapy water flowing into the storm drain and eventually into your local waterbody.



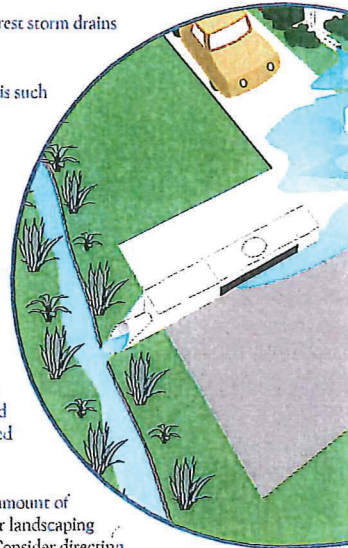
- Check your car, boat, motorcycle, and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up spilled fluids with an absorbent material like kitty litter or sand, and don't rinse the spills into a nearby storm drain. Remember to properly dispose of the absorbent material.
- Recycle used oil and other automotive fluids at participating service stations. Don't dump these chemicals down the storm drain or dispose of them in your trash.

Lawn and Garden

- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals will be washed into your local stream.
- Select native plants and grasses that are drought- and pest-resistant. Native plants require less water, fertilizer, and pesticides.
- Sweep up yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the cool times of the day, and don't let water run off into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local waterbodies. Vegetate bare spots in your yard to prevent soil erosion.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and protect them from debris and other materials.
- Sweep up and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cleaners in the smallest amounts possible, and follow the directions on the label. Clean up spills immediately, and dispose of the waste safely. Store substances properly to avoid leaks and spills.
- Purchase and use nontoxic, biodegradable, recycled, and recyclable products whenever possible.
- Clean paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil-based paints. Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.
- Reduce the amount of paved area and increase the amount of vegetated area in your yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.



Pet Care

- When walking your pet, remember to **pick up** the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

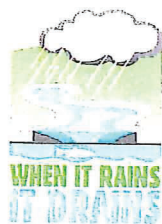
Swimming Pool and Spa

- Drain your swimming pool only when a test kit does not detect chlorine levels.
- Whenever possible, drain your pool or spa into the sanitary sewer system.
- Properly store pool and spa chemicals to prevent leaks and spills, preferably in a covered area to avoid exposure to stormwater.

Septic System Use and Maintenance

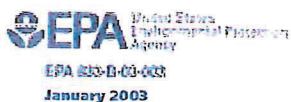
- Have your septic system inspected by a professional at least every 3 years, and have the septic tank pumped as necessary (usually every 3 to 5 years).
- Care for the septic system drainfield by not driving or parking vehicles on it. Plant only grass over and near the drainfield to avoid damage from roots.
- Flush responsibly. Flushing household chemicals like paint, pesticides, oil, and antifreeze can destroy the biological treatment taking place in the system. Other items, such as diapers, paper towels, and cat litter, can clog the septic system and potentially damage components.

Storm drains connect to waterbodies!



Remember: Only rain down the drain!

For more information, visit
www.epa.gov/npdes/stormwater
or
www.epa.gov/nps



Don't Let Storm Water Run Off With Your Time and Money!

What the Construction Industry Should Know About Storm Water In Our Community

The construction industry plays an important role in improving our community's quality of life by not only providing new development, but also protecting our streams and rivers through smart business practices that prevent pollution from leaving construction sites.

Storm water runoff leaving construction sites can carry pollutants such as dirt, construction debris, oil, and paint off-site and into storm drains. In our community, storm drains carry storm water runoff directly to local creeks, streams, and rivers with no treatment. Developers, contractors, and homebuilders can help to prevent storm water pollution by taking the following steps:

1. Comply with storm water permit requirements.
2. Practice erosion control and pollution prevention practices to keep construction sites "clean."
3. Conduct advanced planning and training to ensure proper implementation on-site.

The remainder of this fact sheet addresses these three steps.

Storm Water Permit Requirements for Construction Activity

Planning and permitting requirements exist for construction activities. These requirements are intended to minimize storm water pollutants leaving construction sites.

- Pennsylvania's Erosion and Sediment Pollution Control Program (25 Pa. Code, Chapter 102) requires Erosion and Sediment Control Plans for all earth disturbing activities.
- The National Pollutant Discharge Elimination System (NPDES) Permit Program (25 Pa. Code, Chapter 92) requires that construction activities disturbing greater than one acre submit a Notice of Intent for coverage under a general NPDES permit.



Knowing your requirements before starting a project and following them during construction can save you time and money, and demonstrate that you are a partner in improving our community's quality of life. For more information about these programs, contact your local county conservation district office or the Department of Environmental Protection.

Erosion Control Practices:

- Perimeter controls (e.g. silt fence)
- Sediment traps
- Immediate revegetation
- Phased, minimized grading
- Construction entrance
- Protection of streams and drainage ways
- Inlet protection



An Ounce of Prevention

Rain that falls onto construction sites is likely to carry away soil particles and other toxic chemicals present on construction sites (oil, grease, hazardous wastes, fuel). Storm water, if not properly managed, carries these pollutants to streams, rivers, and lakes. Erosion and sediment control practices can serve as a first line of defense,

Pollution Prevention Practices:

- Designated fueling and vehicle maintenance area away from streams.
- Remove trash and litter.
- Clean up leaks immediately.
- Never wash down dirty pavement.
- Place dumpsters under cover.
- Dispose of all wastes properly.

minimizing clean up and maintenance costs, and the impacts to water resources caused by soil erosion during active construction. Erosion controls can reduce the volume of soil going into a sediment control device, such as a sediment trap, therefore, “clean out” frequencies are lower and maintenance costs are less. When possible, divert water around the construction site using berms or drainage ditches.

In addition, use pollution prevention and “good housekeeping measures” to reduce the pollution leaving construction sites as well. This can be as simple as minimizing the pollution source’s contact with rainwater by covering it, maintaining a “clean site” by reducing trash and waste, and keeping vehicles well maintained.

The Best Laid Plans

Plans such as erosion and sediment control plans and storm water pollution prevention plans are important tools for outlining the erosion control and pollution prevention practices that you will use to manage storm water runoff prior to breaking ground. Developing good plans allows for proper budgeting and planning for the life of the project. Proper installation and maintenance of erosion and storm water controls is essential to a plan that works. Training for on-site staff helps to ensure the proper installation and maintenance of erosion controls and pollution prevention practices. Inspect controls and management techniques regularly to ensure they are working, especially after storm events. If polluted storm water is leaving the site, you may need to repair or add additional storm water controls.



The Bigger Storm Water Picture

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

For more information:

Pennsylvania Association of Conservation District's:
<http://www.pacd.org/default.html>

Pennsylvania Handbook of Best Management Practices for Developing Areas:
http://www.pacd.org/products/bmp/bmp_handbook.html

Storm Water Manager's Resource Center:
<http://www.stormwatercenter.net>

Pennsylvania Department of Environmental Protection:
<http://www.dep.state.pa.us>



SWIMMING POOL WATER DISCHARGE GUIDELINES

Water from swimming pools and hot tubs often contains high levels of chlorine. Discharging chlorinated pool or spa water into streams, (irrigation canals or ponds, etc.) is harmful to fish and other aquatic life. The discharge of any sewage or industrial waste, including swimming pool water, to any waters of the commonwealth without a permit is a violation of the Clean Streams Law, the Act of June 22, 1937, P.L. 1987, as amended.

The Department of Environmental Protection (DEP) does not require a permit for discharges from single residence pools, provided the guidelines outlined below are followed. Local municipalities should be contacted concerning potential local ordinances.

These guidelines cannot be construed to waive or impair any rights of DEP to prosecute a property (pool) owner and/or pool company for any stream damage that occurs as a result of a discharge. Penalties would be assessed under the provisions of the Clean Streams Law.

Pool Guidelines:

A. Disposal of Water to Sanitary Sewer

1. If the municipal authority grants permission, pool backwash water, pool cleaning wastewater and standing water may be discharged to the sanitary sewer system. Neutralize water before discharge by following these steps:
 - a) Prior to disposal of pool water to a sanitary sewer, shut off the chlorination system if there is one, or stop adding chlorine.
 - b) Hold the water in the pool or hot tub for at least two weeks to allow the chlorine to dissipate.
 - c) Measure the chlorine level in the pool or hot tub prior to discharging the water. The water should not show any detectable levels of chlorine. A longer holding period may be necessary if chlorine levels continue to remain at detectable levels at the end of two weeks. Chlorine measurements can be made with a chlorine test kit (colorimetric).
2. Plan discharge for low-use times of sewer flow such as afternoon or late night hours.
3. Use small volume pump and control discharge so it does not spill out. (< 800 gallons per minute)
4. Discharge with hose into access "cap" of the private property sewer cleanout. DO NOT use public manholes or cleanouts.
5. Care should be taken to make sure the discharge goes into a sanitary sewer and not a storm sewer, which would discharge to a stream. If sanitary sewers are not in the immediate area, the wastewater should be hauled off-site for disposal at an approved treatment facility.
6. Water from backwashing pool filters should not be discharged to a stream, ditch or storm sewer. Backwash from pool filters must be discharged to the sanitary sewer, on-site septic tank and drainfield system (if properly designed and adequately sized), or a seepage pit.

B. Discharge of Water

1. If the discharge to sanitary sewer is not feasible, then the following guidelines must be followed before discharging the water:
 - a) Prior to disposing or using the water for irrigation, shut off the chlorination system if there is one, or stop adding chlorine.
 - b) Hold the water in the pool or hot tub for two weeks to reduce the chlorine level.
 - c) Discharge or use the water for irrigation in an area where the water will not flow into a stream or storm sewer.
 - d) Discharge or use the water for irrigating the property and ensure that it does not flow off the property.

- e) Discharge or use the water for irrigation in a manner that will prevent nuisance conditions (such as creation of odors, and fly and mosquito breeding conditions). Nuisance conditions occur when water is held in the pool for a prolonged period.
- 2. The discharge should be at a rate which prevents erosion and optimizes filtration. In no event should pool water be directly discharged to waters of the commonwealth.
- C. Standing water or accumulated rain and/or pool water from the previous season should be pumped from the top so as not to disturb settled solids. Solids on the pool bottom should not be discharged. After the water has been pumped, solids should be cleaned out manually. The discharge should not raise stream temperatures by more than 2 degrees Fahrenheit in a one-hour period or a total of 5 degrees Fahrenheit. The pH should be between six and nine standard units and total chlorine residual should be 0.0 mg/l.
- D. Cleaning wastewaters that contain muriatic acid or chlorine that is used in cleaning pool surfaces should be treated prior to discharge. Muriatic acid wastewater should be neutralized to a pH between six and nine standard units. Chlorine rinses should stand for a period of 10 days to allow chlorine degradation prior to discharge. Total chlorine residual of the wastewater discharge should be less than 0.5 mg/l. Temperature should be monitored as described above (standing water). Chlorine rinse water pH should be between six and nine standard units.

Questions concerning pool guidelines should be directed to DEP's regional offices:

Southeast Regional Office

2 East Main St.

Norristown, PA 19401-4915

Main Telephone: 484-250-5900

24-Hour Emergency: 484-250-5900

Counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia

Northeast Regional Office

2 Public Square

Wilkes-Barre, PA 18701-1915

Main Telephone: 570-826-2511

24-Hour Emergency: 570-826-2511

Counties: Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming

South-central Regional Office

909 Elmerton Ave.

Harrisburg, PA 17110-8200

Main Telephone: 717-705-4700

24-Hour Emergency: 866-825-0208

Counties: Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York

North-central Regional Office

208 W. Third St., Suite 101

Williamsport, PA 17701-6448

Main Telephone: 570-327-3636

24-Hour Emergency: 570-327-3636

Counties: Bradford, Cameron, Clearfield, Centre, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union

Southwest Regional Office

400 Waterfront Drive

Pittsburgh, PA 15222-4745

Main Telephone: 412-442-4000

24-Hour Emergency: 412-442-4000

Counties: Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland

Northwest Regional Office

230 Chestnut St.

Meadville, PA 16335-3481

Main Telephone: 814-332-6945

24-Hour Emergency: 800-373-3398

Counties: Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren

For more information, visit www.dep.state.pa.us, keyword: Wastewater.

KEEP YOUR WATERWAYS CLEAN – NO DUMPING TO STORMWATER INLETS



Your community is designated by the Pennsylvania Department of Environmental Protection as an MS4 – Municipal Separate Storm Sewer System which must maintain an NPDES Permit (National Pollutant Discharge Elimination System) for the discharge of stormwater to local waterways. The primary goal of this program is to improve stormwater runoff quality, which impacts streams and rivers in the community.

One thing that the public can do to help prevent Stormwater Pollution is to **never** dump pollutants into a storm sewer inlet, drainage ditch or basin. This includes paint, chemicals, detergents or petroleum products, as well as grass clippings and leaves. These facilities drain directly to the local streams and dumping anything other than stormwater causes pollution that is harmful to the aquatic life and pollutes the waters which are used for recreation and water supplies.

Waste materials which are no longer needed can be safely disposed of in several ways. Paints containers can be opened to allow the paint to dry out or can be solidified using cat litter. Many communities have hazardous waste collection programs where materials can be dropped off for recycling or proper disposal. Major automotive service centers will recycle used motor oil. Mulching of grass clippings, or composting clippings and leaves, allows the materials to be utilized as a natural fertilizer.

This information is provided as part of the municipal MS4 program. Additional information concerning improving stormwater runoff can be found on the PA Department of Environmental Protection or your local municipal web site.

A Guide to Yard Waste and Lawn Care

Lawn maintenance can make your house and yard more beautiful, but what we do to maintain our lawns can affect the environment around us.

When it rains, water flows off our yards, streets, and parking lots directly to our streams without ever being cleaned. As it flows to storm drains, storm water can pick up pollutants in its path including things like oil, dirt, litter, pet waste, and yard chemicals.

Fertilizers

Fertilizers are essentially nutrients used by plants to live. Most fertilizers contain nitrogen, phosphorus, and potassium but can contain other elements as well.

Just like humans, plants can only use so much food. Fertilizer not used by the plant is available to mix with rain and becomes storm water pollution.

Nutrients from fertilizers, such as phosphorus and nitrogen, promote algae blooms and excessive plant growth. Algae depletes oxygen making it unavailable to fish and other aquatic life. Algae blooms and excessive plants limit much needed sunlight.

- *Improve the health of your soil by adding compost and using organic mulches.*
- *Use fertilizers sparingly.*
- *Leave grass clippings on your lawn as a natural fertilizer.*
- *Store fertilizers in areas that are covered to avoid mixing them with rain.*

Soil Testing

A soil test report gives you precise nutrient requirements for the soil type and plant type in your situation. Soil testing takes the guess-work out of lime and fertilizer purchases.

- *Soil test your yard before applying lime or fertilizer.*
- *Test kits can be obtained at the Penn State/County Extension Service*

Pesticides

When it comes to pest control, the best defense is a strong offense – building healthy soil, selecting appropriate plants, watering effectively, and using mulch. An ounce of prevention is better than a pound of pesticide.

- *Apply pesticides exactly where you want them.*
- *Consider physical control such as barriers, traps or handpicking instead of pesticides.*
- *Avoid spraying pesticides onto driveways or sidewalks.*
- *Store pesticides in areas that are covered to avoid mixing them with rain.*
- *Use pesticides sparingly.*
- *Avoid chemical applications when rain is forecast.*
- *Protect beneficial insects by avoiding broad-spectrum pesticides.*
- *Read pesticides labels carefully.*
- *Be sure to identify the pest plant or insect so as to purchase the correct product.*

Yard Waste

Not only does yard waste cause blockages to the drainage system which leads to localized flooding, it can also quickly super-fertilize streams which leads to algae blooms and fish kills.

- *Sweep up yard debris from streets and sidewalks instead of washing it away.*
- *Never dump grass clippings and other yard waste into storm drains or on creek banks.*
- *Curb bagged yard compost it.*

Erosion Control

Sediment is a major contributor to storm water pollution. Sediment adds suspended solids to water, clogging the gills of fish, blocking sunlight, and affecting photosynthesis of aquatic plants and phytoplankton. The best way to control erosion is with vegetation. The roots of plants hold soil particles in place. The larger the root system the less likely soil will erode.

- *Replant bare areas to avoid soil erosion*
- *Direct down spots away from paved surfaces.*
- *Sweep up soil from paved surfaces instead of washing it away.*
- *Keep areas adjacent to streams, lakes, and ponds heavily vegetated with large root systems.*

Fiction: Grass clippings aren't a problems because they are natural and can biodegrade.

Fact: As grass clippings and other organic material decompose, the chemical reaction uses available oxygen to produce carbon dioxide. Grass clippings and other organic materials, when introduced to creeks and lakes, remove oxygen from the water which suffocates fish and other aquatic animals. Grass clippings can be left on the lawn to biodegrade.

Fiction: Organic fertilizers are not harmful to the environment.

Fact: All fertilizers have the potential to be harmful when improperly applied. Fertilizers are essentially nutrients that plants need to survive. Whether a fertilizer is organic or synthetic (chemical), if over-applied the excess nutrients can be transported in storm water runoff to nearby creeks and lakes. Organic fertilizers are much more sustainable sources of nutrients, but a soil test will help prescribe the proper amount of fertilizer that should be applied.

Fiction: My yard care habits can't possibly have that much impact on water quality.

Fact: Research shows that an average 1,000 square foot lawn can generate up to 500 pounds of grass clippings each year. Grass clippings are full of nutrients that have been applied as a fertilizer. In a metropolitan area the cumulative impact of our community on the water quality of our creeks and lakes is quite large.

Things To Discuss With Your Yard Care Service

If you use a professional yard care service, it is still up to you to make sure that your landscaper does not contribute to the storm water pollution problem. Here are some things to consider when using a yard care professional.

- *Ask them to grasscycle (leave clippings on the lawn).*
- *Make sure they sweep up stray clippings and dispose of them properly instead of leaving them in the street.*
- *Know which pesticides are being used, that they are only used when necessary and that they are not applied on a set schedule.*
- *Check to make sure staff are properly trained and licensed to apply pesticides.*
- *Know how often fertilizers are used.*
- *For more information concerning protection of our streams please visit the municipalities website and look under "stormwater management."*



After the Storm

For more information contact:

or visit
www.epa.gov/npdes/stormwater
www.epa.gov/nps



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A Citizen's Guide to Understanding Stormwater



What is stormwater runoff?



Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?



Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- ♦ Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- ♦ Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- ♦ Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- ♦ Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- ♦ Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.

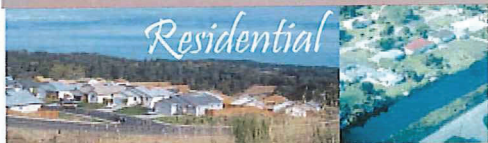


- ♦ Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



Stormwater Pollution Solutions

Residential



Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.



- ◆ Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- ◆ Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- ◆ Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- ◆ Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.



- ◆ Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- ◆ Don't dispose of household hazardous waste in sinks or toilets.

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.



- ◆ Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- ◆ Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.



- ◆ When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

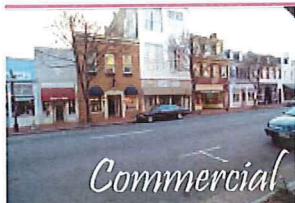
Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.



Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.



Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.



Commercial

Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- ◆ Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- ◆ Cover grease storage and dumpsters and keep them clean to avoid leaks.
- ◆ Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- ◆ Divert stormwater away from disturbed or exposed areas of the construction site.
- ◆ Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- ◆ Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Construction

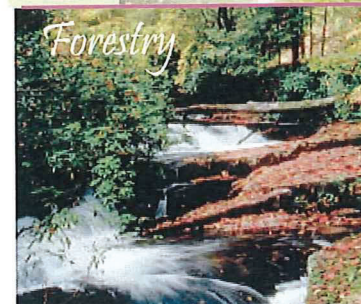


Agriculture

Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.



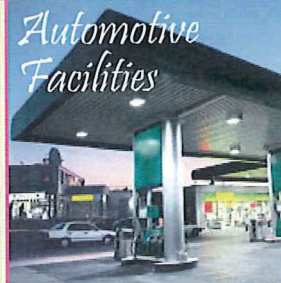
- ◆ Keep livestock away from streambanks and provide them a water source away from waterbodies.
- ◆ Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- ◆ Vegetate riparian areas along waterways.
- ◆ Rotate animal grazing to prevent soil erosion in fields.
- ◆ Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.



Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- ◆ Conduct preharvest planning to prevent erosion and lower costs.
- ◆ Use logging methods and equipment that minimize soil disturbance.
- ◆ Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- ◆ Construct stream crossings so that they minimize erosion and physical changes to streams.
- ◆ Expedite revegetation of cleared areas.



Automotive Facilities

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- ◆ Clean up spills immediately and properly dispose of cleanup materials.
- ◆ Provide cover over fueling stations and design or retrofit facilities for spill containment.
- ◆ Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- ◆ Install and maintain oil/water separators.

What is Storm water?

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

Why is Storm water "Good Rain Gone Wrong?"

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



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

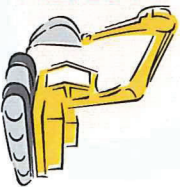


Vehicles drip fluids (oil, greases, gasoline, antifreeze, brake fluids, etc.) onto paved areas where storm water runoff carries them through our storm drains and into our water.



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

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



Where To Go To Confine the Information Flow

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



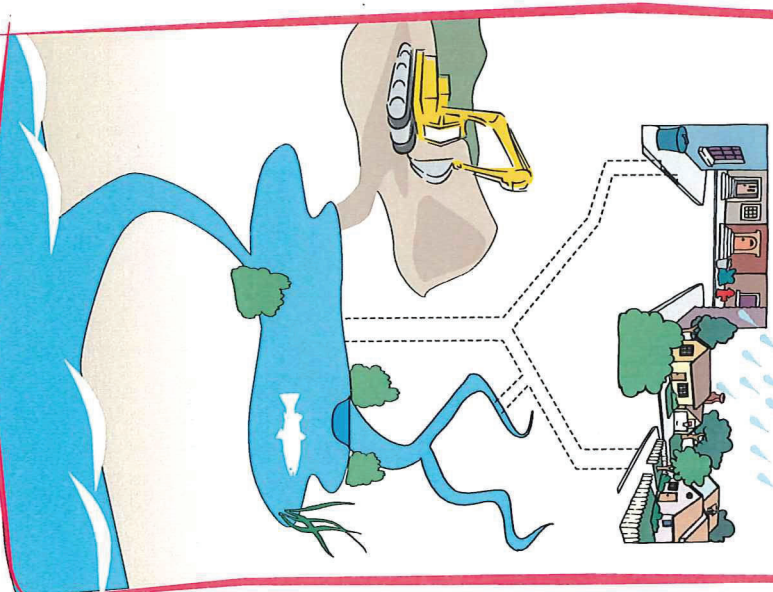
Pennsylvania Department of Environmental Protection
www.dep.state.pa.us

Answers to Test Your Storm Sewer System Savvy:

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

When It Rains, It Drains

Understanding Storm water and How It can Affect Your Money, Safety, Health, and the Environment



What Happens when It Rains?

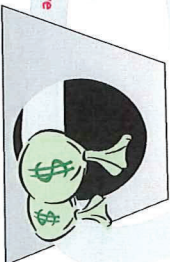


Rain is an important part of nature's water cycle, but there are times it can do more damage than good. Problems related to storm water runoff can include:



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

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



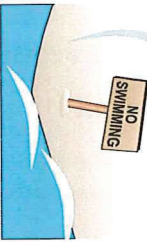
Decreases in sport-fish populations because storm water carries sediment and pollutants that degrade important fish habitat.



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



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



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

Test Your Storm Sewer System Savvy!

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



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

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

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

Appendix C:
**Neshaminy Creek Association Newsletter &
Township Facebook Posts**

From: NWA <neshaminywatershed@gmail.com>
Sent: Monday, April 24, 2023 9:26 PM
To: Mary Stover
Subject: Spring 2023 Newsletter



Newsletter - Spring 2023

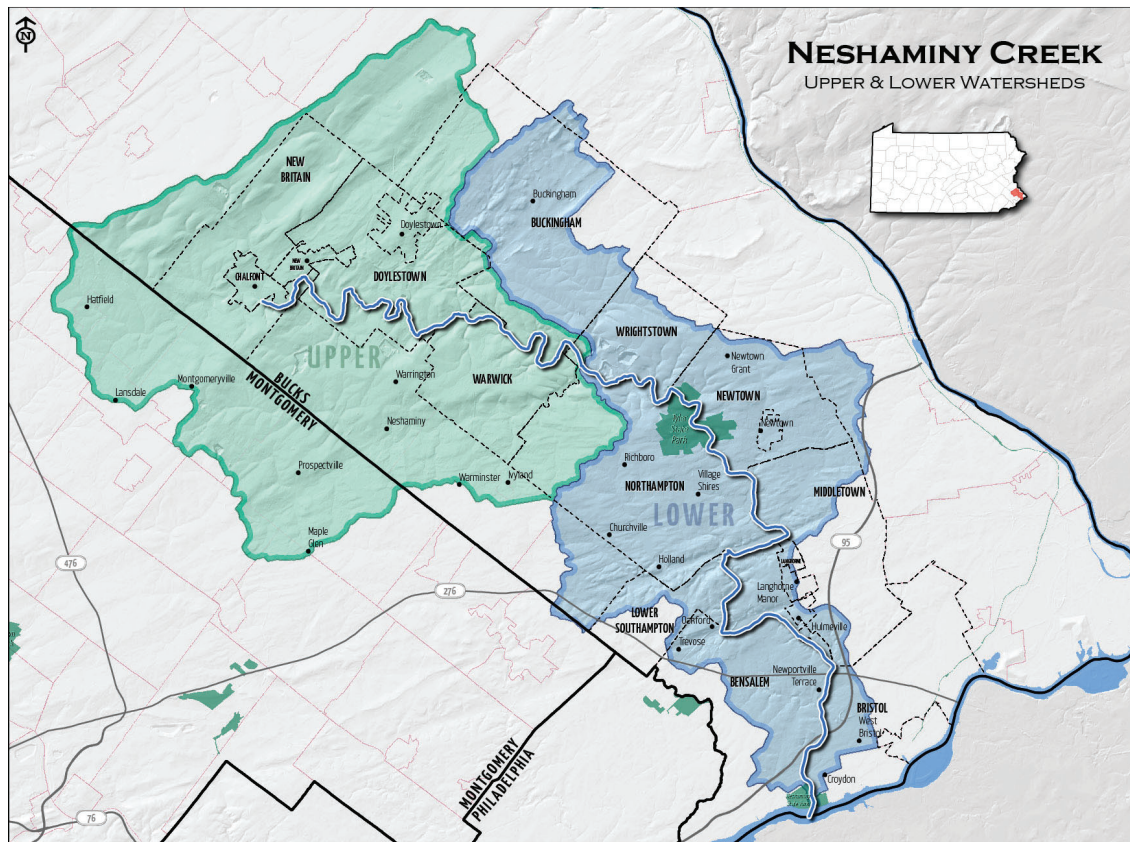
Dear Community Member,

We hope this newsletter finds you well and you are enjoying the start of spring. As we enter the season of renewed growth, we want to take this opportunity to introduce and explain what a watershed is, what issues the Neshaminy watershed is currently facing and what we are doing to tackle these issues.

What is a watershed?

A watershed is an area of land that drains all of its water into a particular body of water, such as a river, lake, or ocean. The Neshaminy watershed is a region of land that encompasses parts of Bucks and Montgomery counties, and ultimately drains into the Delaware River. The Neshaminy Creek is the primary waterway within this watershed and is an important source of

clean water for our community. Clean water is essential to all life, including humans, animals, and plants.



In the Neshaminy watershed, there are several key issues that affect water quality.

- *Increased storm water runoff*
- *Loss of riparian buffers*
- *Pollution of our waterways*

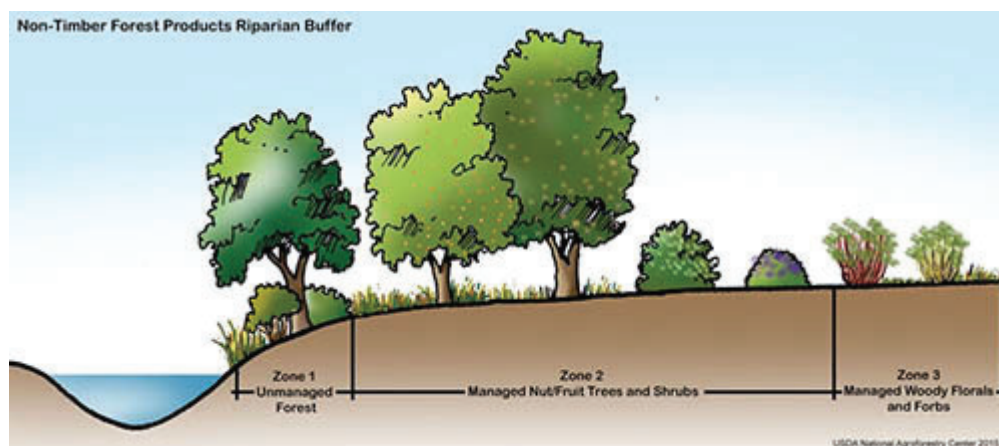
The first of these problems is when there is too much water after it rains, which is called stormwater runoff. When there are a lot of places like sidewalks, rooftops, and roads that can't let water go through them, the water has nowhere to go but to run

off into the Neshaminy creek. This can cause flooding and erosion, and it can also pick up things like oil, fertilizers, and pesticides, which can be harmful to the water and animals that live there. It's important to try to limit the amount of these surfaces in urban and suburban areas to keep the water clean and safe.



The second problem is the loss of riparian buffers. A riparian buffer is a special place along a river or stream that has lots of

trees, bushes, and other plants growing on the banks. These plants act as a natural filter to help keep the water clean by trapping dirt, pollution, and other bad things that might flow into the water. They also help stop the water from washing away the ground and causing erosion. The plants in the riparian buffer provide a home for animals like fish, birds, and insects. When we don't have enough of these riparian buffers, the water can become dirty and it can hurt the animals that live in and around the water. It can also cause the water to flood and damage nearby buildings. So, it's important to protect and take care of riparian buffers to keep the water clean and healthy for everyone.



The third problem is pollution in our waterways. Point source pollution means pollution that comes from one specific location that is easy to identify, like a pipe or outfall. This pollution can come from things like factories, sewage treatment plants, or oil spills. Non-point source pollution, on the other hand, comes from many different places and is harder to find. This type of pollution can come from things like farms, cities, and natural areas. It's caused by things like fertilizer and pesticide runoff,

sediment from construction sites, and oil and grease from roads and parking lots.

Unfortunately, the Neshaminy watershed has been affected by PFAS contamination, which is a group of man-made chemicals that can be harmful to people and animals. They are found in things like firefighting foam and can build up in our bodies over time. This is a serious problem that needs to be fixed to protect our health and the health of our environment.

What are we doing?

Protecting and preserving the Neshaminy watershed is important, and it needs our help! To do this, we need everyone to learn about the watershed and what we can do to help keep it clean and healthy. The Neshaminy Watershed Association has workshops, field trips, and publications to help us learn. We also need to work with local officials and community leaders to promote policies and practices that support clean water and healthy ecosystems. And we can take action by participating in stream cleanups, habitat restoration projects, and supporting conservation efforts. We all have a responsibility to help preserve this valuable resource for future generations. Join us in these efforts to keep the Neshaminy watershed clean and healthy!

Thank you for your continued support of the Neshaminy Watershed Association and our mission to ensure clean water

for all.

Sincerely,

The 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 [update your preferences](#) or [unsubscribe from this list](#).



Wrightstown Community News

September 3, 2022 · 🌐

Lake Luxembourg Clean-Up



We all have a role to play

Saturday, September 24, 2022

Core Creek Park, Boat Rental

9am-11am

Scan the QR Code to register



Bucks County Parks and Recreation

August 30, 2022 · 🌐

We are taking full advantage of the lake being lower than normal for the ongoing conservation pool project- join us for a few hours on the 24th to clean up the ... See more



Wrightstown Community News

June 15 • 🌐



SAT, JUN 24

Household Hazardous Waste Collection Event

Warrington, PA

134 people interested

Appendix D:

Cable TV Slides

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
Environmental
Protection

www.dep.pa.gov

Township Website
www.wrightstownpa.org

US Environmental
Protection Agency

www.epa.gov



STORMWATER TIPS

- NEVER DISPOSE OF **HAZARDOUS SUBSTANCES** IN ANY PART OF THE STORM SEWER SYSTEM, SUCH AS:
 - **USED MOTOR OIL**
 - **CLEANING SUPPLIES**
 - **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:
 - **RAIN BARRELS**
 - **RAIN GARDENS**
 - THESE METHODS CAPTURE STORMWATER AND KEEP IT ON-SITE, RATHER THAN LETTING IT DRAIN AWAY.

STORMWATER TIPS

- DISPOSE OF **PET WASTE** PROPERLY!
 - NO MATTER WHERE PETS MAKE A MESS, STORMWATER RUNOFF CAN CARRY PET WASTE FROM THE LAND, TO THE STORMWATER SYSTEM, AND INTO A STREAM
- STORE MATERIALS THAT COULD POLLUTE WATER **INDOORS**
- USE OUTDOOR STORAGE CONTAINERS THAT **DON'T LEAK OR RUST** TO AVOID EXPOSURE TO THE STORMWATER

Appendix E:

Public Involvement & Participation Plan

Public Involvement & Participation Plan

Permittee Name:	Wrightstown Township, Bucks County, PA		
Mailing Address: 2203 Second Street Pike	City, State, Zip: Wrightstown, PA 18940		
MCM #2 Contact Person: Stacey Mulholland	Title: Township Manager		
Phone Number: (215) 598-3313	Email: manager@wrightstownpa.org		
<p>Plan Goal: To encourage involvement in the municipal stormwater management program by providing opportunities for the public to participate in the decision-making processes associated with the development, implementation, and update of the Township's stormwater-related policies, ordinances, and projects.</p>			
Target Audiences			
<p>Efforts shall be made to engage the following groups in the decision-making processes associated with the development, implementation, and update of the SWMP and activities.</p>			
<p>Township Residents Township Businesses (Target Audiences and Strategies for Public Participation are included on the attached chart)</p>			
Routine Communications			
<p>The following methods shall be used to communicate with target audiences listed above.</p>			
<input checked="" type="checkbox"/> Municipal Website url: wrightstownpa.org		<input checked="" type="checkbox"/> Flyers Location: <u>Township Building Lobby</u>	
<input type="checkbox"/> Municipal Newsletter		Location: _____	
<input type="checkbox"/> Social Media Outreach		Location: _____	
<input type="checkbox"/> Facebook		<input type="checkbox"/> Target email	
<input type="checkbox"/> Twitter		Email list: _____	
<input type="checkbox"/> Nextdoor		<input type="checkbox"/> Mailings	
<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Other: <u>Cable TV Channel</u>	
<input type="checkbox"/> Newspaper Advertisements Newspaper Name (s): _____ _____			

Public Involvement
<p>Potential opportunities that may be provided to the public to participate in the development, update and implementation of the SWMP are listed below.</p> <p><i>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.</i></p>
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 following section documents additional instances of public involvement in the SWMP conducted in coordination with targeted Audiences.	
Public Input	
Prior to adoption, modification, or submission to DEP, the following documents will be advertised for public input: Ordinances Standard Operating Procedures (SOPs) Pollutant Reduction Plans (PRPs) TMDL Plans (if applicable)	
For Ordinances and SOPs, the public input process will include the following steps: <ol style="list-style-type: none">1. Provide notice to the public;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.	For PRPs and TMDL Plans, the public participation requirements specific in the permit appendices shall be followed and documented.

Report Availability	
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: <input checked="" type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input type="checkbox"/> Other MS4 Documentation	Document Name: Pollution Reduction Plan Availability to public (at least one option must be checked): <input checked="" type="checkbox"/> Website (list url): <u>wrightstownpa.org</u> <input checked="" type="checkbox"/> For view in municipal office: <u>Available upon request</u> <input type="checkbox"/> By mail by request <input type="checkbox"/> Other: _____
Document Type: <input type="checkbox"/> Pollutant Reduction Plan <input checked="" type="checkbox"/> Stormwater Management Ordinance <input type="checkbox"/> Other MS4 Documentation	Document Name: Wrightstown Township Stormwater Management Ordinance Availability to public (at least one option must be checked): <input checked="" type="checkbox"/> Website (list url): <u>wrightstownpa.org</u> <input checked="" type="checkbox"/> For view in municipal office: <u>Available upon request</u> <input type="checkbox"/> By mail by request: <input type="checkbox"/> Other: _____
Document Type: <input type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input checked="" type="checkbox"/> Other MS4 Documentation	Document Name: MS4 Maps Availability to public (at least one option must be checked): <input type="checkbox"/> Website (list url): _____ <input checked="" type="checkbox"/> For view in municipal office: <u>Available upon request</u> <input type="checkbox"/> By mail by request <input type="checkbox"/> Other: _____
Document Type: <input type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input checked="" type="checkbox"/> Other MS4 Documentation	Document Name: Public Meeting Minutes for MS4 Discussions by BOS Availability to public (at least one option must be checked): <input checked="" type="checkbox"/> Website (list url): <u>wrightstownpa.org</u> <input checked="" type="checkbox"/> For view in municipal office: <u>Available upon request</u> <input type="checkbox"/> By mail by request <input type="checkbox"/> Other: _____

* Attach Additional Sheets as Necessary

Report Availability	
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: <input type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input checked="" type="checkbox"/> Other MS4 Documentation	Document Name: MS4 Annual Reports Availability to public (at least one option must be checked): <input type="checkbox"/> Website (list url): _____ <input checked="" type="checkbox"/> For view in municipal office: <u>Available upon request</u> <input type="checkbox"/> By mail by request <input type="checkbox"/> Other: _____
Document Type: <input type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input type="checkbox"/> Other MS4 Documentation	Document Name: Availability to public (at least one option must be checked): <input type="checkbox"/> Website (list url): _____ <input type="checkbox"/> For view in municipal office: _____ <input type="checkbox"/> By mail by request: <input type="checkbox"/> Other: _____
Document Type: <input type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input type="checkbox"/> Other MS4 Documentation	Document Name: Availability to public (at least one option must be checked): <input type="checkbox"/> Website (list url): _____ <input type="checkbox"/> For view in municipal office: _____ <input type="checkbox"/> By mail by request <input type="checkbox"/> Other: _____
Document Type: <input type="checkbox"/> Pollutant Reduction Plan <input type="checkbox"/> Stormwater Management Ordinance <input type="checkbox"/> Other MS4 Documentation	Document Name: Availability to public (at least one option must be checked): <input type="checkbox"/> Website (list url): _____ <input type="checkbox"/> For view in municipal office: _____ <input type="checkbox"/> By mail by request <input type="checkbox"/> Other: _____

PHASE II STORMWATER MANAGEMENT PROGRAM
WRIGHTSTOWN TOWNSHIP
PUBLIC PARTICIPATION – STRATEGIES AND TARGET AUDIENCES

Who are we Trying to Involve?	What Organizations to They Belong to?	What Volunteer Programs Do These Organizations Run?	What is the Scope of these Programs and How often do They Take Place?	Strategies for partnering with Community Organizations to Involve the Public in Stormwater Management
Municipal Employees	<ul style="list-style-type: none"> American Public Works Association PSATS Township Volunteer Committees Volunteer Fire Company 	<ul style="list-style-type: none"> Committee Meetings Seminars/Workshops Training 	<ul style="list-style-type: none"> Annual Conferences Periodic Seminars/Workshops Periodic Committee Meetings 	<ul style="list-style-type: none"> Township allows employees to attend appropriate seminar, workshops or conferences Discuss issues at committee meetings
Residents	<ul style="list-style-type: none"> Planning Commission Environmental Advisory Board Other Township Volunteer Committees Volunteer Fire Company Local Sports Organizations 	<ul style="list-style-type: none"> Public Meetings of Board of Supervisors and Volunteer Committees Training Sports 	<ul style="list-style-type: none"> Monthly Committee Meetings Monthly Board of Supervisors Meetings Periodic Volunteer programs 	<ul style="list-style-type: none"> Residents invited to participate in public meetings Residents invited to be members of the Township Volunteer Committees
Schools	<ul style="list-style-type: none"> Boy/Girl Scouts Student Clubs Youth Sports Association (Tri-Township Baseball, Council Rock United Soccer, etc.) 	<ul style="list-style-type: none"> Eagle Scout Bronze, Silver & Gold Award Program for Girl Scouts Sports Programs 	<ul style="list-style-type: none"> Programs occur throughout the year Sports Programs year round 	<ul style="list-style-type: none"> Encourage Boy/Girl Scouts to perform service to education about or improve water quality Encourage Sports Associations to assist in park clean-up activities Encourage school groups to support the environment and water quality by education or specific projects
Businesses	<ul style="list-style-type: none"> Lower Bucks County Chamber of Commerce 	<ul style="list-style-type: none"> Business Expo Periodic Meetings 	<ul style="list-style-type: none"> Community Education Public Service 	<ul style="list-style-type: none"> Encourage workshops/meetings addressing stormwater management or water quality
Developers	<ul style="list-style-type: none"> Lower Bucks County Chamber of Commerce Home Builders Associations 	<ul style="list-style-type: none"> Career Day Periodic Meetings 	<ul style="list-style-type: none"> Community Education Public Service 	<ul style="list-style-type: none"> Encourage workshops/meetings addressing stormwater management or water quality

Appendix F:

Board of Supervisors Minutes

WRIGHTSTOWN TOWNSHIP BOARD OF SUPERVISORS
REGULAR MEETING DECEMBER 19, 2022

The Wrightstown Township Board of Supervisors met on Monday, December 19, 2022 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, Solicitor Vicki Kushto, Township Engineer Cindy VanHise and Township Manager Stacey Mulholland. Treasurer Robert S. Lloyd was absent.

APPROVAL OF MINUTES:

There were none.

APPROVAL OF BILLS:

On a motion by Vice Chair Magne, seconded by Chair Pogonowski, the following December 5, 2022 payments were approved unanimously:

General Fund bills	\$116,277.95
Building Loan Payment	2,422.00
Open Space Loan Payment	17,178.00
Highway Capital Reserve Loan Payment	10,833.00
Cable Access Fund bills	837.56
Special Projects Fund bill	3,971.16
Matthews Ridge Sewer Fund bills	1,091.69
Open Space Bond Fund bill	87.50
TOTAL	\$152,698.86

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

General Fund to Payroll Fund (12/05/22)	\$20,000.00
---	-------------

On a motion by Vice Chair Magne, seconded by Chair Pogonowski, the following December 19, 2022 payments were approved unanimously:

General Fund bills	\$52,926.31
Special Reserve Fund bill	1,692.41
Cable Access Fund bills	464.82
Matthews Ridge Sewer Fund bill	417.38
Jane Chapman East Sewer Fund bill	43.55
Open Space Bond Fund bills	820.80
TOTAL	\$56,365.27

On a motion by Vice Chair Magne, seconded by Chair Pogonowski, the December 19, 2022 Escrow bills list for \$27,830.11 was approved unanimously.

On a motion by Vice Chair Magne, seconded by Chair Pogonowski, the following transfer was approved unanimously.

General Fund to Payroll Fund (12/14/22)

\$25,000.00

ANNOUNCEMENTS:

- A.** Vice Chair Magne announced that the Village Library will be hosting the following programs.
Registration for the programs is available online at www.calendarbuckslib.org.
A special New Year's Eve musical performance by Miss Lolly for children 2-5 years of age will be held on Wednesday, December 28 from 10:00 to 11:00 A.M.
- B.** The Village Library has mailed out their Fund Drive letters and would appreciate the generosity of residents to help support the Library.
- C.** There were no changes to the agenda.

PUBLIC COMMENT:

There was none.

POLICE REPORT:

Chief Hearn presented the November police report. There were 399 calls for service, 78 traffic citations and 20 traffic accidents. He cautioned residents to be aware of migrating deer and to slow down to avoid a collision. He also warned residents to drop outgoing mail off inside a post office instead of leaving it in an outdoor postal drop box or a residential mailbox. He reported that there has been an increase in thefts from postal drop boxes.

SOLICITOR'S REPORT:

- A. Stormwater Ordinance #325.** Solicitor Kushto reviewed the stormwater ordinance that would amend the Township's codified stormwater ordinance. On a motion by Chair Pogonowski, seconded by Vice Chair Magne, Ordinance #325 was approved.
- B. Lighting Ordinance #326.** Solicitor Kushto reviewed the lighting ordinance that would amend the Township's outdoor lighting code. On a motion by Chair Pogonowski, seconded by Vice Chair Magne, Ordinance #326 was approved.
- C. Fireworks Ordinance #327.** Solicitor Kushto reviewed the fireworks ordinance that would amend the Township's code and amend some provisions the State law. On a motion by Chair Pogonowski, seconded by Vice Chair Magne, Ordinance #327 was approved.
- D.** Solicitor Kushto also announced that she received notification that the Liquor Control Board approved the petition for the Township amplified sound ordinance to take precedence over the Liquor Control Board's guidelines for licensed establishments. The exemption applies to any licensed establishments in the Township for 1 year. The Township can petition again after a year and if the extension is granted, it will be valid for 3 years.

ENGINEER'S REPORT:

The Board accepted the Engineer's report for November. Engineer VanHise reported that the road program has been completed and the annual MS4 report has been submitted to DEP.

SUPERVISORS' COMMENTS:

There were none.

DEPARTMENT REPORTS:

- A. Code/Zoning Department.** Chair Pogonowski reviewed the November report. There were 20 permits issued, 16 inspections and a total of \$31,518.00 in fees collected, of which \$11,415.50 was escrows.
- B. Public Works Department.** The Board received the November report.
- C. Lingohocken Fire Company Report.** Chair Pogonowski reviewed the November report. There were 19 calls for service, 217 man-hours for responses, 159.50 man-hours for training and 17 man-hours for work detail, for a total of 394 man-hours of service to the community.
- D. Boards and Commissions.**
 - Planning Commission.** Vice Chair Magne said that the Planning Commission has been reviewing the use and misuse of brake retarders on trucks.

MANAGER'S REPORT:

PA Department of Auditors General Notice. Manager Mulholland said that she received notice from the Pennsylvania Auditors General office stating the Township's Distress Score is zero. A Distress Score of zero means the funded ratio of all the municipality's pension plans combined must be at least 90%. Wrightstown Township is currently at 183%.

REORGANIZATION MEETING JANUARY 03, 2023:

- A. Appointment of Temporary Chair.** On a motion by Vice Chair Magne, seconded by Chair Pogonowski, the Board voted to appoint Chester Pogonowski as Temporary Chairman for the reorganization meeting on January 3.
- B. Appointment of Temporary Secretary.** On a motion by Chair Pogonowski, seconded by Vice Chair Magne, the Board voted to appoint Manager Mulholland as Temporary Secretary.

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 Vice Chair Magne, seconded by Chair Pogonowski, both voted to adjourn. The meeting was adjourned at 8:08 P.M.

Respectfully submitted,

Stacey Mulholland, Manager

Appendix G:
Stormwater Management Ordinance
Amendment

WRIGHTSTOWN TOWNSHIP

ORDINANCE # 325

AN ORDINANCE AMENDING CHAPTER 2 [ANIMALS] OF WRIGHTSTOWN CODE OF ORDINANCES TO ADD SECTION 2-107 TO COMPLY WITH THE REQUIREMENTS OF THE TOWNSHIP'S NPDES PERMIT FOR STORMWATER DISCHARGES FROM THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) AND AMENDING CHAPTER 157 [STORMWATER MANAGEMENT) OF WRIGHTSTOWN TOWNSHIP'S CODE OF ORDINANCE TO AMEND SECTION 25-111, ADD A NEW SECTION 25-112, AMEND SECTIONS 25-704, 801.3, 902 AND ADD A NEW SECTION 25-903.2

NOW THEREFORE IT IS HEREBY ENACTED AND ORDAINED by the Wrightstown Township Board of Supervisors that the Wrightstown Township Code shall be amended as follows:

SECTION 1. **Addition of Section 2-107**

Chapter 2 of the Wrightstown Codified Ordinances shall be amended by adding a new Section 2-107 as follows:

2-107 Animal Waste

1. It shall be unlawful for the owner or person in custody or control of any dog to allow such dog to defecate upon the public property of the Township and the private property of another other than the owner or keeper of said dog.
2. If such dog shall defecate upon property other than that of the owner or keeper of the dog, the owner or keeper must immediately clean up the feces and make proper disposition of it so as not to endanger the health and safety of the public.

SECTION 2. **Alteration of Section 25-111 Modifications (Waivers)**

Chapter 25 shall be amended by deleting Section 25-111 and replacing it with the following:

Section 25-111 Modifications (Waivers)

1. If the Township determines that any requirement under this Ordinance cannot be achieved for a particular regulated activity, the Township may,

after an evaluation of alternatives, approve measures other than those in this Ordinance, subject to the paragraphs below.

2. Waivers or modifications of the requirements of this Chapter may be approved by the Municipality if enforcement will exact undue hardship because of peculiar conditions pertaining to the land in question, provided that the modifications will not be contrary to the public interest and that the purpose of the Chapter is preserved. Cost or financial burden shall not be considered a hardship. Modification may be considered if an alternative standard or approach will provide equal or better achievement of the purpose of the Chapter.
3. All requests for modification shall be in writing, signed by the property owner, and accompany the Stormwater Management Site Plan submission. The request shall state in full the grounds and facts of unreasonableness or hardship on which the request is based, the provision or provisions of this chapter involved, and the minimum modification necessary.
4. In granting a modification, the Township may impose such conditions as will, in its judgment, substantially secure the objectives of the standards or requirements so modified and will not be contrary to the public interests.
5. The Township shall keep a written record of all action taken on all requests for modifications.
6. No waiver or modification of any regulated stormwater activity involving earth disturbance greater than or equal to one acre may be granted by the Municipality unless that action is approved in advance by the Department of Environmental Protection (DEP) or the delegated county conservation district.

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Chapter 25 shall be amended by inserting a new Section 25-112 Erroneous Permit as follows:

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Any permit or authorization issued or approved based on false, misleading or erroneous information provided by an applicant is void without the necessity of any proceedings for revocation. Any work undertaken or use established pursuant to such permit or other authorization is unlawful. No action may be taken by a board, agency or employee of the Municipality purporting to validate such a violation.

SECTION 4. Alteration of Section 25-704 Operations and Maintenance (O&M) Agreement for Privately Owned Stormwater Facilities and BMPs

Chapter 25 is amended by deleting Section 25-704 and replacing it with the following:

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1. The owner shall sign an O&M agreement with the municipality covering all stormwater facilities and BMPs that are to be privately owned. The O&M agreement shall be transferred with transfer of ownership. The agreement shall be substantially the same as the agreement in Appendix A.
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5. The owner is responsible for the O&M of the SWM BMPs. If the owner fails to adhere to the O&M agreement, the municipality may perform the services required and charge the owner appropriate fees. Nonpayment of fees may result in a lien against the property.
4. The owner shall keep on file with the Municipality the name, address, and telephone number of the person or company responsible for maintenance activities; in the event of a change, new information shall be submitted by the owner to the Municipality within ten (10) working days of the change.

SECTION 5. Amendment of Section 25-801.3

Chapter 25 is amended by deleting Section 25-801.3 and replacing it with the following:

3. The following discharges are authorized unless they are determined to be significant contributors to pollution to the water of the Commonwealth.
 - A. Discharges or flows from firefighting activities.

- B. Discharges from potable water sources including waterline flushing and fire hydrant flushing, if such discharges do not contain detectable concentrations of Total Residual Chlorine (TRC).
- C. Non-contaminated irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and wetlands.
- D. Diverted stream flows and springs.
- E. Non-contaminated pumped ground water and water from foundation and footing drains and crawl space pumps.
- F. Non-contaminated HVAC condensation and water from geothermal systems.
- G. Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized.
- H. Non-contaminated hydrostatic test water discharges if such discharges do not contain detectable concentrations of TRC.

SECTION 6. Alteration of Section 25-902 Inspections

Chapter 25 is amended by deleting Section 25-902 and replacing it with the following:

25-902 Inspections

1. Stormwater management (SWM) best management practices (BMPs) should be inspected for proper operation by the landowner, or the owner's designee (including the municipality for dedicated and owned facilities), according to the following list of minimum frequencies:
 - a. Annually for the first 5 years.
 - b. Once every 3 years thereafter.
 - c. During or immediately after the cessation of a 10-year or greater storm.
 - d. As specified in the operations and maintenance (O&M) agreement.
2. Inspections should be conducted during or immediately following precipitation events. A written inspection report shall be created to document each inspection. The inspection report shall contain the date and time of the inspection, the individual(s) who completed the inspection, the location of the BMP, facility or structure inspected, observations on

performance, and recommendations for improving performance, if applicable. Inspection reports shall be submitted to the Municipality within 30 days following completion of the inspection.

SECTION 7. **Addition of Section 25-903.2**

Chapter 25 is amended by adding a new Section 25-903.2 as follows:

2. It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM Site Plan, unless specifically exempted in section 25-106 or 25-107.

SECTION 8. **Repeal and Ratification.**

All ordinances or parts of ordinances inconsistent herewith or in conflict with any of the specific terms enacted hereby, to the extent of said inconsistencies or conflicts, are hereby specifically repealed. Any other terms and provisions of the ordinances of the Township that are unaffected by this Ordinance are hereby reaffirmed and ratified.

SECTION 9. **Severability.**

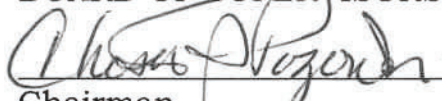
Should any section, paragraph, sentence, clause, or phrase in this Ordinance be declared unconstitutional or invalid for any reason, the remainder of the Ordinance shall not be affected thereby and shall remain in full force and effect, and for this reason the provisions of this Ordinance shall be severable.

SECTION 10. **Effective Date.**

This Ordinance shall become effective five (5) days after enactment.

DULY ENACTED AND ORDAINED this 19th day of December, 2022, by the Board of Supervisors of Wrightstown Township, Bucks County, Pennsylvania, in lawful session duly assembled.

WRIGHTSTOWN TOWNSHIP
BOARD OF SUPERVISORS


Chairman

(Township Seal)

Attest:


Secretary

Appendix H:
Illicit Discharge Detection & Elimination
Program

MCM #3: 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 or would damage property, the municipality shall:

- Immediately notify Pennsylvania Department of Environmental Protection (PADEP) by telephone of the location and nature of the danger:
 - 484-250-5900 between 8:00 AM and 4:00 PM
 - 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:
 - pH
 - 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.

MCM #3: ILLICIT DISCHARGE, DETECTION & ELIMINATION PROGRAM

- 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 I:

**MCM #6 – Inventory and Operation &
Maintenance**

MCM #6: GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP #1: Inventory of Facilities and Activities

<i>Facility/Activity</i>	<i>Storm Sewer System Impact</i>	<i>Discharge To:</i>	<i>O&M Responsibilities</i>	<i>Attachment</i>
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

MCM #6: GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP #2: O&M Actions

Contact: Stacey Mulholland

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

<i>Responsibility</i>	<i>When and How Often?</i>	<i>Actions</i>
Maintenance Operations	Daily	<ul style="list-style-type: none"> • Perform maintenance of equipment and vehicles in building. • Eliminate leaks in vehicles and equipment. Use drip pans as needed. • Minimize use of solvents. Non-hazardous cleaners and solvents will be used whenever possible. • Follow spill prevention and control measures and maintain a supply of materials for the cleanup of spills. • 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	<ul style="list-style-type: none"> • 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 • Use phosphate-free biodegradable detergents when possible
Road Salt Maintenance	Daily, when in use	<ul style="list-style-type: none"> • Keep rain off of stored road salt – store road salt in salt storage building • Calibrate spreaders • Haul and stock salt during dry weather • Sweep up spills around salt/loading area
Fuel – 250 gal. above ground diesel fuel storage tank & 250 gal. above ground gasoline storage tank	Daily	<ul style="list-style-type: none"> • All fueling operations will be monitored to prevent or react to spills • All spills to be cleaned up immediately. • Topping off of vehicle fuel tanks is discouraged • Above ground storage tanks are maintained within a suitable secondary containment area. • 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.

MCM #6: GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP #2: O&M Actions

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

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

MCM #6: GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP #2: O&M Actions

Attachment #3: Township Owned Property

<i>Responsibility</i>	<i>When and How Often?</i>	<i>Actions</i>	<i>Additional Considerations</i>
Open Space	Annually	<ul style="list-style-type: none"> Inspect swales and vegetated areas for eroded areas and stabilize as needed Inspect streambank for eroded areas 	Located in Neshaminy Creek & Jericho Creek Watersheds
Stormwater Facilities	Annually and As Needed	<ul style="list-style-type: none"> Maintain appropriate vegetation Address any eroded areas Verify that basin is functioning properly 	Check stormwater management facilities after heavy rain as needed
Township Building, 1733 Township Greene	Seasonally	<ul style="list-style-type: none"> Maintain lawn areas Verify all areas are stabilized to prevent erosion Maintain parking areas and clean inlets, storm sewers or swales associated with parking lots 	
Library, 727 Penns Park Road	Seasonally	<ul style="list-style-type: none"> Maintain lawn areas Verify all areas are stabilized to prevent erosion Maintain parking areas and clean inlets, storm sewers or swales associated with parking lots 	

MCM #6: GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP #2: O&M Actions

Attachment #3: Township Owned Property

Township-Owned Stormwater Facilities:

<i>Type of Stormwater Management Facility</i>	<i>Location</i>	<i>O&M Needs</i>
Wet Pond Forebay/Detention Basin	Parsons Lane; Jericho Creek Watershed – within regulated MS4 Area	<ul style="list-style-type: none">• Inspect outlet structure, outfall pipe, incoming storm sewers and repair as needed• Inspect after major storm events• Inspect vegetation
Fire Pond and 2 Detention Basins	Matthews Lane; Jericho Creek Watershed – not within regulated MS4 Area	<ul style="list-style-type: none">• Inspect outlet structure, outfall pipe, incoming storm sewers and repair as needed• Inspect after major storm events• Inspect vegetation

MCM #6: GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP #2: O&M Actions

Attachment #3: Township Owned Property

<i>Location</i>	<i>Facilities</i>	<i>Property Size (ac.)</i>	<i>Watershed</i>	<i>Located in Urbanized Area/Regulated MS4 Area</i>
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.

Appendix K:

Animal Waste Ordinance

WRIGHTSTOWN TOWNSHIP

ORDINANCE # 325

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Chapter 25 is amended by deleting Section 25-902 and replacing it with the following:

25-902 Inspections

1. Stormwater management (SWM) best management practices (BMPs) should be inspected for proper operation by the landowner, or the owner's designee (including the municipality for dedicated and owned facilities), according to the following list of minimum frequencies:
 - a. Annually for the first 5 years.
 - b. Once every 3 years thereafter.
 - c. During or immediately after the cessation of a 10-year or greater storm.
 - d. As specified in the operations and maintenance (O&M) agreement.
2. Inspections should be conducted during or immediately following precipitation events. A written inspection report shall be created to document each inspection. The inspection report shall contain the date and time of the inspection, the individual(s) who completed the inspection, the location of the BMP, facility or structure inspected, observations on

performance, and recommendations for improving performance, if applicable. Inspection reports shall be submitted to the Municipality within 30 days following completion of the inspection.

SECTION 7. **Addition of Section 25-903.2**

Chapter 25 is amended by adding a new Section 25-903.2 as follows:

2. It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM Site Plan, unless specifically exempted in section 25-106 or 25-107.

SECTION 8. **Repeal and Ratification.**

All ordinances or parts of ordinances inconsistent herewith or in conflict with any of the specific terms enacted hereby, to the extent of said inconsistencies or conflicts, are hereby specifically repealed. Any other terms and provisions of the ordinances of the Township that are unaffected by this Ordinance are hereby reaffirmed and ratified.

SECTION 9. **Severability.**

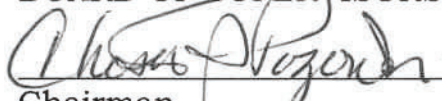
Should any section, paragraph, sentence, clause, or phrase in this Ordinance be declared unconstitutional or invalid for any reason, the remainder of the Ordinance shall not be affected thereby and shall remain in full force and effect, and for this reason the provisions of this Ordinance shall be severable.

SECTION 10. **Effective Date.**

This Ordinance shall become effective five (5) days after enactment.

DULY ENACTED AND ORDAINED this 19th day of December, 2022, by the Board of Supervisors of Wrightstown Township, Bucks County, Pennsylvania, in lawful session duly assembled.

WRIGHTSTOWN TOWNSHIP
BOARD OF SUPERVISORS


Chairman

(Township Seal)

Attest:


Secretary