



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

**September 2019**

**PREPARED FOR:**

West Norriton Township  
Montgomery County, PA  
1630 W. Marshall Street  
Jeffersonville, PA 19403

**PREPARED BY:**

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State Certified DBE/WBE**



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

FOR THE PERIOD July 1, 2018 TO JUNE 30, 2019

GENERAL INFORMATION					
Permittee Name:	West Norriton Township	NPDES Permit No.:	PAG130006		
Mailing Address:	1630 West Marshall Street	Effective Date:	3/16/2018		
City, State, Zip:	Jeffersonville, PA 19403	Expiration Date:	3/15/2023		
MS4 Contact Person:	Jason Bobst	Renewal Due Date:	9/16/2022		
Title:	Township Manager	Municipality:	West Norriton Township		
Phone:	610-631-0450	County:	Montgomery		
Email:	jbobst@wntwp.com				
Co-Permittees (if applicable): n/a					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input type="checkbox"/> Appendix B <input checked="" type="checkbox"/> Appendix C <input type="checkbox"/> Appendix D <input checked="" type="checkbox"/> Appendix E <input type="checkbox"/> Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).					
Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Schuylkill River	WWF	Yes	PCBs	YES	YES
Indian Creek	WWF	Yes	Water/Flow Variability, Siltation; Cause Unknown	NO	NO
UNT 1 to Stony Creek	TSF	Yes	Water/Flow Variability, Siltation; Cause Unknown	NO	NO
UNT 2 to Stony Creek	TSF	Yes	Water/Flow Variability, Siltation; Cause Unknown	NO	NO
UNT to Indian Creek	WWF	Yes	Water/Flow Variability, Siltation; Cause Unknown	NO	NO
UNT to Schuylkill River	WWF	Yes	Water/Flow Variability, Siltation, Cause Unknown	NO	NO

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

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

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

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	West Norriton Township	Jason Bobst	610-631-0450
#2 Public Involvement/Participation	West Norriton Township	Jason Bobst	610-631-0450
#3 Illicit Discharge Detection and Elimination (IDD&E)	West Norriton Township	Jason Bobst	610-631-0450
#4 Construction Site Storm Water Runoff Control	West Norriton Township	Jason Bobst	610-631-0450
#5 Post-Construction Storm Water Management in New Development and Redevelopment	West Norriton Township	Jason Bobst	610-631-0450
#6 Pollution Prevention / Good Housekeeping	West Norriton Township	Jason Bobst	610-631-0450

**MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS**

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

1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?  
 Yes     No
2. Date of latest annual review of PEOP: **November 2018**                      Were updates made?     Yes     No
3. What were the plans and goals for public education and outreach for the reporting period?
  - **Review the PEOP and update as necessary.**
  - **Review the target audience list and update as necessary.**
  - **Review the information and links on the Stormwater page of the Township website and update as necessary.**
  - **Display stormwater educational information at the Township Building.**
  - **Publish at least one (1) stormwater article in the Township newsletter.**
  - **Develop a youth educational event focused on stormwater pollution prevention for children in the community.**
  - **Review and update the interactive GIS story map on ArcGIS Online as needed. A link to this map can be found on the Township website.**
  - **Continue the involvement of the Township Environmental Advisory Council.**
4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period?      Yes     No
5. Identify specific plans and goals for public education and outreach for the upcoming year:
  - **Review the PEOP and update as necessary.**
  - **Review the target audience list and update as necessary.**
  - **Review the information and links on the Stormwater page of the Township website and update as necessary.**
  - **Display stormwater educational information at the Township Building.**
  - **Publish at least one (1) stormwater article in the Township newsletter.**
  - **Implement the youth educational event focused on stormwater pollution prevention.**
  - **Review and update the interactive GIS story map on ArcGIS Online as needed. A link to this map can be found on the Township website.**
  - **Continue the involvement of the Township Environmental Advisory Council.**

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

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

Yes  No

2. Date of latest annual review of target audience lists: **November 2018** Were updates made?  Yes  No

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

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

Yes  No

2. Date of latest annual review of educational materials: **November 2018** Were updates made?  Yes  No

3. Do you have a municipal website?  Yes  No (URL: **<https://www.westnorritontwp.org/178/Storm-Water>** )

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

- **Storm Water Management in West Norriton background information**
- **Permit Framework information**
- **PRP Information and links to the Township's proposed plan**
- **A link to the July 1, 2016 – June 30, 2018 Annual MS4 Status Report pdf document**
- **Information on how residents can help and inform the Township of any illicit discharges**
- **A customized interactive GIS story map providing information on the Townships MS4**
- **Links to PADEP, EPA, MCCD, CWP, and many other entities relating to stormwater**

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

- **The Township utilizes their Facebook page to distribute educational information. For example, the Township shared CEDARVILLE Engineering Group, LLC's post on April 3, 2019 regarding the Alexander Drive basin retrofit that is proposed as part of the Township's PRP.**
- **The Township made a Facebook post on July 10, 2018 about stormwater activities that occurred during their Summer Camp by CEDARVILLE Engineering Group, LLC.**
- **CEDARVILLE Engineering Group, LLC posted five photos of West Norriton Township Summer Camp stormwater activities and tagged the West Norriton Township on July 10, 2018.**
- **CEDARVILLE Engineering Group, LLC posted photos of West Norriton Township Summer Camp stormwater activities and tagged the West Norriton Township on June 25, 2019.**
- **West Norriton Township's Parks & Recreation Facebook page posted about the West Norriton Township Summer Camp stormwater activities that occurred on June 25, 2019.**
- **The Township has a stormwater display at their municipal building providing information on Stormwater.**
- **The Township included a "Yard Waste Collection Reminder" in their Spring/Summer 2019 Newsletter.**
- **The interactive GIS Story Map linked on the website teaches the public about stormwater related issues.**
- **The Township advertised the Montgomery county A-Z Recycling Guide on their website as a quick and easy resource to find out how to recycle, compost or reuse just about anything. This guide helps to find where and how to recycle over 200 items in Montgomery County.**
- **The Township website has a link to Stony Creek Anglers, a trout nursery that focuses on water quality. They held a Youth Field Day on August 25, 2018 to educate people about the outdoors, which was advertised in their August/September 2018 newsletter and on their Facebook page.**

Refer to Appendix A for documentation.

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

- **Review the stormwater educational information on the Township website and update as necessary.**
- **Place an advertisement with stormwater educational information content in the newspaper.**
- **Publish a minimum of one article relating to stormwater and one or more of the MCMs in the Township newsletter.**
- **Publish at least one new stormwater educational item.**

#### **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).

- **The Township utilizes social media to distribute educational information. For example, the Township shared CEDARVILLE Engineering Group, LLC's post on April 3, 2019 regarding the Alexander Drive basin retrofit that is proposed as part of the Township's PRP.**
- **The Township utilizes their website to distribute stormwater related educational material and advertise for events.**
- **The Township had the following stormwater-related pamphlets in their municipal building: "When It Rains, It Drains", "Rain Gardens – Gardens with Benefits", and "Making a Rain Barrel".**
- **The Township also had flyers advertising a tire collection event and household hazardous waste collection events in their municipal building.**

Refer to Appendix A & B for documentation.

**MCM #1 Comments:**

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

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

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

Yes  No

2. Date of latest annual review of PIPP: **November 2018** 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:

- **The public notice for the West Norriton Township PRP Public Review was advertised in *The Times Herald* on June 5, 2019 and on the Township’s website. The public notice indicated that the plan is available for public review on the Township website at <http://www.westnorritontwp.org/> and by request at the Township Building at 1630 W. Marshall St., Jeffersonville, PA 19403. Written comments from the public will be accepted for a period of 30 days from the date of this public notice. Verbal and written comments will also be accepted during the Board of Commissioners meeting scheduled for July 9, 2019 at 7:00pm at the Township Building.**

**Refer to Appendix B for documentation.**

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
PRP	6/5/19	7/9/19	5/24/19

**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:

**6.6.18 – CEDARVILLE Engineering provided a presentation on the Township’s Stormwater management Program, including information on the new 2018 NPDES MS4 permit requirements. The meeting took place at the Environmental Advisory Committee meeting.**

**Refer to Appendix B for documentation.**

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.

- **West Norriton Township advertised the Montgomery County Recycling Event Schedules for 2019 on the Township website. More specifically, the Township advertised an online sale of compost bins and rain barrels organized by Montco PA Recycles. The Township posted the event flyer on the Township website in an effort to encourage residents to purchase discounted backyard compost bins and rain barrels.**

**Refer to Appendix B for documentation.**

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.

- **West Norriton’s Summer Camp in collaboration with CEDARVILLE Engineering Group LLC worked on organizing a stormwater educational event for children ages 5-12. The event took place in July 2018 and will educated the children on stormwater pollution and MS4s.**
- **West Norriton’s Summer Camp in collaboration with CEDARVILLE Engineering Group LLC worked on organizing a stormwater educational event for children ages 5-12. The event took place on June 25, 2019 and educated the children on stormwater pollution and MS4s.**
- **The Township encouraged residents to participate in a Tire Collection Event hosted by Montco PA Recycles and took place on the following Saturdays: May 11, June 8, and June 29, 2019. The purpose of the vent was to prevent tires from being improperly disposed of and to reduce breeding grounds for disease carrying mosquitoes. The Township advertised the event on the Township’s website.**
- **The Township encouraged residents to participate in a Household Hazardous Waste Collection Event that was held at Norristown Area High School on Saturday, June 15, 2019. This event was hosted and run by Montgomery County. The Township advertised the event on their Facebook page and on the Township’s website.**
- **The Township website has a link to Stony Creek Anglers, a trout nursery that focuses on water quality. They held their 33<sup>rd</sup> Annual Stony Creek Memorial Clean Up on March 23, 2019, which was advertised in their March/April 2019 newsletter and on their Facebook page.**
- **Stony Creek Anglers advertised Schuylkill River Greenways Association April 23, 2019 Spring Clean Up on their Facebook page.**

**Refer to Appendix B for documentation.**

**MCM #2 Comments:**

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

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

1. For new permittees only, was the written IDD&E program developed within one year of permit coverage?  
 Yes  No
2. Date of latest annual review of IDD&E program: **November 2018** Were updates made?  Yes  No

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

1. Have you completed a map(s) that includes all components of BMP #2?  Yes  No  
If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.  
If No, date by which permittee expects map(s) to be completed:
2. Date of last update or revision to map(s): **May 2019**
3. Total No. of Outfalls in MS4: **88** Total No. of Outfalls Mapped: **88**
4. Total No. of Observation Points: **15** Total No. of Observation Points Mapped: **15**
5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?  
 Yes  No If Yes, select:  Existing Outfall(s) Identified  New Outfall(s) Proposed

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

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

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

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

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

3. Date of last update or revision to map(s): **May 2019**

**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? **88**

2. Indicate the percentage of all outfalls screened in the past five years. **100%**

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: **17%**

4. Did any dry weather flows reveal color, turbidity, sheen, odor, floating or submerged solids?  Yes  No

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

6. Do you use the MS4 Outfall Field Screening Report form (3800-FM-BCW0521) provided in the permit?

Yes  No

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

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

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that prohibits non-stormwater discharges?  Yes  No

If Yes, indicate the date of the ordinance or SOP: **7/13/2004**

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

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

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

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

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

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

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

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

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period?  Yes  No

If Yes, what was distributed? Illicit discharge detection and elimination information is provided on the Township’s website, presented in the interactive Story Map (also available on the Township’s website) and displayed in the Township’s municipal building.

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:**

**BMP #4: A “dry weather outfall field screening” was conducted in March and April of 2019. The results of this report are included in BMP #2 and #4 above and the methods are documented in the IDD&E Report in Appendix C.**

**BMP #5: The Township’s Stormwater Management Ordinance is consistent with an Act 167 Plan approved by DEP as required by the 2018 NOI (3800-PM-BCW0100b). The ordinance will be reviewed and updated as necessary prior to September 30, 2022 for consistency with the DEP’s 2022 Model Stormwater Management Ordinance with respect to authorized non-stormwater discharges.**

**MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL**

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

Yes  No

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

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

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)?

Yes  No  Not Applicable (no building permit applications received)

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

During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)?

Yes  No  Not Applicable (no building permit applications received)

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

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs?  Yes  No

If Yes, indicate the date of the ordinance or SOP: **7/13/2004**

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

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

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

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

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

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

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

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

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

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

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

1. A tracking system has been established for receipt of public inquiries and complaints.  Yes  No

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

**MCM #4 Comments:**

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

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

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs?  Yes  No  
If Yes, indicate the date of the ordinance or SOP: **7/13/2004**
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)?  Yes  No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

**BMP #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: **7/13/2004**
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)?  Yes  No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

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

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

**Thirty-two (32) PCSM BMPs were inspected on February 19, 2019. Of these BMPs, fourteen (14) BMPs were noted to have items that need to be addressed. Letters were sent to BMP owners addressing the corrective measures necessary for proper operation and maintenance of the BMP located on their property. Coordination is ongoing.**

**Refer to Appendix D for documentation.**

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

Yes  No

**PCSM BMP INVENTORY**

**Table 1.** To complete the information needed for MCM #5, BMP #3, list all existing structural BMPs that discharge stormwater to the permittee's MS4 that were installed to satisfy PCSM requirements for earth disturbance activities under Chapter 102, and provide the requested information (see instructions).

BMP No.	BMP Name	DA (ac)	Entity Responsible for O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
1	Refer to Appendix D.			o ' "	o ' "			
2				o ' "	o ' "			
3				o ' "	o ' "			
4				o ' "	o ' "			
5				o ' "	o ' "			
6				o ' "	o ' "			
7				o ' "	o ' "			
8				o ' "	o ' "			
9				o ' "	o ' "			
10				o ' "	o ' "			
11				o ' "	o ' "			
12				o ' "	o ' "			
13				o ' "	o ' "			
14				o ' "	o ' "			
15				o ' "	o ' "			
16				o ' "	o ' "			

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

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?  
 Yes  No  Not Applicable (no qualifying projects during reporting period)
2. Has a tracking system been established and maintained to record results of inspections?  
 Yes  No

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

Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed?  Yes  No

**MCM #5 Comments:**

**The Burnside Village Basin will be added to the routine inspection process as part of MCM #5 within the next reporting period. An inspection for this basin was conducted on May 1, 2019, separate from the inspections of the other BMPs listed on the inventory.**

**MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING**

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

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4?  Yes  No
2. When was the inventory last reviewed? **November 2018**
3. When was it last updated? **October 2017**

**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: **Reviewed November 2018**

**Refer to Appendix E for documentation.**

**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: November 2018      Date of latest training: 8/22/2018

3. Training topics covered:

**2018 Multi-Municipal Training covered the following topics:**

- Stormwater basics, maintenance, and regulation
- NPDES MS4 program overview (i.e., background and minimum control measures)
- Detailed information regarding MCM 3 (IDD&E) and MCM 6 (Pollution Prevention and Good Housekeeping)
- How to comply with the six MCMs (i.e., what events/advertisements apply and how to document everything)
- PRPs, BMPs, and TMDLs introduction and compliance methodology
- Stormwater funding resources
- Resident involvement opportunities

**Refer to Appendix E.**

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

**Beth Uhler, CEDARVILLE Engineering Group, LLC (CEG) MS4 Program Manager  
Amanda Reitbauer, CEG Geographic information Systems (GIS) Specialist  
Mikah Schlesinger, CEG Environmental Scientist**

5. Names of training attendees:

**Mike Valyo, Public Works Director**

**MCM #6 Comments:**

**POLLUTANT CONTROL MEASURES (PCMs)**

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

<b>Task</b>	<b>Date Completed</b>	<b>Attached</b>	<b>Anticipated Completion Date</b>
Storm Sewershed Map(s)	<b>6/10/2019</b>	<input checked="" type="checkbox"/>	-
Source Inventory		<input type="checkbox"/>	<b>September 30, 2020</b>
Investigation of Suspected Sources		<input type="checkbox"/>	<b>September 30, 2022</b>
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	<b>September 30, 2022</b>

**PCM Comments:**

**The Township is required to implement Pollutant Control Measures for Priority Organic Compounds for discharges to the Schuylkill River which is impaired by polychlorinated biphenyls (PCBs). Each task will be completed by the anticipated completion date indicated in the table above per the 2018 NPDES MS4 permit (3800-PM-BCW0100d).**

**Refer to Appendix F for documentation.**

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

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

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			Chesapeake Bay
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	May 24, 2019	PRP currently under review	Unnamed tributaries (UNTs) to Schuylkill River, Indian Creek and UNTs, UNTs to Stony Creek
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
<input type="checkbox"/> Combined PRP / TMDL Plan			

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

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).

Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	144,574.14	189.68	1,594.20
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: **5 years following DEP's Approval**

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

**The Township submitted a draft updated Pollutant Reduction Plan (PRP) to DEP for review May 24, 2019. DEP issued an informal approval via email on May 29, 2019, pending public participation. The Township completed the public participation process and submitted this information to DEP on August 23, 2019. During the reporting period, the Township completed a feasibility study for the Jeffersonville Golf Club Stream Restoration Phase II. Additionally, the Jeffersonville Golf Club Stream Restoration Phase I received Joint Permit approval from DEP. Construction is anticipated in Fall 2019.**

6. Anticipated activities for next reporting period.

The Township anticipates receiving DEP approval for their proposed PRP plan. The status of the BMPs for the next reporting period are as follows: Jeffersonville Golf Club Stream Restoration Phase I will be in construction phase during the next reporting period, Jeffersonville Golf Club Stream Restoration Phase II will be in the design phase, and the Alexander Drive Basin Retrofit will be in design phase.

**PRP/TMDL Plan Comments:**

The Township is in the feasibility study phase for a stream restoration project located at Centennial Park as a potential BMP for future pollutant reduction efforts.

**NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION**

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

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

**BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION**

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

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspection	Satisfactory?
24	Burnside Village Detention Basin	87.56	100	0.65	Acres	40°8'29.0"	-75°22'4.4"	September 2017	34,289.67	May 1, 2019	<input checked="" type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>

						o ' "	o ' "				<input type="checkbox"/>
--	--	--	--	--	--	-------	-------	--	--	--	--------------------------

**CERTIFICATION**

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

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

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

\_\_\_\_\_  
Signature

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

\_\_\_\_\_  
Date

# **APPENDIX A**

## **MCM #1**

### **Public Education and Outreach**

Pollutant Reduction Plan

How This Applies

Stormwater In Your Backyard

Home > Departments > Public Works > Storm Water

## STORM WATER

### Storm Water Management in West Norriton

The Clean Water Act is the federal legislation that governs storm water management. Storm water point discharges to waters of the U.S. are regulated using National Pollutant Discharge Elimination System (NPDES) permits.

In 1999, federal regulations extended coverage of the NPDES program to local separate storm sewer systems (MS4s) serving populations less than 100,000. West Norriton Township is required to comply with the NPDES program as a MS4. Under the NPDES storm water program, permittees must develop a storm water management plan that provides the details of how the community (West Norriton Township) will comply with the requirements of the permit.



### Permit Framework

Permits are based on a framework of six minimum control measures:

- Construction site runoff control
- Illicit discharge detection and elimination
- Pollution prevention and good housekeeping for municipal operations and maintenance
- Post-construction storm water management in new development and redevelopment
- Public education and outreach
- Public participation and involvement

More information on this program is available from the [Pennsylvania DEP website](#).

### West Norriton Township Municipal Separate Storm Sewer Systems

The goals of all municipal separate storm sewer systems (MS4s) programs and West Norriton Township are to:

- Reduce the discharge of pollutants from the township
- Protect water quality
- Satisfy requirements of the Clean Water Act

West Norriton Township would like you to remember that the water and any items that go into a storm sewer go directly into streams. This water is not cleaned in any way and does not go to the waste water treatment plant. West Norriton Township needs all of its residents to assist us in keeping our storm water and storm water sewer system clean by doing the following:

- Clean up after your pets
- Dispose of water properly
- Store materials that could pollute storm water indoors
- Use fertilizers properly efficiently to prevent excess runoff

Also, please monitor storm water inlets near your property. No one should dump anything into the storm sewer system. If you see someone dumping, please call the township at 610-631-0450.

### Annual Municipal Separate Storm Sewer System (MS4) Status Reports

- [July 1, 2016 to June 30, 2018 \(PDF\)](#)

Pollutant Reduction Plan

How This Applies

Stormwater In Your Backyard

[Home](#) > [Departments](#) > [Public Works](#) > [Storm Water](#) > [Pollutant Reduction Plan](#)

## POLLUTANT REDUCTION PLAN

### Pollutant Reduction Plan

#### Stony Creek, Indian Creek and Unnamed Tributaries to Schuylkill River

##### **Purpose and Scope**

West Norriton Township is required to develop and implement a Pollutant Reduction Plan (PRP) for Municipal Separate Storm Sewer System (MS4) discharges to Stony Creek, Indian Creek, and unnamed tributaries (UNTs) to the Schuylkill River as part of the 2018 National Pollutant Discharge Elimination System (NPDES) MS4 Individual Permit application to the Pennsylvania Department of Environmental Protection (PA DEP). This plan has been prepared based on the best and most current guidance made available by PA DEP.

##### **Permit Requirements**

In order to develop a PRP, it is important to have an understanding of the Township's requirements. West Norriton Township is required by the PA DEP and Environmental Protection Agency (EPA) to reduce sediment pollution from stormwater discharges to surfaces impaired by sediment by ten (10) percent over the five (5) year permit term (March 16, 2018 to March 15, 2023) by implementing projects or Best Management Practices (BMPs).

West Norriton has MS4 discharges or "outfalls" to Stony Creek, Indian Creek, and UNTs to the Schuylkill River, which are listed by the 2014 Pennsylvania Integrated Water Quality Monitoring and Assessment Report (Integrated Report) as impaired for siltation (i.e. sediment).

To review the proposed plan and review the summary document, please visit the links below:

[MS4 Pollutant Reduction Plan Summary \(PDE\)](#)

[Proposed Pollutant Reduction Plan prepared by Cedarville Engineering \(PDF\)](#)

Pollutant Reduction Plan

How This Applies

Stormwater In Your Backyard

Home > Departments > Public Works > Storm Water > How This Applies

## HOW THIS APPLIES

### How This Applies in West Norriton Township

Historically, storm water has been piped directly from houses and roads to streams. This influx of water during and after storm events has led to erosion of stream banks and scour of stream bed bottoms, moving sediment (and any potential pollutants in the sediment) into downstream waterways and ponds. This method of storm water management has also led to a reduction in groundwater recharge while causing flooding to downstream neighbors.

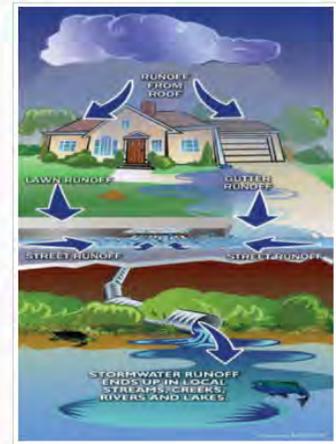


Today, regulations governing storm water management emphasize the infiltration of storm water on-site, if possible. These on-site infiltration beds contribute to groundwater recharge while minimizing downstream flood impacts. These regulations only impact new land developments, however.

### How Can You Help With Storm Water Management

You can help manage storm water by volunteering:

1. Participate in a stream or creek cleanup within the township
2. Plant trees along a stream or creek
3. Stencil storm drains with warnings about dumping
4. Organize a neighborhood pollution watch



What Residents can help watch for:

- Dry weather flows from outfall pipes into streams (72 hours after a rain storm)
- Illegal dumping activity into streams or storm sewers (please call 911 first)
- Sediment leaving a construction site in storm water spills (chemicals, gas, oil)

Residents may be the first to recognize illicit discharges dumping into storm sewers or coming out of from storm sewer outfalls. If you see an illicit discharge, please report that to the township by one of the following methods:

- Call 610-631-0450
- [Email for More Information](#)

### Additional Information

- [U.S. Environmental Protection Agency](#)
- [Center for Watershed Protection](#)
- [Montgomery County Conservation District](#)
- [Stormwater Discharges from MS4s](#)
- [Stormwater Public Education](#)
- [EPA's Stormwater Tool Box of Education Materials](#)
- [Stormwater Information for Homeowners](#)
- [Stormwater Menu of BMPs](#)
- [PA Department of Environmental Protection](#)
- [PA Department of Environmental Protection Bureau of Watershed Management](#)
- [PA Department of Environmental Protection Website on Storm Water Management](#)
- [PA Department of Environmental Protection Southeast Regional Office](#)
- [Stony Creek Anglers](#)
- [Schuylkill River National and State Heritage Area](#)



West Norriton Township

@WestNorritonPA

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West Norriton Township

3 April · 🌐



CEDARVILLE Engineering Group, LLC

3 April · 🌐

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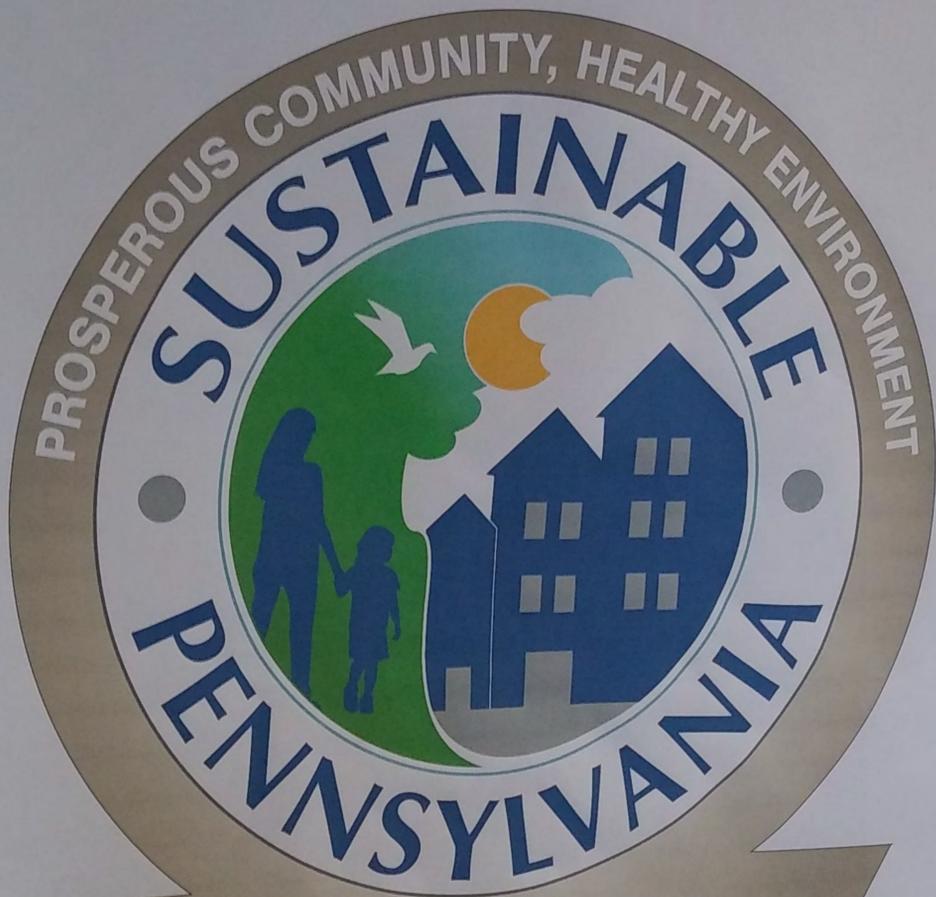
Take a look at these photos from a new West Norriton Township project! A retrofit of the basin is proposed as part of the Township's Pollutant Reduction Plan (PRP).

This basin is located on the south side of Alexander Drive at the intersection of Burnside Avenue. The purpose of this conceptual design of the retrofit of the basin is to confirm that the proposed project will provide the minimum credit reduction indicated in the PRP, and to provide a concept in which to base the final design. The conceptual design will also provide a platform for sourcing funding for the project.

7

1 share

RECEPTIONIST



CERTIFIED  
SILVER  
COMMUNITY

TOWNSHIP  
UILDING

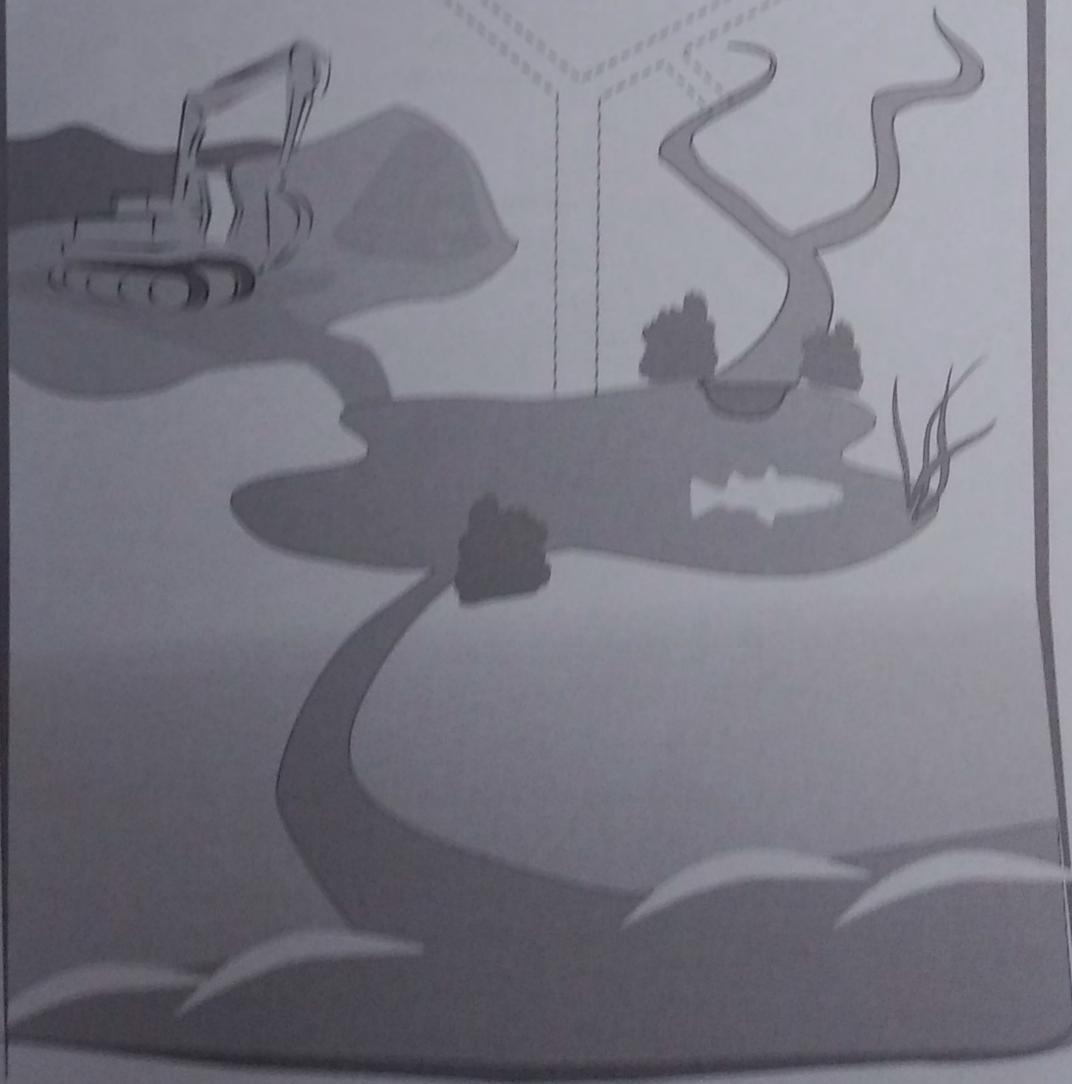
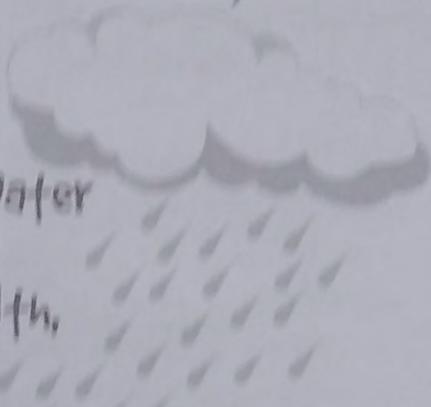
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CENTER

# When It Rains, It Drains

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



## What is Storm Water?

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

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

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



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



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



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

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



## Where To Go To Continue the Information Flow

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

### Municipality of Norristown

235 East Airy Street

Norristown, PA 19401

610-270-0420

[www.norristown.org](http://www.norristown.org)



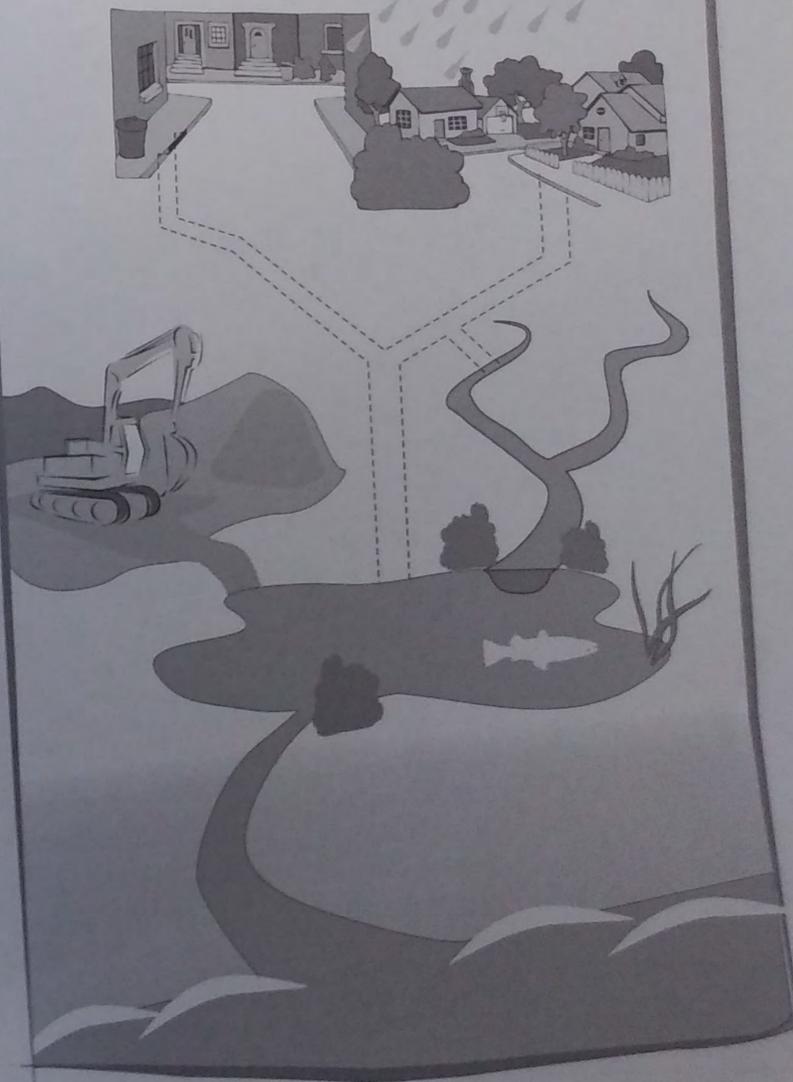
Pennsylvania Department of Environmental Protection

[www.dep.state.pa.us](http://www.dep.state.pa.us)

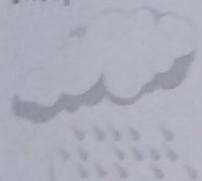
- Answers to Test Your Storm Sewer System Savvy:**
- 1. Ditch** - Part of the storm sewer system. Most people think that the system is just a series of underground pipes. It can also include ditches used to convey storm water from the land to a receiving lake, river, or stream.
  - 2. Fire Hydrant** - 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 stencil storm drains with "Do Not Dump" messages to let people know.
  - 4. Storm Sewer Outfall** - Part of the storm sewer system. An outfall is where storm water drains from the storm sewer system into a receiving lake, stream, or river. If there is a flow from an outfall when it isn't raining, there could be a problem with the system or someone has used a storm drain for illegally disposing of materials.
  - 5. Toilet** - Not part of the storm sewer system. Wastewater from sinks and toilets in houses and businesses travel through a sewer system constructed to carry sanitary wastes. In some instances, older 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 tanks to manage sanitary wastes on-site. Improperly maintained septic systems can leak and contribute pollutants to the storm sewer system, as well as directly to lakes, rivers, and streams.
  - 7. Roads and Other Paved Areas** - Not part of the storm sewer system. Roads and other hardened surfaces such as parking lots and sidewalks can accumulate pollutants (e.g., oil, grease, dirt, leaves, trash, pet wastes) that storm water eventually washes into the storm sewer system.
  - 8. Storm Drain Inlet** - Part of the storm sewer system. This is another example of what a storm drain may look like. Like the storm drain inlet shown in picture #3, anything that enters this drain will go directly to streams, rivers, and lakes without being treated first. It is important to recognize this as a storm drain to prevent it from being used as a trash can.

# 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?

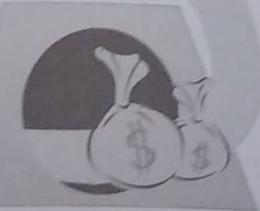


Rain is an important part of nature's water cycle, but there are times it can do more damage than good. Problems related to storm water runoff can include:



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

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



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

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

## Test Your Storm Sewer System Savvy!

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



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

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

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

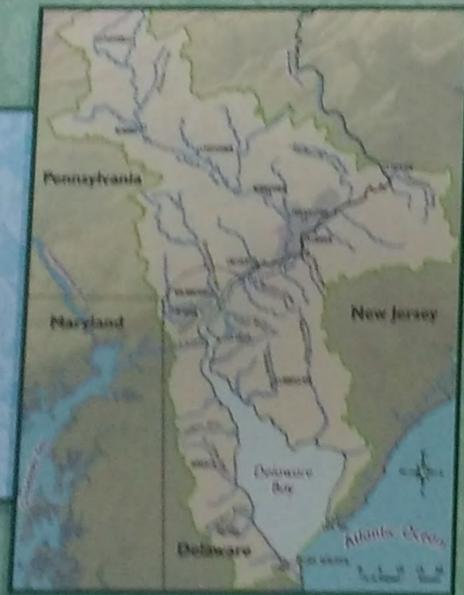


## RAIN GARDENS: GARDENS WITH BENEFITS!

Whether we get our drinking water from groundwater or our creeks and rivers, rainwater keeps it all flowing. It makes sense (as well as cents) to capture, protect, and conserve rainwater as naturally as possible.

Rain comes from nature, but stormwater runoff is manmade. During a common rain or snow storm, our roofs, sidewalks, and driveways create thousands of gallons of runoff that cause flooding and soil erosion. Stormwater runoff also carries pollution such as motor fluids, trash, lawn chemicals and bacteria into local waterways.

*In southeastern Pennsylvania, southwestern New Jersey, and most of Delaware, creeks flow to the Delaware River and Bay. The health of these vitally important waterways depends upon how we conserve and protect water resources far upstream.*



## OTHER WAYS TO SLOW THE FLOW AND REDUCE STORMWATER POLLUTION

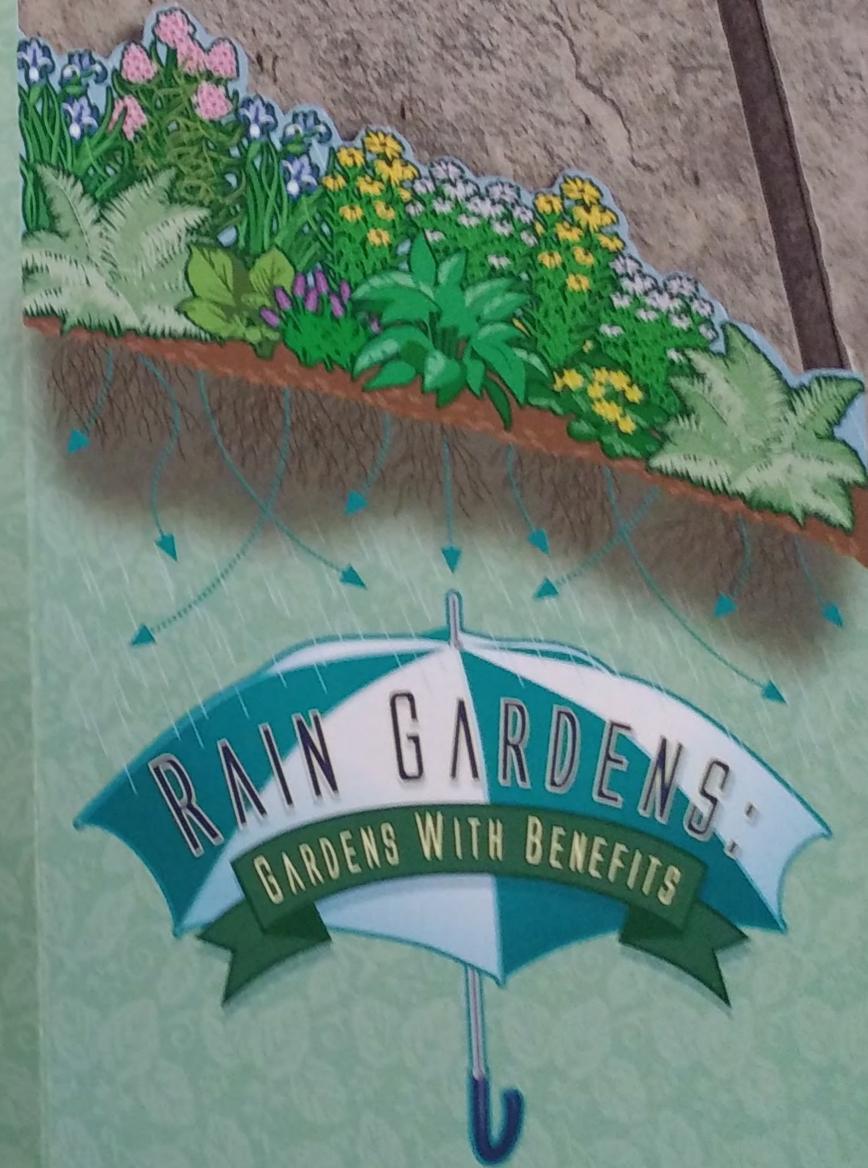
- **Grass-cycle**  
No need to chemically fertilize your lawn when you allow grass clippings to remain on the ground and compost naturally. Bonus — no raking required!
- **Use a rain barrel**  
They come in all shapes and sizes, and they help save money on your water bill! Water collected in rain barrels can be used to water gardens, potted plants, and wash down outdoor surfaces and vehicles!
- **Choose alternative pavements and pavers**  
Driveways, sidewalks, parking areas and pathways can be created with paving materials that allow water to soak through them and into the ground below.
- **Service your car and fuel with care**  
Oils and other engine fluids are extremely toxic. Regular maintenance of vehicles and being careful at the gas pump can prevent this pollution from leaking into our waterways.
- **Pick up the Poo**  
Pet waste is not a good natural fertilizer, but it is a great source of bacterial pollution when it gets washed into storm drains and local waterways. Flush it down the toilet or pick it up with a biodegradable bag and place it in the trashcan.
- **Keep litter off your sidewalks and streets**  
Trash in creeks and rivers gets there from someone throwing it on the ground. Rain carries it to the waterways. *Clean streets = clean streams!*
- **Choose less toxic products**  
Switching out toxic household cleaners, pesticides, etc. for more natural alternatives reduces household hazardous wastes and creates a healthier environment in and outside of your home.
- **Conserve energy**  
Turning down your thermostat in the winter, hanging laundry outside to dry, and using energy efficient light bulbs can help protect and conserve water because power production often requires water use.



The Partnership for the Delaware Estuary, a National Estuary Program, leads science-based and collaborative efforts to improve the tidal Delaware River and Bay, which spans Delaware, New Jersey, and Pennsylvania.



Partnership for the Delaware Estuary, Inc.  
110 South Poplar Street, Suite 202  
Wilmington, DE 19801  
1-800-445-4935  
[www.DelawareEstuary.org](http://www.DelawareEstuary.org)



## SOME RAIN GARDEN EXAMPLES:

Visit [www.raingardensforthebays.org](http://www.raingardensforthebays.org) to learn more about rain garden installation and care, and view local garden photos.



### RAIN GARDENS CAN:

- Reduce flooding in our communities.
- Filter pollution out of rainwater & melting snow.
- Protect and replenish drinking water supplies.
- Provide important food and shelter for wildlife.
- Replace wet areas with a lovely garden feature!



## HOW TO MAKE A RAIN GARDEN

Shaped like a bowl, a rain garden captures water and soaks it into the ground — just as nature intended! A simple rain garden slows and reduces the runoff that flows from your property while providing a lovely landscape feature. You can turn a spot in your yard into a beautiful garden — with benefits!

In most yards, a rain garden can be easily installed with the following 7 steps.

**1** Choose an area in your yard that gets water from your roof downspout or driveway runoff. Make sure the area is free of tree roots and at least 10 feet away from foundations and utilities.

**2** Dig a 4" to 8" flat-bottomed bowl in a shape and size of your choice. Use the dirt to create a ridge on the downhill side to help collect more rainwater. Ponding water should soak into the ground within 2 days so as to not breed mosquitoes.

**3** Check your soil to see if you have clay. Clay soils must be removed to create good drainage.

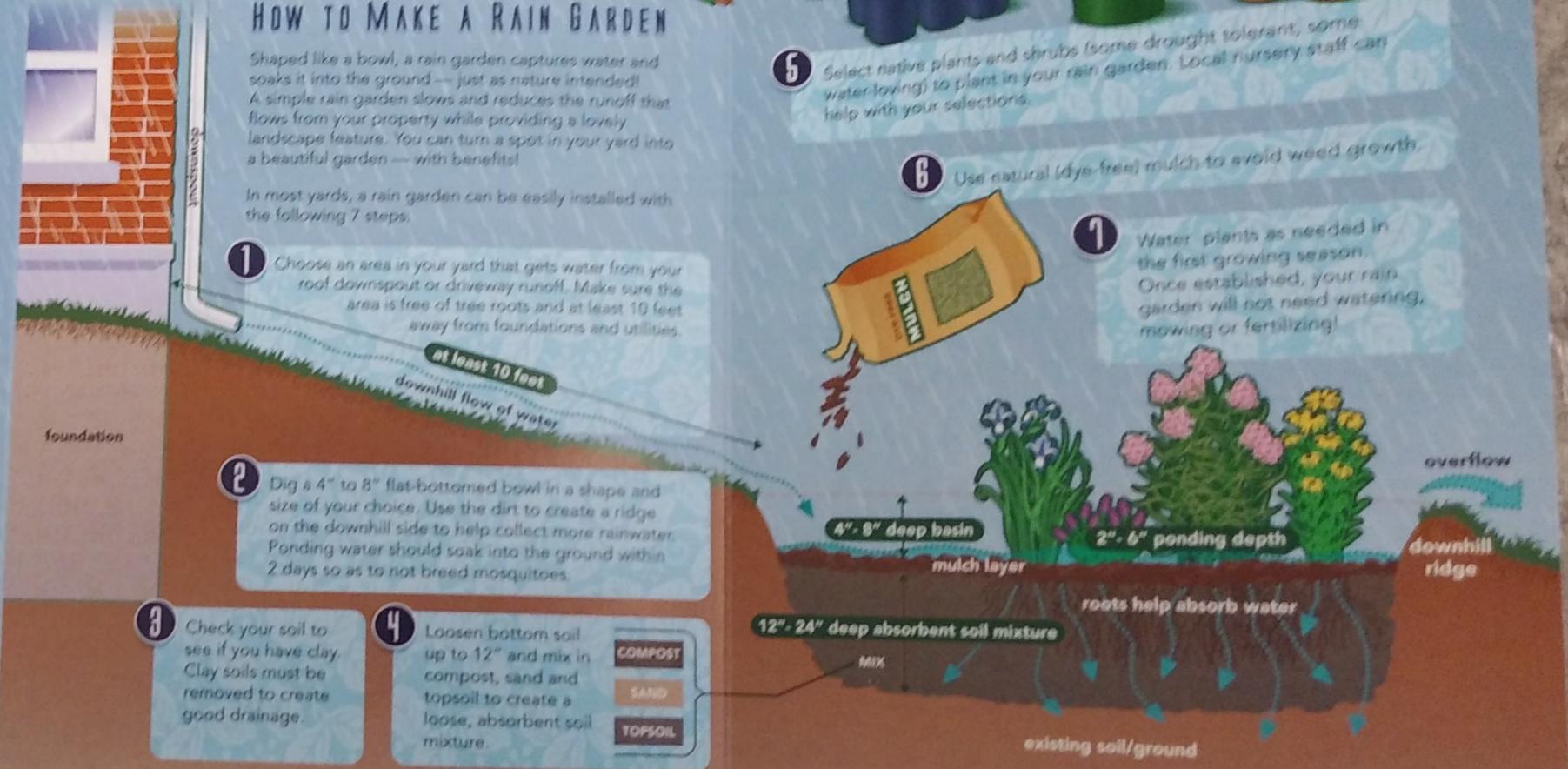
**4** Loosen bottom soil up to 12" and mix in compost, sand and topsoil to create a loose, absorbent soil mixture.



**5** Select native plants and shrubs (some drought tolerant, some water-loving) to plant in your rain garden. Local nursery staff can help with your selections.

**6** Use natural (dye-free) mulch to avoid weed growth.

**7** Water plants as needed in the first growing season. Once established, your rain garden will not need watering, mowing or fertilizing!

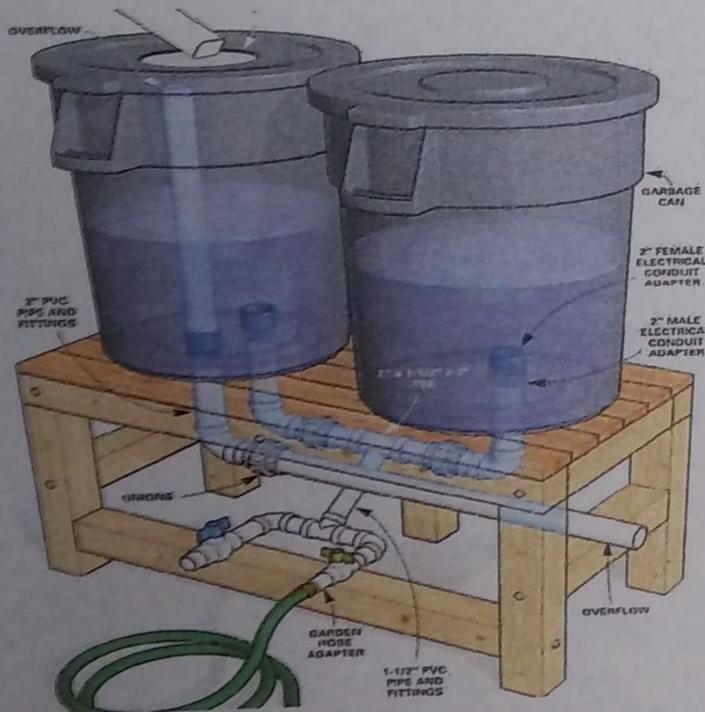


## Making A Rain Barrel

### Benefits of Rain Barrels

- Reduce rain water runoff from our roofs
- Reduce household water bills
- Garden water supply

Source: <https://www.familyhandyman.com/smart-homeowner/how-to-build-a-rain-barrel/amp/>



### Required Tools for this Project

Have the necessary tools for this DIY project lined up before you start—you'll save time and frustration.

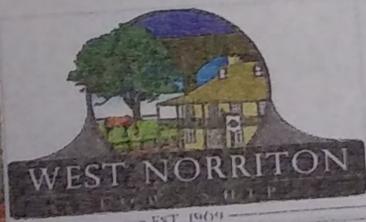
- Cordless drill
- Hole saw, 2-1/4 in

### Required Materials for this Project

Avoid last-minute shopping trips by having all your materials ready ahead of time. Here's a list.

- 2-in. female threaded electrical (gray PVC) conduit adapter
- 2-in. male threaded electrical (gray PVC) conduit adapter
- 4x4 treated lumber and construction screws or stainless steel lags, if you build a stand to elevate the rain barrel(s)
- 55-gal. barrel with lid
- Glue
- Screen
- Sections of 2-in. PVC pipe
- Silicone caulk
- Threaded electrical PVC coupler

- Cut holes in the bottom of barrels with a 2-1/4 hole saw
- Then screw in a 2-in. male threaded electrical (gray PVC) conduit adapter (electrical adapters aren't tapered like plumbing adapters, so you can tighten them down all the way). Squirt a thin bead of silicone caulk around the opening and screw on a threaded electrical PVC coupler to cinch the barrel between the two fittings. Next, glue together sections of 2-in. PVC pipe, unions (to make winter disassembly easier), reducers and valves. As long as you're at it, install an overflow pipe so you can direct the excess where you want it.
- Finally, cut a hole in one of the covers and mount a screen to filter out leaves and debris. Then just wait for the next big rain.



Environmental Advisory Council

<http://www.westnorritontwp.org>



**WEST NORRITON TOWNSHIP  
PARKS AND RECREATION**

**SPRING/SUMMER EDITION  
2019**

**DEPARTMENT STAFF:**

**Jonathan W. Dzedzy**  
Director  
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sdinolfi@wntwp.com  
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**Recreation Department**  
Main Number: 610-630-1251  
Fax: 610-630-0304



*2018 - 7/8th grade Girls  
Summer League Champs*



*Field Day At Summer Camp*



*Annual Egg Hunt*



## MISSION STATEMENT

The West Norriton Township Parks and Recreation Department is a professionally operated, multifaceted leisure services department. Our mission is based on a passion for enhancing the lives of our residents through recreation while maintaining a safe, clean environment. Our department fosters the responsibility for developing, supporting, and administering constructive recreational activities and facilities that will provide a richer community life for the residents of our township.

## Be sure to visit our website to see everything the West Norriton Parks and Recreation Department has to offer throughout the year!

From sports programs to trips to special events, you can find information on a variety of activities for all ages on our website, [www.westnorritontwp.org](http://www.westnorritontwp.org),

By navigating the parks and recreation page of the township website, residents are able to gain access to open registration times, program schedules, sponsorship opportunities, pavilion rental availability and more. While you're there, check out our photo gallery to view pictures of our programs and events.

From sports programs to trips to park updates to special events, you can find information on a variety of items and activities for all ages on our website, [www.westnorritontwp.org](http://www.westnorritontwp.org),

By navigating the parks and recreation page of the township website, residents are able to gain access to open registration times, program schedules, sponsorship opportunities, pavilion rental availability and more. While you're there, check out our photo gallery to view pictures of our programs and events.

## NOW ACCEPTING ON-LINE REGISTRATIONS!

The Parks & Recreation Department is pleased to announce that our on-line registration system is up and running. We now have the capability to accept registrations on-line. The new system allows users to take advantage of streamlining the registration process by signing up for any of our programs from anywhere at any time. The process is simple. All you need to do is go to [www.westnorritontwp.org](http://www.westnorritontwp.org), find the Parks & Rec page, create an account, chose the program you're interested in registering for and make your payment. We will still be accepting walk in registrations at the township building during normal business hours, but we encourage you to give the new registration system a try.

Please contact the Recreation Department with any questions regarding our new on-line registration system and we'll be more than willing to help.

## Join our Email list

To receive e-mail announcements which contain the most up to date information regarding various programs and events offered by the Recreation Department, email [sdinolfi@wntwp.com](mailto:sdinolfi@wntwp.com) or call 610-630-1251 and ask to have your address added to the list.

## Social Media

Look for a stronger social media presence in 2019 from the Parks and Recreation Department. Like us on Facebook (*West Norriton Township Parks and Recreation*) and follow us on Instagram (*wntwpparksandrec*).

## THINGS TO REMEMBER

### • School Closing Information

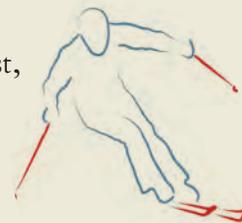
All activities held in schools are cancelled when:

- Schools are closed due to inclement weather
- Early Dismissal occurs due to inclement weather
- Schools are closed for holidays (unless otherwise noted on schedule)
- Special school events are being held at the school
- Any questions call our office at 610-630-1251
- Norristown Area School District closing number is 304.

## Discount Ski, Amusement Park, and Zoo Tickets

Discount Ski tickets are now available for purchase that includes Big Boulder/Jack Frost, Blue Mountain and Bear Creek.

Discounted tickets are also available for purchase for the Philadelphia Flower Show and the Elmwood Park Zoo!



Elmwood Park Zoo discount tickets are also available year round. Visit the Elmwood Park Zoo, featuring hundreds of animals primarily from North, Central and South America. Be sure to check out all that the Zoo has to offer in 2019, including a new red panda exhibit and a new carousel, as well as returning favorites, such as giraffes, Birds of Paradise and Treetop Adventures!

Discount Amusement Park Tickets will be offered beginning May 2019. They include Adventure Aquarium, Dorney Park, Hershey Park, Philadelphia Zoo, Six Flags Great Adventure (NJ), Morey's Pier and Splash Zone.

Tickets may be purchased at the West Norriton Township Building located at 1630 W. Marshall Street, Jeffersonville, PA 19403. Our hours of operation are Monday through Friday, 8:00 a.m. until 4:30 p.m. Tickets may not be purchased over the phone or through the mail. Cash or credit will be accepted. Tickets will not be held or reserved. Please note that there will be a 2% processing fee on all credit card transactions. There will be no refunds of exchanges! Call for pricing!

## West Norriton Sponsorship Opportunities!

We invite you to team up with the West Norriton Township Recreation Department as an event or team sponsor! Our Department has a long history of providing a variety of community events, activities and sports programs and we encourage your business to be part of that history by becoming a sponsor. By partnering with us, your business will gain exceptional visibility while making a positive impact on our community. Some of the benefits of becoming a sponsor include having your name added to our promotional flyers, placed on team jerseys and/or event staff shirts and posted on our website.

Please contact the Recreation Department at 610-630-1251 for more information or look for information on the website.



FOR DETAILS, VISIT:  
[WWW.MONTCOSENIORGAMES.COM](http://WWW.MONTCOSENIORGAMES.COM)  
Event guides will be available mid  
February 2019. Registration  
opens February 1, 2019.

\*SPACE LIMITED. REGISTER ONLINE TODAY AND SECURE YOUR SPACE!

# SAVE THE DATE!



# MAY

6 - 10, 2019



## From the Public Works Department

**YARD WASTE COLLECTION REMINDERS** "This collection runs April thru September".

- Pickups are scheduled for the 3rd Tuesday of each month weather permitting.
- Branches must be placed curbside by 10 a.m. on the 3rd Tuesday
- Only shrubbery, branches, limbs & garden residue allowed
- No stumps, weeds, grass, leaves, plastic bags or metal wire
- Materials must be piled neatly or placed in trash cans marked "yard waste"
- Limits: Individual branches – 6 in. dia. Or less; total per collection 2 cubic yards (6 trash cans)
- Improperly prepared materials will not be collected including large piles

Registrations will be taken Monday through Friday 8:00am – 4:30pm at the West Norriton Township Building, 1630 W Marshall St or by mail (see back of newsletter for registration form). Please make all checks payable to “West Norriton Township”. If registering by mail please call to find out exact starting dates and times for your program. We are strongly encouraging online registration @ [www.westnorritontwp.org](http://www.westnorritontwp.org).

## WEST NORRITON LITTLE LEAGUE BASEBALL



Founded in 1952, West Norriton Little League (WNLL) is a non-profit organization chartered by Little League International and administered by an elected Board of Directors. All positions

within WNLL are volunteer and non-paid. WNLL offers baseball programs for any child between the league age of 4 and 14 and who lives or attends school within the boundaries of West Norriton Little League may play. The following levels of play are offered:

League Description	Age	Born on or after	Born on or before
Tee-Ball (Boys and Girls)	4-5	9/1/2013	8/31/2015
Rookie	6	9/1/2012	8/31/2013
Farm	7-8	9/1/2010	8/31/2012
Minor	9-10	5/1/2008	8/31/2010
Major	11-12	5/1/2006	4/30/2008
Junior	13-14	5/1/2004	4/30/2006
Senior	15-18	5/1/2000	4/30/2004

Regular registration period is open now through February 15th. This year there will be a late registration period from February 16th thru February 23rd. If you register during the late registration period, you will be assessed a \$25 late fee. So don't delay!

Visit [www.WNLL.com](http://www.WNLL.com) to **REGISTER NOW!**



Players age 7-12 registered with WNLL for the 2019 season are required to attend a grading session on Saturday February 23rd, please visit [www.wnll.com](http://www.wnll.com) for more details.

**VOLUNTEER OPPORTUNITIES** - WNLL is always looking for volunteers to assist our organization. Any time you can spare, whether large or small, will be appreciated. If you are interested in helping provide a fun, safe and competitive baseball environment for the children of our community, please contact any member of the WNLL board. No experience is necessary!

**SPONSORSHIP OPPORTUNITIES** – Is your business looking to attract new customers and retain current customers? There is no better way than to advertise your business through a sponsorship of West Norriton Little League. For more information on the different sponsorship opportunities at WNLL, please contact our Fundraising Director, Gary DelBuono at [WNLLFundraisingDirector@gmail.com](mailto:WNLLFundraisingDirector@gmail.com).

For complete information on West Norriton Little League or to register your child for the 2019 season, please visit our website at [www.WNLL.com](http://www.WNLL.com) or contact League Player Agent Jeff Winters at [WNLLPlayerAgent@gmail.com](mailto:WNLLPlayerAgent@gmail.com).

## WEST NORRITON ADULT COED SOFTBALL

with umpires (Non-profit - A.S.A. Affiliated)

Sundays, April through early August, late morning through mid-afternoon at Padden Park (*Burnside and Oakland*), Heels Field, Stanbridge Street Park (*East Norriton*), Norristown High School. We also have a Fall League. Team registration will be taken until March. Availability is limited. Cost TBD.

For more information, contact George Gibson at [ggibson@wnces.com](mailto:ggibson@wnces.com) or 610-539-1573 or check us out at [www.wnces.com](http://www.wnces.com).

## KARATE

Tae Kwon Do taught by instructor Ray Capistrano, 3rd degree black belt in Tae Kwon Do and 2nd degree black belt in Kenpo. Students will gain confidence, self-esteem and discipline while learning practical self-defense techniques. The program will be held on Wednesday evenings. Location TBD. Beginning February 6, 2019 through May 1, 2019. (12 week session).

**Registrations** are currently being taken at the West Norriton Township Building. Deadline to register is February 1, 2019. No class April 17th..

**Ages: 5-9 year olds** 6:30 – 7:30 p.m.

**Ages: 10-14 year olds** 7:30 – 8:30 p.m.

Fee - \$70.00.

Please contact the Recreation Department or Ray Capistrano at 610-631-1574 for more information.



## SILVER CIRCLE (Senior Club)



Silver Circle (55+) Club meets the third Wednesday evening of each month, September through June, at 7 p.m. in the Jeffersonville Golf Club banquet hall.

Membership is \$5.00 a year and \$2.00 at the door for members and \$3.00 for a guest. Regular attendance and/or sign up are required for certain months. Look for a re-vamped entertainment schedule in 2019! Information and the monthly event schedule will be posted on the township website under the programs/Silver Circle page. Refreshments are served by the hospitality committee. All seniors are welcome. For additional questions, contact Chuck at 610-275-7185.

## BOYS AND GIRLS SOCCER

West Norriton boys and girls ages 4-10. Games and practices are held at the Norristown Area High School Soccer Fields. Games are played every Saturday morning beginning in early September.

4-5 years play at – 9:00 a.m.

6-7 years play at – 10:00 a.m.

8-10 years play at – 11:00 a.m.

Practices will be held at the coach's discretion.

**Registration** will begin August 1, 2018, Monday through Friday 8:00 a.m. – 4:30 p.m. at the Township Building. Deadline for registration will be September 1, 2018. Exact starting dates will be handed out at time of registration.

Age is determined as of 9/1/18.

\$50.00 (resident) per child

\$60.00 (non-resident) per child

**NO LATE REGISTRATIONS WILL BE ACCEPTED!**



## YOUTH FOOTBALL & CHEERLEADING



Norristown Youth Eagles, Inc. strives to build a strong sense of pride within in our student-athletes while giving them the chance to achieve positive recognition on the field, in the classroom and throughout the community. Work ethic, good sportsmanship, respect for authority and leadership are characteristics that our student-athletes will gain as they strive to achieve greatness within the community and within themselves. The Norristown Youth Eagles Football & Cheerleading program, (*Formerly Norristown Bandits*) completed its fifth season in the Inter County Football League with 7 teams that ranged from Kindergarten - 6th Grade and cheer teams. Playoffs are held for 5th and 6th grades. The I.C.F.L. has no weight limit, players will play with others from their current grade. Early discounted registration will begin in March. Take advantage! For more information, call 484-714-7666 or visit <http://www.norristownyoutheagles.com/>.

## ZUMBA

Perfect for everybody and every body! Each Zumba® class is designed to bring people together to sweat it on.

### How It Works

We take the “work” out of workout, by mixing low-intensity and high-intensity moves for an interval-style, calorie-burning dance fitness party. Once the Latin and World rhythms take over, you’ll see why Zumba® Fitness classes are often called exercise in disguise. Super effective? Check. Super fun? Check and check.

### Benefits

A total workout, combining all elements of fitness – cardio, muscle conditioning, balance and flexibility, boosted energy and a serious dose of awesome each time you leave class.

### Winter Session (8 Weeks)

Tuesdays 7:00 p.m. – 8:00 p.m.  
Feb. 5 – March 26  
Cost: \$65.00  
Location: Whitehall Elementary

### Spring Session (8 Weeks)

Tuesdays 7:00 p.m. – 8:00 p.m.  
April 23 – June 11  
Cost: \$65.00  
Location: Marshall Street Elementary



## ZUMBA GOLD

*Learn the Moves Active Older Adults Want*

Zumba® moves designed for active older adults or those looking for a low-impact workout. Reach the largest growing segment of the population, and learn how to effectively address their unique anatomical, physiological and psychological needs.

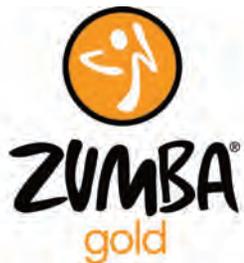
### Winter Session (6 weeks)

Tuesdays: 6:00 p.m. – 6:45 p.m.  
Feb. 5 – March 12  
Cost: \$50.00  
Location: Whitehall Elementary

### Spring Session (6 weeks)

Tuesdays: 6:00 p.m. – 6:45 p.m.  
April 23 – May 28  
Cost: \$50.00  
Location: Marshall Street Elementary

Registration is currently being taken for winter session fitness classes until 2/1/19. Registration will begin March 11, 2019 for spring session fitness classes and will be taken until 4/12/19. No late registrations!



## DRAMA CAMP

## THEATRE HORIZON

*Boys and Girls Ages 7-12*

Theatre Horizon Summer Camp supported by the West Norriton Township Recreation Department.

This action-packed drama camp is taught by professional actors of Theatre Horizon. Young actors spend the week working as a team to create a play full of drama, comedy, suspense, mystery, and action! They are guided through playwriting, improvisational games, and drama exercises that build skills and boost self-confidence. Students will learn the basics of stagecraft, how to speak loudly and clearly, how to work in teams and how to accept and respect others' ideas. On the last day, they perform their world premiere play for an audience using props and costumes. Curtain up! (Love the camp? Each week will be a completely different show, so feel free to sign up for more than one!)

### Dates and Times:

Week 1: Monday, August 5, 2019 –  
Friday, August 9, 2019, 9 a.m. – 3 p.m.

Week 2: Monday, August 12, 2019 –  
Friday, August 16, 2019, 9 a.m. – 3 p.m.

**Location:** Jefferson Firehouse

**Cost:** \$150/child

**Performance:** 2pm on Friday

**What to bring:** A lunch, drink and a snack

**What to wear:** comfortable clothing and shoes – no skirts or flip-flops please!

For more information, call the Recreation Department at 610-630-1251 or Theatre Horizon at 610-283-2230 or go to [www.theatrehorizon.org](http://www.theatrehorizon.org).

Registration will be taken May 6, 2019 until July 26, 2019 at the Township Building or online! Limited space available. If you are paying by check all payments should be made to West Norriton Township.

**good for you.  
good for all.**  
PENNSYLVANIA PARKS & RECREATION

## TENNIS

The spring tennis clinic is designed for junior players of all skill levels with an emphasis on drills and play for intermediate students and on stroke mechanics for beginners. Bob Green is a former U.S.T.A. Player Development Coach with Area Training Center experience and is a USTA / PTR Certified Instructor. Must bring a leak proof water bottle and tennis racket!

Below programs are offered at \$115.00 based on 4 to 8 players.

<b>Spring (8 weeks)</b>	<b>Ages 4-6</b> Children with limited or no experience. Focus on mechanics of stroke. Games will be played as a teaching technique.	<b>Saturdays:</b> 2:00 p.m. – 3:00 p.m. <b>Fee:</b> \$115 <b>Dates:</b> <u>Saturdays</u> beginning April 27 <sup>th</sup> - June 22 <sup>nd</sup> No class May 25 <sup>th</sup>
	<b>Ages 7-12</b> Children with limited or no experience. Focus on ball contact, stroke and footwork. Games will be played as a teaching technique.	<b>Saturdays:</b> 3:00 p.m. – 4:00 p.m. <b>Fee:</b> \$115 <b>Dates:</b> <u>Saturdays</u> beginning April 27 <sup>th</sup> - June 22 <sup>nd</sup> No class May 25 <sup>th</sup>

<b>Summer (8 weeks)</b>	<b>Ages 4-6</b> Children with limited or no experience. Focus on mechanics of stroke. Games will be played as a teaching technique.	<b>Saturdays:</b> 2:00 p.m. – 3:00 p.m. <b>Fee:</b> \$115 <b>Dates:</b> <u>Saturdays</u> beginning August 10 <sup>th</sup> – October 5 <sup>th</sup> No class August 31 <sup>st</sup>
	<b>Ages 7-12</b> Children with limited or no experience. Focus on ball contact, stroke and footwork. Games will be played as a teaching technique.	<b>Saturdays:</b> 3:00 p.m. – 4:00 p.m. <b>Fee:</b> \$115 <b>Dates:</b> <u>Saturdays</u> beginning August 10 <sup>th</sup> – October 5 <sup>th</sup> No class August 31 <sup>st</sup>

Registrations will be taken Monday thru Friday, 8:00 a.m. – 4:30 p.m. at the Township Building, online or by mail once registration opens.

Registration for the spring session will begin 2/4/19 until 4/5/19. Registrations for the summer session will begin 4/8/19 until 6/14/19.

## BOYS AND GIRLS SUMMER BASKETBALL LEAGUES

*Incoming 5th/6th grade and 7th /8th grade leagues.*

Looking for a well-run local spring/summer league to keep your team in a competitive mode? The West Norriton Summer Hoops league is exactly what you're looking for!

**Registration** is taken on a team basis only. Play begins in late May/early June. Games are played at The Jefferson Fire House courts (85 School Lane). For more information or to register a team, call Whitney Davis at 484-681-0487 or the Recreation Department.

## NORRISTOWN AREA AQUATICS CLUB



**Our mission is to...**

Promote amateur swimming and diving in the Greater Norristown area. Provide instruction for new and developing swimmers and divers. Improve the skills of advanced swimmers and divers. Encourage teamwork and sportsmanship. Offer competitive swimming and diving opportunities for all levels of skill.

**We do this by providing...**

A USA certified lead coach. An experienced coaching staff. Beginners / Minis Team. Extended season clinics. Team parties. End of season awards banquet. For more information please visit [www.norristownaquatic.org](http://www.norristownaquatic.org)

## FAMILY MOVIE NIGHT

*Save the Date!*

Our Annual Family Movie Night will be held again this summer at Padden Park on Saturday August 24, 2019.

Bring the family out for a fun night under the stars! As always, this is a FREE event. Look for additional information on the Township website soon.





# WEST NORRITON Township Annual Egg Hunt



**\*\*\*Rain or Shine\*\*\***

SUPPORTED BY THE WEST NORRITON RECREATION DEPARTMENT AND  
THE WEST NORRITON RECREATION COMMITTEE.

West Norriton boys and girls  
Ages – 1 through 8 years old.

**Location:** Firehouse Recreation Site  
(85 School Lane)

**Date:** Saturday, April 20, 2019.

**Time:** 10:00 AM

**Special Guest appearances and prizes!**

**Get your picture taken with  
The Easter Bunny!!!**

**Interested sponsors** - please call the  
recreation department at 610-630-1251.



# WEST NORRITON Township

## SUMMER DAY CAMP

Boys and Girls ages 5 to 13

*(Must be 5 years old by June 1st, 2019)*

*\*Proof of age required for any child under 6 years old \**

Camp will run 6 weeks from Monday, June 24, to Friday, August 2, 2019. Our Summer Day Camp Program's daily hours will be 8:45 a.m. to 3:00 p.m. – Monday through Friday. No Camp – Thursday July 4th or Friday July 5th.

**Location:** Marshall St Elementary School.

Among the various activities offered will be Arts & Crafts, daily sports activities, special guest appearances/presentations and day trips, such as movies, bowling, miniature golf, the theatre and Mermaid Lake.

**Cost: Resident** - *(Valid Proof of Residency required)*

1 child \$300.00. 2 children \$550.00.

Each additional child \$275.00

**Non Resident** - 1 child \$400.00. 2 children \$750.00.

Each additional child \$375.00

*Registration fees do not include trips.*



**REGISTRATIONS WILL BE OPEN TO WEST NORRITON RESIDENTS ONLY APRIL 8, 2019 THROUGH APRIL 19, 2019. OPEN TO ALL APRIL 22 – JUNE 7, 2019. REGISTRATION PACKETS WILL BE AVAILABLE AT THE TOWNSHIP BUILDING BEGINNING APRIL 8, 2019. \*NO LATE REGISTRATIONS WILL BE ACCEPTED\***  
**REGISTRATIONS WILL BE TAKEN ON A FIRST COME, FIRST SERVE BASIS ACCORDING TO THE SCHEDULE ABOVE OR UNTIL MAX CAPACITY IS REACHED. LIMITED SPACE AVAILABLE**

# WEST NORRITON TRIPS -2019

## Township



### Resorts Casino, Atlantic City, NJ

Tuesday, February 19, 2019 - Cost \$30

Depart at 9:45am from Centennial Field.

Receive \$25 in slot play. Leave AC at 4:30pm to arrive home at 6:30pm.



### 12 Night Cruise to Southern Caribbean

on RCL's Anthem of the Seas - March 3rd-19th 2019

Leave Cape Liberty, NJ in a balcony cabin to visit San Juan, St. Maarten, Antigua, St. Lucia, Barbados and St. Kitts and Nevis. Call to obtain a brochure (*This trip is currently filled*). Call to be added to the waiting list.



### Medieval Time, Lyndhurst, NJ

Saturday, April 13, 2019 - Cost \$73

Depart from Jefferson Fire Company, 85 School Lane, Jeffersonville, PA at 11:30am. Afternoon show and meal at 2:00pm. A live horse show in an enclosed arena. Meal consists of soup, chicken, potato, corn, cake and coffee. The cost includes bus, show, meal, tax, tips for server and bus driver.

For more information, call Florence Bruno at 267-226-0873. Payment must accompany reservation.  
Send check to Florence Bruno, 833 Horsham Rd. Horsham, PA 19044.

# WEST NORRITON

## Township

# COMMUNITY DAY

Saturday, May 18, 2019 • 12 Noon - 4 p.m. • Norristown Area High School

### All Day Events

- Showtime DJ's
- BOING Bounce Inflatables
- Norristown-Montco. Public Library Bookmobile
- Ambulance Display
- Fire Truck Display & Demonstration
- Norristown Rotary Club – Bike Drive
- CMSWAT Tactical Team
- Montco. Sheriff's Department & K-9 Unit
- Food Vendors

Live Band will perform from  
6:30 p.m. – 9:00 p.m.

### Fireworks @ Dusk

Rain Date – Fireworks Only - Sunday, May 19, 2019

**Fun, Food & Games!**  
**A DAY FOR FAMILY FUN!**

### Special Appearances

- 101.1 More FM
- Costumed Characters
- Temporary Tattoo Artists
- Pony Rides
- Strolling Magician
- Stilt Walker
- PennStar Helicopter Landing



## WEST NORRITON TOWNSHIP PARKS AND PLAYGROUNDS

The West Norriton Township parks system consists of 7 parks located in various areas of our township. Maintaining our parks is a continual process and we are constantly looking for ways to make improvements to each of one of them.

### Centennial Park (13.5 acres)

Centennial Park is located at 2050 W. Marshall St. Its features include (3) baseball fields, (2) softball fields, batting cages, and a newly installed walking track.



### Padden Park (8.5 acres)

Padden Park is located at 2101 Oakland Drive. Its features include a softball field, soccer kickboard, including Zachary Wallace Playground, walking track, and pavilion available for rent.

### Oxford Circle Park (.25 acres)

Oxford Circle Park is located on Park Drive. The park features a newly installed playground.

### Betzwood Park (1 acre)

Betzwood Park is located on Hillside Drive. The park features a basketball court and newly installed playground.

### Jefferson Firehouse Recreation Site (3.5 acres)

Jefferson Firehouse Recreation Site is located at 85 School Lane. It features (2) newly reconstructed basketball courts, (4) newly reconstructed tennis courts, a newly installed playground, and a pavilion which is available for rent.

### Squire Croft Park (1 acre)

West James Street

### VanLandeghem Park (14.5 acres)

Eagle Drive

### Newly installed Butterfly Garden at Padden Park

On Saturday October 20, 2018 a Butterfly Garden was installed at Padden Park by volunteers from the Rotary Club of Norristown and the Norristown Dragon Boat Club.

Special Thanks to Robin Parker, Tom McGinn and John Heyser for their assistance with the project. We encourage everyone to come check out the garden and the beautiful creatures it will attract this spring and summer.

### Pavilion Rentals

Looking for a space to hold a children's birthday party or a small group gathering? Consider reserving one of our pavilions. With locations at 2 of our most popular parks, our pavilions provide an ideal outdoor setting for any spring, summer or fall party. Both pavilions are located within steps of newly renovated playgrounds. A \$50 rental fee will be charged for use of the picnic area for a maximum of 4 hours. Complete the park permit application available on the township website or at the township building. Applications must be submitted at least 14 days in advance for approval. Contact the Recreation Department for availability.



## JEFFERSONVILLE GOLF CLUB

JEFFERSONVILLE, PA

### *Online Tee Times, Course Improvements and More...*

Please check out our exciting re-designed website! We offer online tee times and continue to make web improvements that in 2019 will feature an improved course guide and hole-by-hole flyover. It is, and will continue to be, a great source of information for all golfers.

We have many fabulous plans for the future at Jeffersonville Golf Club, including a new pro shop, restaurant and banquet hall. We look forward to sharing it with all of you.

The 2018 golf season has been very challenging to say the least, as we endured the worst weather in my 24-year PGA career. But despite the poor weather conditions, our golf course superintendent, Rich Shilling, and his staff, have done a remarkable job keeping the course in fantastic condition!

There have been many exciting improvements over the last two years, highlighted by bunker complexes and tree removal. Our tree removal project focused on eliminating unhealthy trees for safety reasons, and allowing the turf grass to flourish. Meanwhile, the restoration of many sand bunkers, and the complete renovation of fairway bunker complexes on the 2nd and 17th holes, are incredible improvements to the golf experience at Jeffersonville. With so many improvements, we invite you to **grab your sticks and come out to play! It won't take you long to see why we are rated in the TOP 10 for public golf courses in Pennsylvania.**

Just a lob wedge from our first tee, Putter's Bar & Grille offers a wonderful menu at very reasonable prices and two 50-inch televisions to keep you entertained. Putter's also offers top-notch catering services for not only the golf course, but for corporate and personal parties as well. Even if you're not playing golf, stop in for lunch and enjoy all they have to offer.

On top of all the course improvements and the busy summer of play, we have kept busy conducting many golf lessons. We provide a wide variety of game improvement lessons for golfers of any age and skill level, including course management, short game and full swing. Whatever your level, we have a way to help you improve and enjoy golf more than ever.

The Jeffersonville Golf Association (JGA) had another successful tournament season. Joining the JGA is a great way to compete in many fun tournament formats. It's also a great way to meet new golf partners. Golfers of varying skill levels are always welcome, and using handicaps ensure that all golfers can compete with each other.

In other organized play, the Philadelphia Pub Links Organization continued its tradition by holding its individual championship for the 10th consecutive year at Jeffersonville Golf Club. More than 100 of the area's best amateur golfers participated this year and only one golfer shot under par. The winning score was a one-under-par, 69. This is certainly a testament of the challenge that our Donald Ross designed golf course provides, and to course superintendent, Rich Shilling, and his staff.

Our golf shop has the lowest prices in the entire area and offers a wide variety of golf merchandise. We have accounts with every major company and can order any item that golfers need. We also offer gift cards in any denomination for the shopper who isn't sure what to buy their favorite golfer.

*We hope to see everyone out on the golf course soon!*

**Website:** [www.jeffersonvillegolfclub.org](http://www.jeffersonvillegolfclub.org)

**Pro Shop Phone:** 610-539-0422

**Golf Lessons:** Michael Housley, PGA Professional/Director of Golf: 610-220-5522

**Putter's Bar & Grille:** 484-681-5452

**Banquets & Events:** 484-681-5451





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1630 West Marshall Street  
Jeffersonville, Pennsylvania 19403-3236

**West Norriton Township  
Board of Commissioners:**

President: Martin Miller  
Vice President: Judith Eckles  
Brian Kennedy, David McKenzie, Rosanne Milazzo  
Township Manager: Jason Bobst

**West Norriton Township  
Parks & Recreation Committee Members:**

Mike Kinsey (Chairman)  
Karen Delpha  
Greg Estright  
Mike Evans  
Ralph Panzullo  
Matt Newell  
Jim Rittinger

**House Numbers**

*Help us find you:*

Township emergency services cannot find you if they can't see you. House numbers must be 4" inches and visible from the street. House numbers should not be blocked by vegetation.

**REGISTER BY MAIL**

Send Registration Form with Payment to:

West Norriton Parks & Recreation Department, 1630 West Marshall Street, Norristown, PA 19403

This form may not be used to register for our Summer Day Camp Program. Registration Packets for Summer Camp will be available at the Township Building April 8, 2019.

Participant Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_ Work/Cell/Phone/Contact \_\_\_\_\_

Birth Date \_\_\_\_\_ Age \_\_\_\_\_ Shirt Size (YM-AXL) \_\_\_\_\_ M \_\_\_\_\_ F \_\_\_\_\_

Activity Choice \_\_\_\_\_

Location \_\_\_\_\_

Day \_\_\_\_\_ Time \_\_\_\_\_ Dates \_\_\_\_\_

Email \_\_\_\_\_



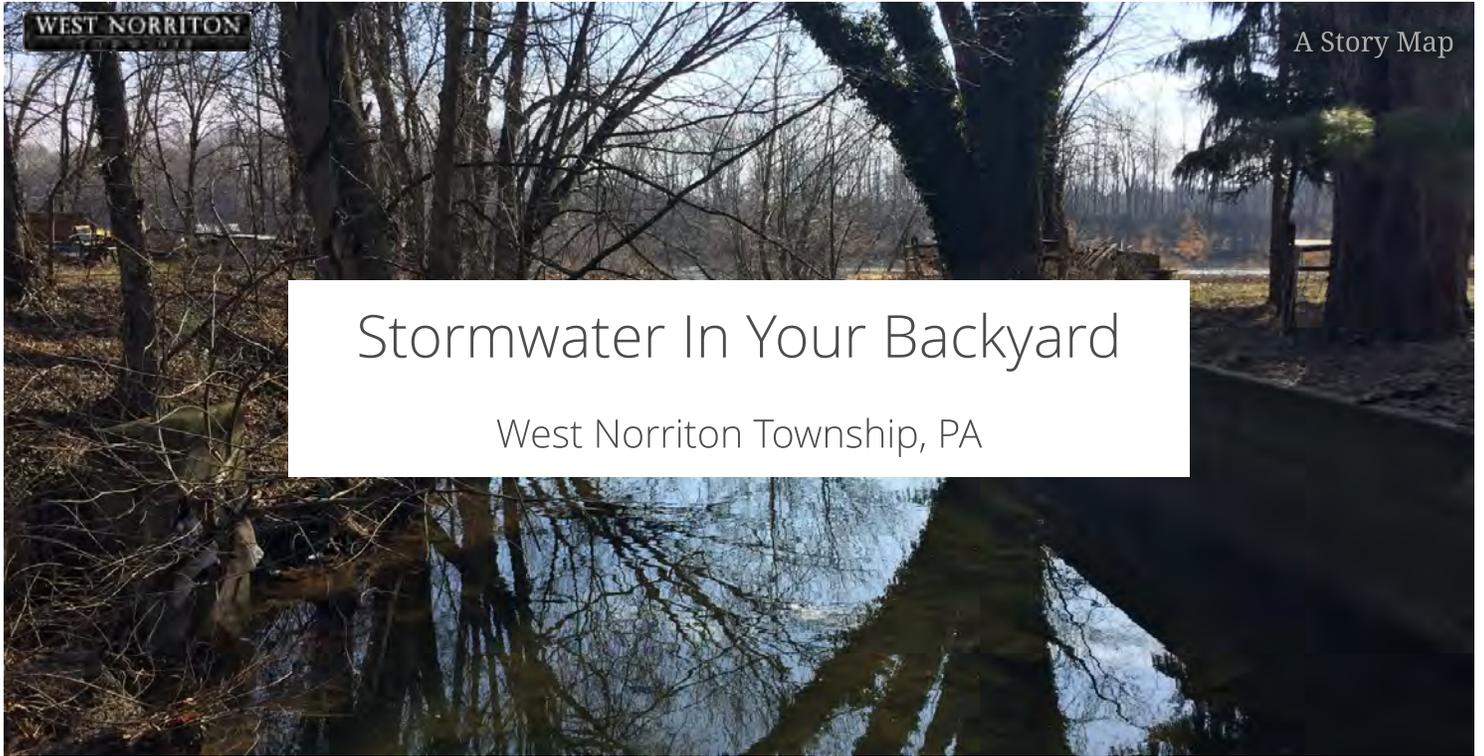
**Please call West Norriton Recreation Department at 610-630-1251 for starting dates and times.**

The undersigned individual, (parent or guardian if under age 18) represents that the registrant is in good health and can participate in the above listed activity, and also, with prior knowledge of the physician nature of the activity releases West Norriton Township and the Norristown Area School District from any and all responsibility for injury to the registrant through negligence or otherwise, while he/she is participating in the activity. The undersigned individual also hereby gives permission to Parks & Recreation to use photographs of the participant for the promotion of Parks and Recreation events and programs.

Parent, Guardian, or Adult Participant Signature \_\_\_\_\_

This story was made with [Esri's Story Map Cascade](#).

Read it on the web at <https://arcg.is/1bKq8i>.



Have you ever wondered where all that water that gushes into a storm drain ends up? The journey does not end there...

This story map provides a summary of the stormwater journey, including what stormwater contains, how it is managed, and its impacts on West Norriton Township streams and the community.

## What is Stormwater?



Stormwater runoff is generated when precipitation from rain and snowmelt events flows over land or impervious surfaces and does not percolate into the ground. As the runoff flows over the land or impervious surfaces such as paved streets, parking lots, and building rooftops it accumulates debris, chemicals, sediment or other pollutants that can adversely affect water quality. The primary method to control stormwater discharges is the use of best management practices (BMPs).

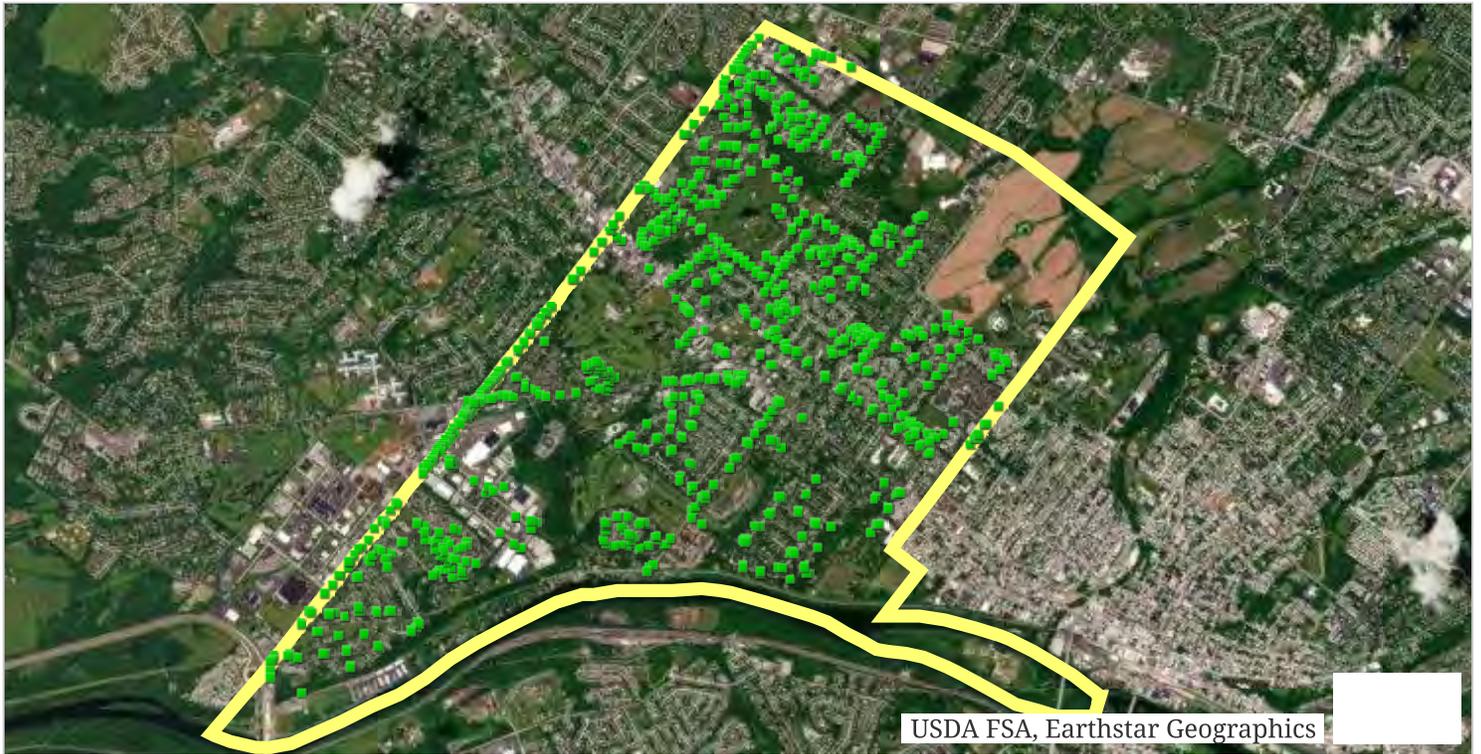


Source: StormwaterPA

Video: [www.youtube.com/watch?v=b5NOSufD3do](https://www.youtube.com/watch?v=b5NOSufD3do)

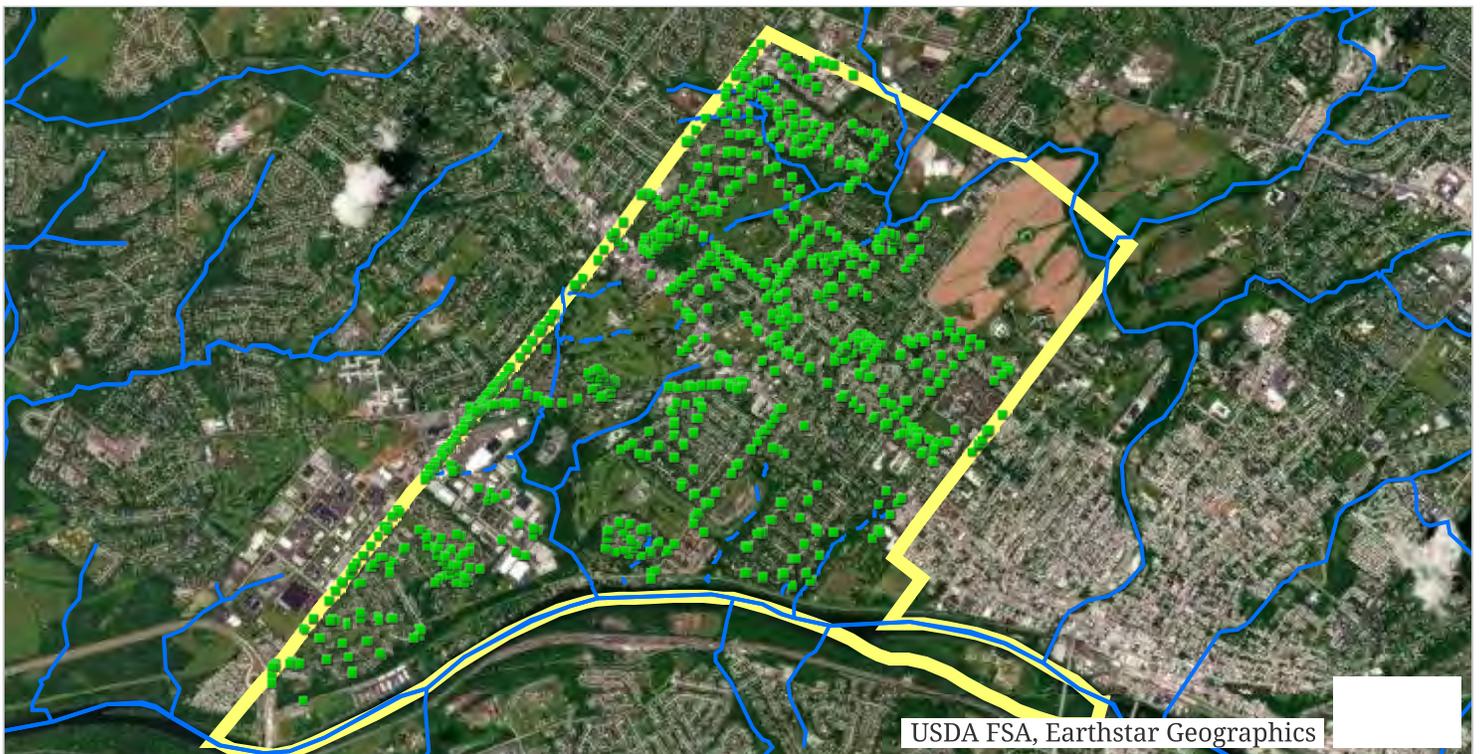
Let's learn more about stormwater in West Norriton Township!

**West Norriton Township has...**



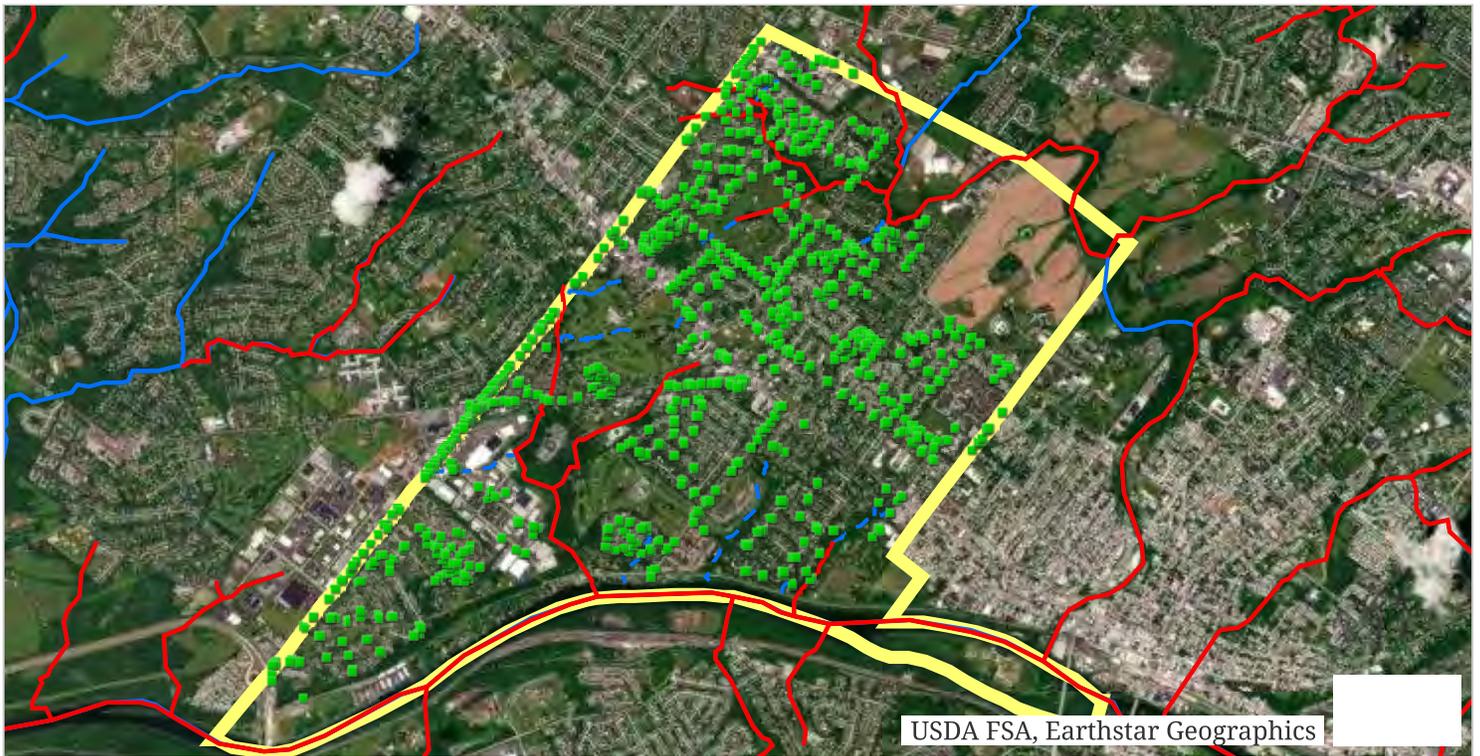
**1,282 Storm Drains**

**14 Miles of Stormwater Pipes & Swales**



**14 Miles of Streams**

This includes: the Schuylkill River, Stony Creek, Indian Creek, and all of the tributaries that flow to those surface waters.



### 13 Miles of Impaired Streams

These streams are impaired due to sediment loads in excess of water quality standards. All of these streams will eventually discharge to the also impaired Schuylkill River.



### 44 Stormwater Outfalls

An outfall is the point where stormwater discharges to a surface water coming from the Township's impervious cover that runs off and drains through the municipal storm sewer system including inlets, culverts, pipes, and swales.

Now that we have learned about West Norriton Township's storm sewer system and introduced the streams and their water quality within the Township's Boundary, it is time to learn how stormwater is regulated within the Township.

## How is Stormwater Regulated?



In Pennsylvania, DEP administers the EPA mandated National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) program. Municipalities, including West Norriton, are required to implement a number of programs and practices to comply with these requirements.

### **The ultimate goals for the MS4 program are to:**

- Increase awareness of stormwater as a point-source
- Manage stormwater for quality and quantity control

## What is MS4?



A Municipal Separate Storm Sewer System (MS4) is any municipal-owned stormwater conveyance or system of conveyances. i.e. Township roads, ditches/swales, and stormwater pipes. West Norriton has to comply with the NPDES MS4 permit through 6 Minimum Control Measures (MCMs):



**MCM #1) Public Education & Outreach**

**MCM #2) Public Involvement/Participation**

**MCM #3) Illicit Discharge Detection & Elimination**

**MCM #4) Construction Site Stormwater Runoff Control**

**MCM #5) Post Construction Stormwater Runoff Control**

**MCM #6) Pollution Prevention/Good Housekeeping**

Stormwater affects humans, plants, animals, and other aspects of our environment. Uncontrolled stormwater runoff causes flooding in neighborhoods and communities, can negatively affect the quality of drinking water, results in loss of wildlife habitats, and causes increased erosion. In some cases, stormwater runoff can alter an entire watershed.

## What is an Illicit Discharge?



An illicit discharge is generally any discharge to a municipal separate storm sewer (MS4) that is not composed entirely of stormwater. Examples of illicit discharges include:



Dumping of motor

Leaf litter, trash,  
grass clippings

Pet Waste

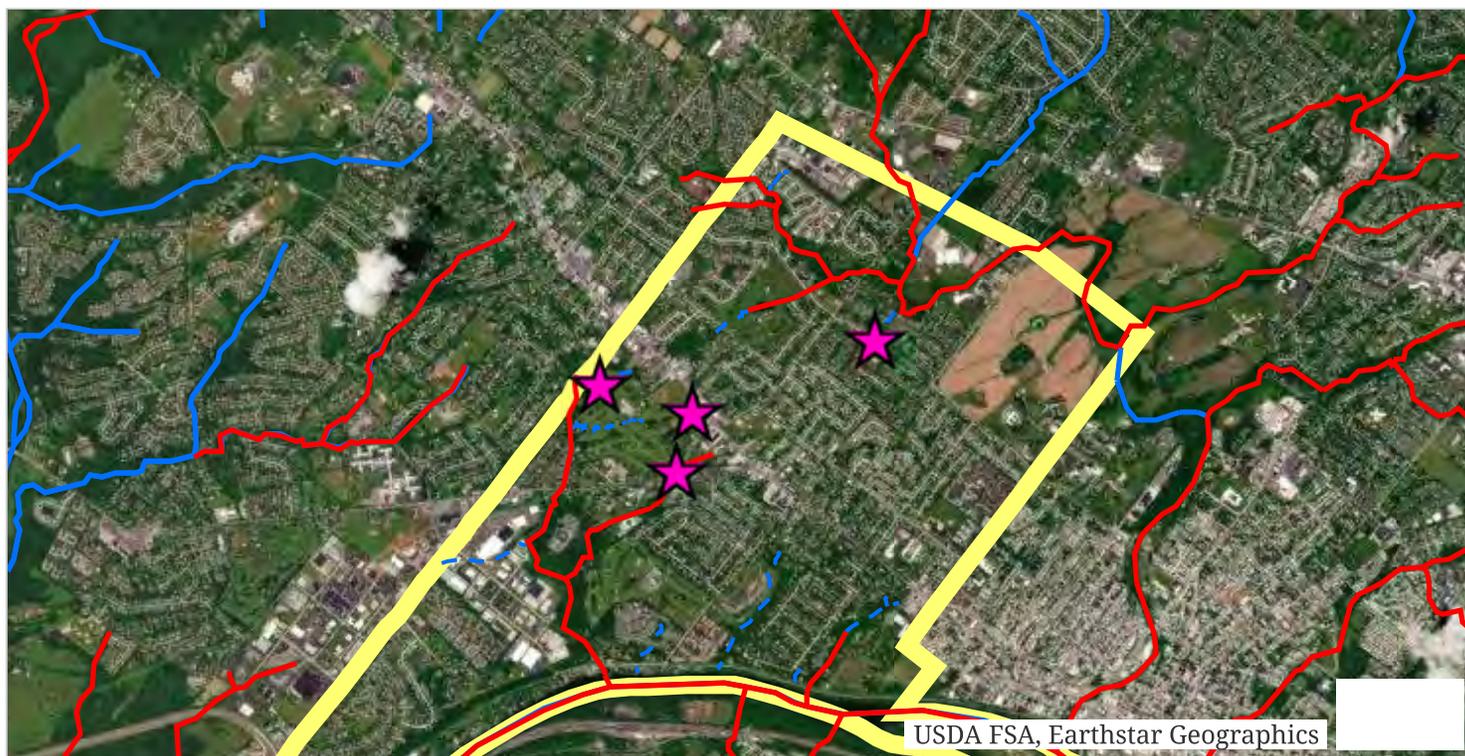
household hazardous  
wastes

Common indicators of illicit discharges include abnormal odors, strange colors, or oil sheen present around or inside storm inlets or pipes. Keeping harmful substances out of our water benefits everyone; environmentally and economically.

If you suspect an illicit discharge, please contact the Township at (610) 631-0450.

To prevent illicit discharges from entering our streams, Best Management Practices (BMPs) should be implemented. The U.S. Environmental Protection Agency (EPA) defines BMPs as: "...schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States..." Let's learn about West Norriton Township's Best Management Practices!

**West Norriton is Doing Their Part!**



West Norriton Township is doing their part by implementing **Best Management Practices (BMPs)** to reduce the stormwater impacts on the impaired streams. Combined, these BMPs will reduce ~65,800 lbs/yr of sediment that would have drained into the Schuylkill River!

Click on each **BMP (Star)** to see what they are how much reduction in sediment is anticipated.

Public education and participation are essential and important elements of a successful MS4 program to ensure comprehensive management of stormwater. In developed communities, each resident has a role to play in reducing stormwater impacts around the home, and each citizen has a voice in how their community should grow and develop in the future. Below are some examples of BMPs that can help you reduce stormwater pollution!

## Here is what YOU can do!



Use best practices on your lawn!



The Homeowner's Guide to Stormwater: Healthy Lawn Care (6 of 6)

Video: [www.youtube.com/watch?v=6dTVw70ipmY](http://www.youtube.com/watch?v=6dTVw70ipmY)

Set up a rain barrel on your property!



Rain Barrels: Small Investment, Big Benefits

Video: [www.youtube.com/watch?v=rSBKqFrzoZA](http://www.youtube.com/watch?v=rSBKqFrzoZA)

As we've established, stormwater management is essential to the community and to the environment. However, to properly construct, operate and maintain a municipal separate storm sewer system (MS4) a significant expense is required.

## Funding Challenges



West Norriton Township is facing many stormwater issues including: increased NPDES MS4 permit requirements, drainage, erosion, flooding, capital infrastructure.

**Here are some ways that Townships fund stormwater projects and maintenance:**

1) General Fund

2) Grants

3) **Stormwater Fee (Stormwater Utility)**

- Fee provides a dedicated stream of funding to manage stormwater issues

- Users can be charged according to their contribution
- Can offer credits, rebates, offsets
- Allows a proactive approach to capital improvements

Please monitor stormwater inlets near your property. No one should dump anything into the storm sewer system. If you see someone dumping, please call the Township at (610) 631-0450. For more information, click on the links below:

[West Norriton Township](#)

[U.S. Environmental Protection Agency](#)

[Pennsylvania Department of Environmental Protection](#)



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This Story Map was created for [West Norriton Township](#) by [CEDARVILLE Engineering Group, LLC](#). For questions, please contact CEDARVILLE at (610) 705-4500 or [info@cedarvilleeng.com](mailto:info@cedarvilleeng.com).

February 5, 2019

President of the Board Miller, convened the work session at 7:00 p.m. on the above date. Present were Commissioners Eckles, Kennedy, McKenzie and Milazzo. Also, present were: Jason M. Bobst; Sean Kilkenny, Esquire; Kathy K. Frederick; A. Dale Mabry; Michael Kelly; Donna Horn; Michael Valyo; Jonathan Dzedzy; Erik Garton; and Ed Brown. There were fourteen (14) people in the audience.

After reciting the Pledge of Allegiance, the meeting proceeded.

**President's  
Comments**

Mr. Miller requested a moment of silence for the passing of Edward Coughy, former Township Treasurer/Tax Collector, and Nicholas Stefano, 64-year member of the Jefferson Fire Co. No. 1.

Also, it was announced by Mr. Miller that an executive session of the Board was held prior to the meeting to discuss pending litigation.

**Presentations:**

TLC Drain & Sewer

Paul Hughes, Al Federico, Dave Mel and Ed Hughes were in attendance and showed a power point presentation of the proposed land development of TLC Drain & Sewer @ 1956-1968 W. Main Street. The presentation included a project overview, aerial renderings of the site, including parking, shops and working yard, a site plan, stormwater management plan and landscape plan.

Commissioners questions included an inquiry by Mr. Kennedy about the hours of operation and type of vehicles on the property during those hours, while Ms. Milazzo asked about the location of the entrance to the property off of Main Street.

According to Mr. Garton, the green front area of the property is for potential future development / subdivision, and he made it clear that the requested land development approval would include subdivision. Requested waivers were enumerated and discussed, including millings, storm sewer piping materials, curbing, and landscaping. According to Mr. Garton, his office has reviewed the waivers and has no problems with them.

RF 100 –  
Renewable Energy

Bill Sabey from Ready For 100 (RF 100) made a renewable energy presentation to the Board, as he had previously done to the Township's Environmental Advisory Council (EAC) in November of 2018. According to Mr. Sabey, the air quality in Montgomery County is rated an "F" on an academic scale and the move is to more wind and solar. Chester County has a model for an RFP for an energy planner to assist communities with the move to renewable energy, and the EAC has a sample resolution. Approximately 100 communities across the U.S. have committed to a 100% renewable energy plan. Mr. Sabey concluded his presentation by providing his phone and email contact information as follows: 484-919-7564 and [bill.sabey@yahoo.com](mailto:bill.sabey@yahoo.com).

*Inquiries by the Board included Ms. Milazzo's request to see sample plans from neighboring municipalities and Ms. Eckles' question about why solar rays cannot be shared. Thereafter, Mr. Miller inquired about cost comparisons of "dirty" vs. "clean" power, and thanked the EAC for bringing this issue to the attention of the Board.*

**Manager**

*The items on the Agenda for the upcoming Board meeting were enumerated and addressed by Mr. Bobst as follows:*

- A. Consider approval of proposed Stipulation to Settle Assessment Appeal of Seidzikowski of 55 W. Indian Lane from \$415,000.00 to \$313,000.00, resulting in a \$70.00 impact to the Township;*
- B. Possible approval of Land Development Application of TLC Sewer & Drain after hearing at Board meeting on Tuesday, February 12, 2018;*
- C. Consider authorizing advertising of Ordinance No. 2019-731 re: Restoration of Openings in Newly Paved Streets which would require utility companies working in the township to restore recently paved roads curb-to-curb;*
- D. Consider accepting the resignation of Michael Purkis from the Planning Commission. According to Mr. Bobst, the position would need to be filled within thirty (30) days.*

**Public Comment** *There was no public comment offered; therefore, upon motion of Ms. Eckles, seconded by Ms. Milazzo and unanimously agreed, the Board closed the public comment portion of this work session.*

**Upcoming Meetings** *The schedule of the upcoming meetings for the following boards and commissions were announced by Mr. Bobst: EAC on February 6th @ 7:00 PM; Planning Commission to be announced; and Zoning Hearing Board – None.*

**Adjournment** *There being no further items on the Agenda, upon motion of Ms. Milazzo seconded by Mr. Miller and unanimously approved, the work session was adjourned at 7:58 P.M.*

*Kathy K. Frederick,  
Assistant Secretary*

EAC Meeting Minutes August 4, 2018 6 PM

Attended by : El-Tirib McKelvy, Marc Brier, Robert Kline, Jean Bochnowski

#### National Night Out:

- Jean to bring owl to National Night Out event for table
- Arrange to have handouts, display case and water barrel brought to National Night Out
- Arrange raffle tickets

#### Street Clean Up

- Connect with Township on clean-up of branches after street sweeping
  - Impact of storm drains area of concern

#### Community

- Discuss how EAC can get insight to local shredding events and help to promote events
- Lower Merion and Radnor EAC's discussed as models to visit and learn ideas to bring back to local EAC

#### Vision Statement

- Need to develop Vision statement
- Look into Montco 2040 Plan for ideas to leverage
- Drew Shaw identified as contact at Planning Commission for input
- Bring ideas for vision statement to next meeting

#### Native Plant Resolution

- Review native plant resolution
- Suggest edits to plant resolution to Secretary
- Jean to follow up with climate champions on letter of commitment to assist township if resolution is adopted

Meeting adjourn 7 PM

Meeting attended by members, El-Tirib McKelvy, Marc Brier, Robert Kline, and Jean Bochnowski.

A. Call to Order

B. Chose winner of rain barrel, we will notify them and have them pick it up from the township at their convenience. Discussed use of mailing list of other entrants to notify of EAC issues and events.

C. A local community member wants to join the EAC and we noted that a person can do so as long as they are a non-voting member.

D. We may want to participate in the next River Days (September 2019) even though it is in Norristown as the environmental issues are interconnected.

E. Held discussion about Ready for 100, the renewable energy community initiative and our EAC sponsoring the showing of the film, Catching the Sun. Venue as discussed, and we agreed that the best place was the Jeffersonville Golf Course facility. We are going to reach out to the climate group at Audubon to see if they would be willing to help us sponsor the showing.

F. It was noted that our letter to Audubon Land Development about the eagle's nest on their property on Barbados Island was just the right tone, but that we did not get a response back yet.

G. We will continue to look at the vision statement and it will be put back on next month's agenda.

H. Discussed our map requests from the township and noted that we need:

- 1) General Map
- 2) Open Space Map
- 3) Stormwater Map and list of basins.
- 4) Note that we should have these on hand for meeting

I. Q and A rules voted on and approved:

- 1) A township resident can bring an item for the agenda to meeting, but must submit it for the next month's meeting.
- 2) Public comment can come at the end of meeting, on agenda items only and is limited to 5 minutes.

J. Markley Farms Development

- 1) As they are continuing to be out of compliance with their stormwater management controls, Marc is going to contact Jason to see what the EAC can do to assist the township in this matter.

We need to know what exact approvals they need for Phase 2 of the development, during which the other half of the houses are going to be built, so that we can use this as leverage.  
2) It was noted that the County Conservation District is the agency that enforces stormwater control compliance.

K. Items for the next meeting's agenda are:

- 1) Vision Statement
- 2) Follow up on film showing
- 3) Maps
- 4) Markley Farms status
- 5) Review Draft Native Plant Resolution?

Meeting was adjourned at 8:00 pm

Next Meeting, November 7 at 7 pm

**Stony Creek Anglers**  
P.O. Box 566  
Eagleville, Pa. 19408-0566



Established 1997

**A non-profit Organization**  
President: Charles Wood  
Vice-President: Marty Woodman  
Treasurer: Danielle London  
Recording Secretary: Stephen Corbin  
Nominating Member: Michael Sherman

## Stony Creek Anglers

### 2018 Montgomery County Youth Field Day – Boy Scout Camp Hart

**Date:** Saturday – August 25, 2018  
8AM - 4PM

**Location:** Boy Scout Camp Hart  
1300 Camp Rd.  
Pennsburg, Pa. 18073

**An event for Kid's ages 9 – 15 who reside in Montgomery County. They get the chance to experience Outdoor Activities in a beautiful setting.**

**Stony Creek Anglers will provide the necessary Gear and Guidance at the Fishing Activity for up to 200 Kid's throughout the day.**

**Please consider giving some of your time to this worthwhile cause and helping out for what is always a great opportunity to show our younger generation what it's like to get outside and enjoy themselves.**

**If interested or for further details please contact:**

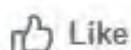
**Marty Woodman @ 484-366-4120 / mingo77@comcast.net**  
OR

**Chas Wood @ 267-438-2572 / chaswood5169@gmail.com**



3

3 shares



Like



Comment



Share



Established 1997

# STONY CREEK ANGLERS

## NEWSLETTER – AUGUST/SEPTEMBER 2018



### *Happy Labor Day*

#### **Notes from the President: Hello Everyone!!!**

My feet are still on the mend but it is very close to 100% healed. I am allowed to do more and be able to help out with club activities. Thank you for your prayers.

The 20<sup>th</sup> Schuylkill River Sojourn was held on Thursday June 7<sup>th</sup>. We hosted lunch for 105 sojourners of which 10 were vegans. We served hot dogs and held a big raffle in which every sojourner won something. We had 9 guys help with setting up tables and chairs, the grill, trash and recycling cans and serving food. The club gets a \$10.00 fee per person from the organizers. A big thank you to all of our club members who helped.

On Saturday June 16<sup>th</sup> the 1<sup>st</sup> Kids Bass Derby was held at Hoy Park on the Perkiomen Creek. We had a real nice turn out and gave out lots of prizes for different age categories. We provided bait, rods and reels, and 2 check in stations for determining the longest bass or fish. The kids caught a lot of fish and a few dandy bass. A thank you to our partners the Lower Providence Optimist Club and all the SCA members who helped out.

On July 14 & 15 our 3<sup>rd</sup> Catfish Derby was held from 8PM to 8AM. We had 50 participants. The 1<sup>st</sup> place catfish was 39" and weighed 24 lbs. 9oz, 2<sup>nd</sup> place catfish was 39" and weighed 24 lbs. and the 3<sup>rd</sup> place catfish was 35<sup>3/4</sup>". I would like to thank the Sportfishin' Outlet for advertising the event and selling the tickets. A thank you to the club members who helped out.

Our 6 weekend work parties were a real disaster, as our members are stingy with their time. We only had 5 guys do the entire punch list. **Wake up SCA members** an hour or two once in a while would be appreciated.

In late July a large oak tree limb crashed into the side of our feed shed. It wiped out the side door and panel next to the door. It also shattered the top 2 buckets of the degassing column. Thanks for all who helped us get the mess cleaned and the limb cut up.

On Monday July 16<sup>th</sup> the Federation of Sportsman's Club Meeting was held at our nursery. We provided refreshments to a small group of attendees on a very hot and steamy night. Our W.C.O. Nate Hancock reported that a group of 3 men were caught using a cast net on the Kepner Creek.

On Tuesday July 17<sup>th</sup> our new fingerlings arrived from the Huntsdale Fish Hatchery of the PA. Fish & Boat Commission. We received 5,000 Rainbows, 3000 Brook, 1,500 Brown and 95 Palomino's. Only 12 fish died in transit. We still need feeders. Call Mike Sherman (610-751-2229) to volunteer.

On Wednesday July 18<sup>th</sup> we rented a box truck with power tail gate to pick up the fish food from Ziegler's. We received 7 pallets (50 bags per). Thanks to all who helped.

On July 21<sup>st</sup> we held a Shingle the Pavilion Work Party. There were 14 participants so it was done before 5PM.

On July 25<sup>th</sup> a new storage shed was constructed on the nursery property. We can now store our 2 kiddie pools, plywood bases, handicapped ramps, traffic cones signs, fish cleaning tables and other derby items on site.

An active eagle's nest was discovered on the north end of Barbados Island. They are doing a lot of tree removal near the dam end. The PA. Game Commission was notified of the nest. Hopefully the state will make sure the eagles will not be disturbed.

We received the keys to the PA. Fish Commission Fish Ladder at Bridgeport. We will be getting ready for next year's Shad migration up the Schuylkill River from March 1<sup>st</sup> to late April. The migration will be monitored live on our web site 24/7. This should be exciting!

God Bless America  
*Charles J. Wood*  
President - Stony Creek Anglers

### **SCA Events:**

*Tuesday, September 11<sup>th</sup>, 2018, SCA Monthly Meeting*, will be held at the Norristown Maenner-Chor Club, 920 West Haws Avenue, Norristown, PA at 7:30PM. We will have a 50/50 drawing, club news and other events. Please bring a friend along.

### **Other Events to Consider:**

*Saturday, August 25<sup>th</sup>, 2018, Montgomery County Youth Field Day* will take place at Camp Hart in Green Lane, PA. off of Ridge Road from 7:30AM to 5:00PM. We will host the fishing station. They will have 8 events, Archery, canoeing, fishing, trapping, scavenger hunt, rifle, shotgun and black powder. The event is for boys & Girls ages 9 to 15. To sign up call Janet Barry 484-971-4536 or go on line to [www.montgoyfd.org](http://www.montgoyfd.org).

*Saturday September 1<sup>st</sup>, 2018, Perkiomen Anglers Association* will have a kickoff meeting at 11AM at the Evansburg State Park at Pavilion – B. Events: Food! Fun! Prizes, sharing ideas & information. Tell family and friends. Mike and Charles Wood will be guest speakers to help get the new groups boots or feet wet. All are welcome!

#### **SCA Officers:**

President: Charles Wood  
Vice-President; Marty Woodman  
Treasurer: Danielle London  
Recording Secretary: Steve Corbin  
Nursery Manager: Mike Sherman

#### **Board Members:**

Joe Bednarz \* Bob Emery  
Chris London \* Kenny Salvo  
John Sauer \* Harvey Schlesinger

**General Membership Meeting**  
2<sup>nd</sup> Tuesday of the month at 7:30PM  
New Night  
**(Except July & August)** at the Norristown Maenner-Chor Club  
Call 610-291-1361 for Directions

**Save Your Cans & Drop them off at the Nursery or Call Chas at 267-438-2572**

**We are Still Accepting Redner's Cash Register Receipts**

You need a SAVE-A-TAPE CARD from Redner's

**We get 1% of all tapes with**

**"SAVE-A-TAPE" on the receipt!!**

**Show your support for the Stony Creek Anglers while you save money and get Cash back!**

See the website [www.SHOP.COM/STONYCREEK](http://www.SHOP.COM/STONYCREEK)

## **LONDON LANDSCAPING**

**PLYMOUTH MEETING, PA.**

**610-608-4616**

### **Sport Fishin' Outlet**

Live Bait & Tackle  
Great Selection of Rods & Reels  
Phone 610-275-2441  
230 W. Germantown Pike  
East Norriton, Pa. 19401

### **Kagan's Deli.**

492 Ford Street  
Bridgeport, PA 19405  
**Phone 610-275-1025**

### **Jacobs Tree Surgery, Inc.**

252A Fulmer Road  
Perkiomenville, PA. 18074  
Phone 610-287-7107  
Warren A. Jacobs

# **APPENDIX B**

## **MCM #2**

### **Public Involvement and Participation**



**NPDES MS4**  
**Stormwater Management Program**  
**WEST NORRITON**  
**PENNSYLVANIA**



**Beth Uhler**  
**MS4 Program Manager**

## Background

**What is the NPDES MS4 Program?**

- National Pollutant Discharge Elimination System
- Municipal Separate Storm Sewer System
- **EPA**-mandated (NPDES)
- **DEP** administers in Pennsylvania
- Ultimate goals for the MS4 program
  - Recognize and increase awareness of stormwater as a point-source pollutant
  - Manage stormwater as any other point-source pollutant (i.e. wastewater, industrial, etc.)



## Background

- **Permit Round 1 – 2003 - 2013**
  - Implement Best Management Practices (BMPs) under Six (6) Minimum Control Measures (MCMs)
- **Permit Round 2 – 2013 - 2018**
  - Continuation of MCMs
  - Added Total Maximum Daily Load (TMDL) Requirements
    - Wissahickon Creek, Neshaminy Creek, Skippack Creek, Christina River Basin

**NO TMDL REQUIREMENTS FOR WEST NORRITON**



## Minimum Control Measures

- EAC** 1. Public Education & Outreach
- EAC** 2. Public Involvement & Participation
- EAC** 3. Illicit Discharge Detection & Elimination
4. Construction Site Stormwater Runoff Control
5. Post Construction Stormwater Management for Development & Redevelopment
6. Pollution Prevention/Good Housekeeping

**\*Annual Report\***



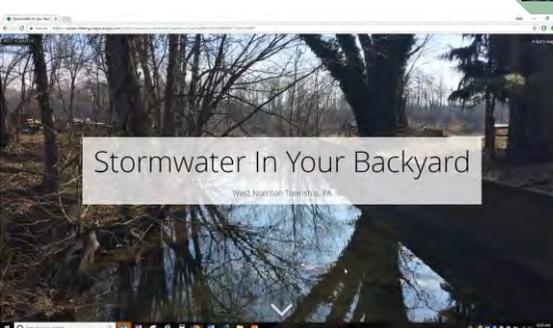
## Public Education & Outreach (MCM #1)



**Permit Requires:**

- **Written PEOP Program**
  - Review annually and update as needed.
  - Plans and goals.
- **Target Audience Lists**
  - Review annually and update as needed.
- **Publish at least one (1) education item per year**
  - Website
  - Newsletter
- **Distribute stormwater educational materials to target audiences using at least two (2) distribution methods per year**
  - Displays, posters, signs
  - Pamphlets, booklets, brochures, mailings, fact sheets
  - Radio, local TV, newspaper articles, other advertisements
  - Presentations, conferences, meetings
  - Workshops, giveaways, storm drain stenciling

**DOCUMENT, DOCUMENT, DOCUMENT!**

**Stormwater In Your Backyard**  
West Norriton Township, PA



### Public Involvement & Participation (MCM #2)

**Permit Requirements:**

- **Written PIPP Program**
  - Review annually and update as needed
  - Identifies plans and goals
    - Opportunities for the public to participate in decision-making processes
  - Routine communication with watershed associations and other environmental organizations
  - Make Progress Reports available to the public
    - Website
    - Township Building
    - By Mail, etc.
- **Public Input on Stormwater-Related Ordinances**
- **At least one (1) Public Meeting**
- **Stream clean-ups, volunteer plantings, community events, etc.**

**DOCUMENT, DOCUMENT, DOCUMENT!**









### Illicit Discharge Detection & Elimination (MCM #3)

**What is an Illicit Discharge?**

- Any discharge (or seepage) to a MS4 that is not composed entirely of stormwater.
  - Does not refer to discharges authorized under an NPDES permit.

**EXAMPLES:**

- Motor vehicle fluids
- Household hazardous wastes
- Grass clippings
- Leaf litter
- Animal wastes
- Unauthorized sewage discharges, industrial waste, or restaurant waste

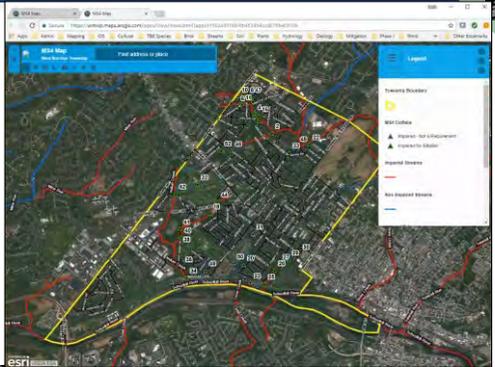



### Illicit Discharge Detection & Elimination (MCM #3)

**Permit requires:**

- Written IDD&E Program
- Mapping
- Outfall Field Screening
- Ordinance Prohibiting Non-Stormwater Discharges into the MS4
- Educational outreach specific to IDD&E



### Construction Site Runoff Control (MCM #4)

#### Erosion and Sediment Control



**Statewide program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities through DEP, Montgomery County Conservation District, and West Norriton Township SATSFIES this permit requirement.**

### Post Construction Stormwater Management in New and Re-Development (MCM #5)

**Permit requires:**

- Statewide Program for issuing **NPDES Permits for Stormwater Discharges Associated with Construction Activities** through DEP & Montgomery County Conservation District **SATISFIES A PORTION** of this permit requirement.
- Ordinance
- Low Impact Development (LID)
- PCSM BMP Inventory
- Written PCSM BMP Inspection Program **for BMPs approved after 2003** (Operations & Maintenance)




13

### BMP Inspections



Photo 1



14

### Pollution Prevention/Good Housekeeping (MCM #6)

**Permit Requires:**

- **Written Operations & Maintenance Program**
  - Review annually and update as needed
  - Township-owned facilities and activities
- **Written Employee Training Program**
  - Review annually and update as needed
  - Hold **one (1)** Employee Training per year




15

### Permit Round 3

- Effective in March 2018 (due September 2017)
- Continuation of MCMs

★**NEW:**

**Pollutant Reduction Plans (PRPs)**  
Discharges to Waters Impaired by Nutrients and/or Sediment

- » **Stony Creek** (Sediment)
- » **Indian Creek** (Sediment)
- » **Unnamed tributaries to Schuylkill River** (Sediment)



16

### West Norriton Township Impaired Streams



Non-Attaining Streams (2015)  
Attaining Streams



17

### Pollutant Reduction Plan (PRP)

- **2017-2018 – Planning**
  - Projects to **reduce the sediment load** to **Stony Creek, Indian Creek, and UNT to Schuylkill River by 10% over 5-year period**
- **2018-2023 – Design & Construction**
  - **Have shown that 2015 GROWING GREENER GRANT PROJECTS MEET OBLIGATIONS** (pending approval)




18

**Proposed BMPs- Burnside Village Basin Retrofit**



**Proposed BMPs- Jeffersonville Golf Club Stream Restoration**



**Proposed BMPs- Blue Dove Basin Retrofit**



**What to Expect in 2018...**

**Submitted MS4 permit application and Pollutant Reduction Plans (PRPs) in September 2017 ---**  
*What is the status of DEP's review?*

- Received review letter from DEP February 1, 2018.
- New permit became effective March 16, 2018.
- 5-year Implementation Period will not begin until PRP is approved.

**What to Expect in Future Permit Cycles?**

**How will the Township pay for these projects in the future?**

- Grants?
- Low-Interest Loans?
- General Fund?
- Public-Private Partnerships?
- Stormwater Fee/Authority?



**What can the EAC do?**

- Review and Update Public Education and Outreach and Public Involvement and Participation Programs
- Identify effective methods of communication with residents and/or property owners
- Organize stream cleanups
- Volunteer riparian buffer planting
- Host educational workshops
- IDEAS???



Beth Uhler  
MS4 Program Manager



## West Norriton Township's Guide for **Mandatory** Commercial, Industrial and Institutional Recycling required by State Law and Municipal Ordinance

### **Recycling Rules**

For Businesses in West Norriton Township:

**You are required by law to provide an annual recycling report to the West Norriton Township recycling coordinator.** Act 101 of 1988 and West Norriton Township Ordinance requires commercial, industrial and institutional establishments located in Pennsylvania municipalities with greater than 5,000 populations to recycle the following:

#### Commercial, Industrial & Institutional Businesses

Aluminum Cans  
Office Paper  
Corrugated Cardboard  
Leaf Waste

#### Apartment Complexes & Residential Communities

Aluminum Cans      Glass Containers  
Newspapers          Office Paper  
Junk Mail             Other Clean Paper  
Number 1 & 2 Plastics  
Steel & Bimetal Cans  
Leaf Waste

**All apartment complexes or residential communities (condominiums, retirement communities, etc.)** are required to provide recycling containers or centralized collection containers for their residents. At a minimum, you must provide one container for co-mingled recyclables including aluminum cans, glass, steel and bimetal cans and number 1 and 2 plastics; and a second container for newspapers, office paper, junk mail, cardboard and other clean paper. You are required to report on a yearly basis how much recyclables are collected at your property. Leaf waste must be separated from other waste and the amount removed should also be reported to the Township.

**All commercial, industrial and institutional business owners and apartment complexes or residential communities** in West Norriton Township are required to report on a yearly basis how much they recycle. At the beginning of each year all businesses located in West Norriton Township are required to complete a ***Recycling Data Collection Form*** and return to the Township's recycling coordinator by **February 28<sup>th</sup>** of each year. You will be asked to provide on the form the quantities of recyclables your business collected during the previous year. The trash hauler that handles your recyclables should provide annual tonnage information to you.

For further information or to obtain collection forms, please contact:

HOUGH ASSOCIATES  
105 Town Center Road, Suite 3  
King of Prussia, PA 19406 610-992-9990

# WEST NORRITON TOWNSHIP RESIDENTIAL RECYCLING REQUIREMENTS

**WEST NORRITON'S WASTE AND RECYCLING ORDINANCE AND PENNSYLVANIA STATE LAW (ACT 101 OF 1988) REQUIRE THAT ALL RESIDENTS MUST HAVE WASTE AND RECYCLING SERVICE FROM A PRIVATE HAULING COMPANY.**

## *What and How to Recycle in West Norriton Township:*

YES – **Paper:** Newspaper, magazines, junk mail, office paper and computer paper.  
Tie in bundles or put in paper bag.

NO – Waxed paper, coated paper or tissue paper.

YES – **Glass:** clear, amber and green glass from beverage bottles and food jars.  
Rinse bottles and jars and remove lids.

NO – Window glass, light bulbs, crystal or ovenware.

YES – **Aluminum, Steel and Bimetal Cans:** Food and beverage cans.  
Rinse out and crush cans if possible.

NO – Pots and pans, or wire hangers. No lids or covers of cans

YES – **Plastic:** Number 1 & 2 (PETE & HDPE) Plastics. Look for the number on the bottom of plastic items. Rinse out container and crush if possible

NO – Number 3-7 plastics, plastic flower pots or motor oil bottles.

YES – **Leaf and Yard Waste:** Visit the township website [www.westnorritontwp.org](http://www.westnorritontwp.org) or contact the township office for schedule and details.

West Norriton Township receives recycling performance grants based on how much of these materials our residents recycle. ***The more you recycle the greater the grant.***

Local non-profit organizations benefit from newspaper dropped off in Abitibi paper retrievers. Abitibi reports the tonnage to the Township so that it is included in our performance grant total. To find out where they are located in your area, use your computer to log on to [www.paperretriever.com](http://www.paperretriever.com). Then click on container locator and type in the info request and it will let you know the container site nearest to you.

Look for dates for the Household Hazardous Waste Drop-off Sites. This recycling service is provided by Montgomery County. For more information please call the County Recycling Coordinator at 610-278-3618 or visit the web at [www.montcopa.org](http://www.montcopa.org) for directions and details.

This Residential Recycling Requirements reminder for West Norriton Township residents was prepared using PA DEP recycling performance grant funds.

Seasonal Services

Storm Water

Streets Maintenance

Trash & Recycling

Capital Improvement Projects

## TRASH & RECYCLING

### Trash

All residents of the township and all commercial, industrial, or institutional establishments located in the township shall contract with a municipal waste collector to have all the municipal waste generated at the premises occupied by such person or entity by any of the occupants of said premises removed and deposited in a permitted landfill at a minimum of once per week.

### Recyclable Materials

All residents of West Norriton Township shall separate recyclable materials from the municipal waste generated at their property. When placed at the curb for collection in accordance with the provision of this part, recyclable materials shall be placed in separate, reusable metal, or plastic containers which clearly identify the contents as recyclables. Such containers shall initially be provided by the township.

### Recycle Containers

Recycle containers are available for purchase at the township building, Monday through Friday, 8 a.m. to 4:30 p.m., for \$15 each. Each household in West Norriton Township is required to have a recycle container either issued by their private trash hauler, or purchased through the township.

### Placement of Containers

No municipal waste or recyclable material container shall be placed at the curb or in the front yard of any lot except during the period beginning at 6 p.m. on the night prior to the scheduled collection and ending at midnight on the day of the scheduled collection.



### Residential Recycling Requirements

West Norriton's [Waste and Recycling Ordinance](#) and Pennsylvania State Law (Act 101 of 1988) require that all residents must have waste and recycling service from a private hauling company. [Review what and how to recycle in West Norriton \(PDF\)](#)

### Guide for Mandatory Commercial, Industrial and Institutional Recycling

Act 101 of 1988 and West Norriton Township Ordinance requires commercial, industrial and institutional establishments located in Pennsylvania municipalities with greater than 5,000 populations to recycle certain items. [Review the guide \(PDF\)](#)

Compost Material & Joint  
Composting Site

Snow Removal

Snow Emergencies

Leaf & Branch Collection

Home › Departments › Public Works › Seasonal Services › Compost Material & Joint Composting Site

## COMPOST MATERIAL & JOINT COMPOSTING SITE

### Compost Site

A group of three (3) municipalities, West Norriton Township, East Norriton Township and Norristown Borough, initiated a joint leaf composting program in 1989 on the grounds of the Norristown Farm Park. The Norristown Farm Park is operated by Montgomery County and owned by the Commonwealth of Pennsylvania. The two leaf composting sites (one for East Norriton Township and one for the other two municipalities) are leased from Montgomery County. The compost sites are operated by East Norriton Township under an agreement with the three municipalities and a lease arrangement with the County.

### Composting Material

West Norriton Township is 5.5 square miles and has a population of 16,663 as of the 2010 census. As mandated by Act 101 West Norriton Township developed a comprehensive recycling program; a major component of this program is the collection of leaves which are delivered to the leaf composting facility. The West Norriton Township Public Works Department collects on average 4,500 cubic yards of leaves from the middle of October to the 2nd week of December each year and properly advertises this collection schedule each year on our website and in the newspaper. Leaves must be separated from the municipal waste stream per Township Ordinance. Leaves are collected utilizing leaf vacuums. Only Township vehicles are permitted to place leaves at the composting facility.

The leaves are composted using a compost turner and the final product is screened through a rotary tumbler. The majority of the final product is used on the farm fields throughout the Norristown Farm Park.

### Product Pickup Location

In addition, the final mulch product is also available for pick up by the residents of West Norriton Township at the Bin located behind the Jefferson Fire Company 85 School Lane. Each resident is responsible to load the mulch themselves.

Compost Material & Joint  
Composting Site

Snow Removal

Snow Emergencies

Leaf & Branch Collection

Home > Departments > Public Works > Seasonal Services

## SEASONAL SERVICES

### Leaf Collection

Leaf collection occurs October through the second week of December. Due to weather conditions, the dates may vary.

#### Leaf Collection Guidelines

1. Curbside leaf piles are to be 12 inches high and 18 inches wide.
2. Do not mix limbs, brush, and other debris with leaf piles, as such items may cause damage to collection equipment and injury to township personnel.
3. Adverse weather conditions may cause delays.
4. Township employees and/or equipment are not permitted to enter private property to remove leaves.
5. Once the leaf machine has passed it will not return until items on every street in the township has been collected.
6. **If your residence is located on the corner of the street, please place the leaves to be picked up at least 25 feet from the intersection.**
7. If you live on a private street in the township we will pick up your leaves, but they must be bagged. Since most of the private streets in the township have narrow widths, we cannot take the leaf machines down those roadways and safely turn the machine around. Once you have the leaves bagged, please call the township office at **610-631-0450** and schedule the pickup.

### Tree Branch Collection

Collection will take place the third Tuesday of each month **April through September**. Branches shall be placed at the curbside for pickup on the third Tuesday of each month by 10 a.m. **Only Branches and Tree limbs are permitted**. Tree stumps, sticks, weeds, grass, any vine related species and leaves are listed as non-chippable materials and will **Not** be taken. **Tree limbs must not be in plastic bags or tied**. Once the Truck passes and clears the street it will not return until the following month for pick-up. **Tree limbs must be stacked curbside with the butt ends facing the street. The month's of February and March will be used as demanded. \*\*\*\*All of these rules will be strictly enforced \*\*\*\***

#### Limits

- Individual branches or limbs - up to 6 inches in diameter
- Total collection per household limited to 2 cubic yards
- **Improperly prepared materials or materials deemed not chippable will not be collected, including large piles**

### Christmas Tree Collection

Christmas Tree collection will take place the month of January thru the first week of February Weather permitting. Christmas trees must be placed curbside and must be free of any ornaments and lights. Only Christmas trees will be collected during this collection period.

#### Guidelines

##### Items Collected

- Tree limbs or Branches 6 inches or less in diameter

##### Items Not Collected

- Bundles with thorns, poison ivy or oak, wire, metal, or concrete stones
- Grass clippings
- Landscape timbers
- Logs or firewood
- Materials cut by contracted services
- Ornamental grass, sticks or vine like material
- Piles of clippings
- Plantings with roots and dirt
- Pressure-treated wood
- Railroad ties
- Tree limbs with nails, wire, metal or cement

The above items are to be taken by your Trash Hauler, they have been instructed by the Township to furnish two dates that these items will be collected. Once the Township receives these dates from the haulers we will list them. The materials need to be placed in Biodegradable Bags for pickup.

- White Tail Disposal
- Advanced Disposal
- Allied Waste Services
- J.P. Mascaro and Son
- Waste Management



West Norriton Township shared a post.

July 10 at 12:30 PM · 🌐

Thank you CEDARVILLE Engineering Group, LLC for taking some time today and educating our Summer Camp kids on the importance of storm water management and the impact on the environment.



West Norriton Township Parks & Recreation

July 10 at 11:32 AM · 🌐

👍 Like Page

Thank you to Cedarville Engineering Group, LLC for their informational sessions today at our 2018 Summer Camp. We had a station for rain barrel painting, a station on water runoff and a poster contest station on decorating a storm water drain. Our campers had a great time!

Once again thank you for educating our youth on the importance of keeping our environment clean!



**CEDARVILLE Engineering Group, LLC** is at West Norriton Township.

Like Page



10 July 2018 · West Norriton · ·

Soil run-off demonstration.



Like

Comment

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**CEDARVILLE Engineering Group, LLC** is at West Norriton Township.

Like Page



10 July 2018 · West Norriton · ·

Amanda Reitbauer, Environmental Scientist



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**CEDARVILLE Engineering Group, LLC**

added a new photo — at West Norriton Township

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**CEDARVILLE Engineering Group, LLC**  
added a new photo — at West Norriton  
Township

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**CEDARVILLE Engineering Group, LLC**

added a new photo — at West Norriton Township

10 July 2018 · West Norriton · 🌐 · 🌐

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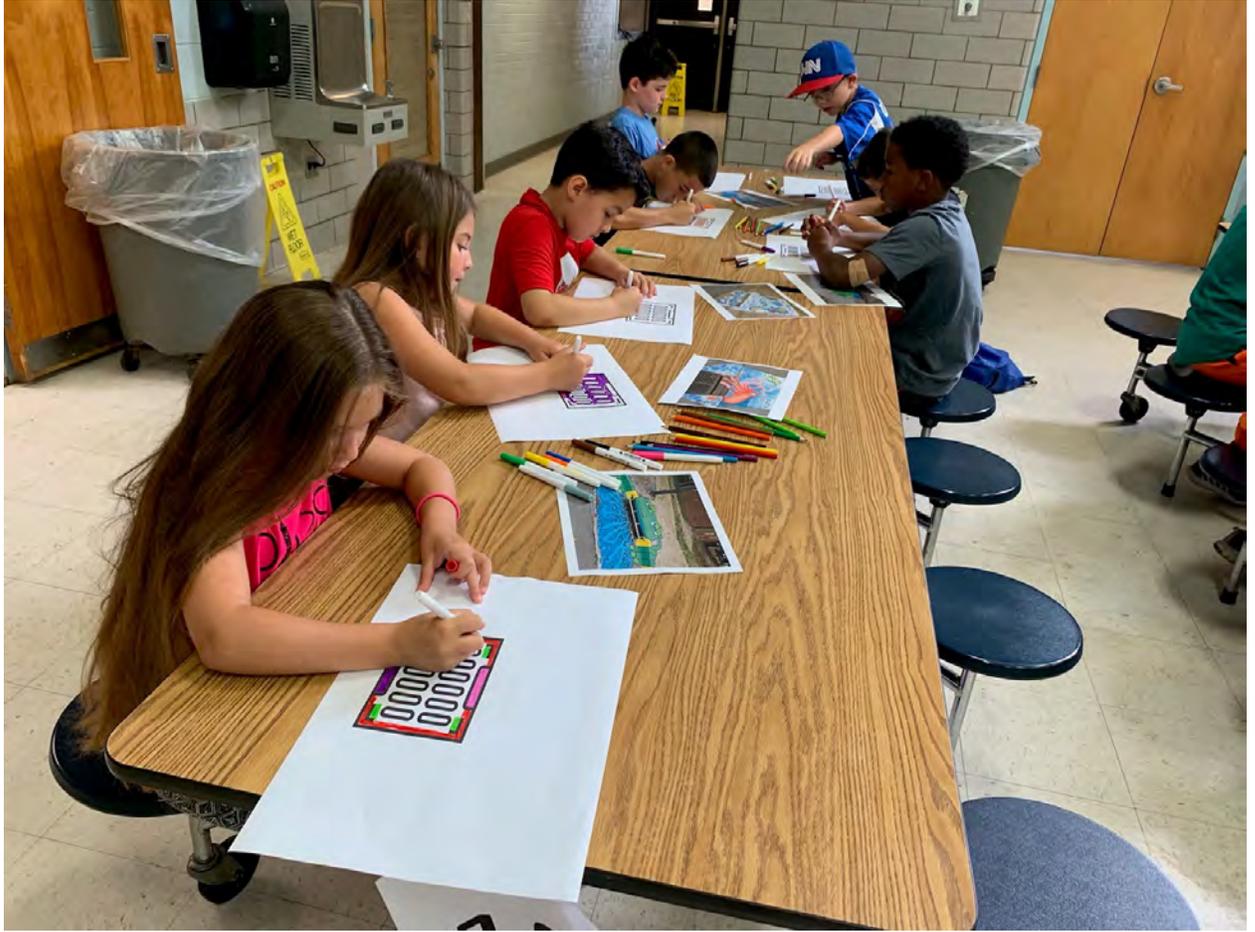
👍 Like

💬 Comment

↪ Share









**CEDARVILLE Engineering Group, LLC** is with Nicole Martin.

25 June at 16:09 · 🌐

Amanda Reitbauer and Nicole Martin, CEDARVILLE Engineering Group, LLC Environmental Scientists, conducted a stormwater educational event today with West Norriton Township staff at the Summer Camp Program. Campers rotated through three interactive stations which included an Enviroscape demonstration, inlet art contest, and rain barrel decorating to demonstrate the importance of stormwater management. #summerfun #learning #environment





## West Norriton Township Parks & Recreation



1 July at 14:12 · 🌐

Last weeks activities for our 2019 Summer Camp. Thank you to Cedarville Engineering Group, LLC and the John James Audubon Center for coming out to our camp! Our campers enjoyed numerous storm drain activities and the Live Raptor Presentation!



👍 9

1 comment

👍 Like

💬 Comment

➦ Share



# TIRE COLLECTIONS

## 2019 MONTGOMERY COUNTY PA RESIDENTIAL EVENTS 9:00 am – Noon

### WHEN:

**Saturday, May 11**

### WHERE:

**Green Lane Park**

2298 Green Lane Road, Morrow Pavilion, Green Lane, PA 18054  
(near the tennis courts)

**Saturday, June 8**

**Montgomery County Community College**

340 DeKalb Pike, enter at 1313 Morris Road, Blue Bell, PA 19422  
(in the Central Lot, 1D)

**Saturday, June 29**

**Western Montgomery Career and Technology Center**

77 Graterford Road, Limerick, PA 19468

The Montgomery County Commissioners authorize these **FREE** events to prevent tires from being improperly disposed of and to reduce breeding grounds for disease carrying mosquitoes. The tires that are collected will be shredded and repurposed by a local business into products for civil engineering and playground material.

- Montgomery County residents only
- No businesses!
- Free of charge
- 10 tires per vehicle maximum
- Rims and tires on rims accepted
- **Accepted:** passenger, light truck, motorcycle, ATV, bicycle, wheelbarrow, and lawn mower tires
- **Not accepted:** farm equipment or construction vehicle tires



MONTCO PA  
RECYCLES



MontcoPARecycles.org

### For additional information and in case of severe weather:

Please visit [MontcoPARecycles.org](http://MontcoPARecycles.org), email [recycling@montcopa.org](mailto:recycling@montcopa.org), or call the recycling line at 610.278.3618. Please do not contact the host sites, as they are not affiliated with the events.

In case of severe weather, call 610.278.3618, option 6 for event status.

MONTGOMERY COUNTY BOARD OF COMMISSIONERS

Valerie A. Arkoosh, MD, MPH, *Chair* • Kenneth E. Lawrence, Jr., *Vice Chair* • Joseph C. Gale, *Commissioner*



# HOUSEHOLD HAZARDOUS WASTE

## 2019 MONTGOMERY COUNTY PA RESIDENTIAL EVENTS

9:00 am – 3:00 pm

### DATES:

**Saturday, April 27**

**Boyertown Middle School East**  
2020 Big Rd. • Gilbertsville

**Saturday, May 4**

**Indian Valley Middle School**  
130 Maple Ave. • Harleysville

**Saturday, May 18**

**Temple University–Ambler Campus**  
enter at 1431 E. Butler Pike • Ambler

**Saturday, June 15**

**Norristown Area High School**  
1900 Eagle Dr. • Norristown  
(enter at Whitehall Rd.)

**Saturday, June 22**

**Abington Junior High School**  
enter at 2056 Susquehanna Rd. • Abington

**Saturday, September 28**

**Spring-Ford 9th Grade Center**  
400 South Lewis Rd. • Royersford

**SUNDAY, October 20**

**Lower Merion Transfer Station**  
1300 N. Woodbine Ave. • Penn Valley

Free residential collection events are held outdoors from 9am-3pm. Residents may attend any Household Hazardous Waste event held by Bucks, Chester, Delaware, Montgomery, or Philadelphia Counties.

### For additional information and in case of severe weather:

Please visit [MontcoPARecycles.org](http://MontcoPARecycles.org), email [recycling@montcopa.org](mailto:recycling@montcopa.org), or call the recycling line at 610.278.3618. Please do not contact the host sites, as they are not affiliated with the events.

In case of severe weather, call 610.278.3618, option 6 for event status.



Pennsylvania Department  
of Environmental  
Protection



MONTCO PA  
RECYCLES



[MontcoPARecycles.org](http://MontcoPARecycles.org)

MONTGOMERY COUNTY BOARD OF COMMISSIONERS

Valerie A. Arkoosh, MD, MPH, *Chair* • Kenneth E. Lawrence, Jr., *Vice Chair* • Joseph C. Gale, *Commissioner*

# HOUSEHOLD HAZARDOUS WASTE COLLECTION INFORMATION

## ACCEPTABLE MATERIALS

PAINT PRODUCTS	OUTDOOR PRODUCTS	AUTOMOTIVE PRODUCTS	HOUSEHOLD PRODUCTS	HOUSEHOLD OTHER
Turpentine	Swimming Pool Chemicals	Grease & Rust Solvents	Drain Openers	Acids, Caustics, Solvents
Paint Thinners	Weed Killers	Fuel Additives	Rug Cleaners	Flammables
Strippers & Removers	Septic Tank Degreasers	Carburetor Cleaners	Wood & Metal Cleaners	Oxidizers
Oil-Based Paints	Asphalt Sealers	Transmission/Brake Fluid	Mothballs/Flakes	Reactives
Stains, Varnish	Caulking Compounds	Antifreeze	Adhesives/Solvents	Lead
Shellac	Joint Compound	Car(lead-acid), Truck, Motorcycle, Marine, Batteries	Rechargeable batteries, Lithium, Ni-Cad, Button, Lead Acid	Mercury (Thermostats & Thermometers)
Other Solvent-Based Paint Products	Roof Cements	Gas, Oil, Gas Oil Mixture	Spot Removers Dry Cleaning Fluid	Fluorescent Tubes, Ballast, and CFLs
Wallpaper Cement	MINI Propane Tanks	Flares	Fire Extinguishers	Aerosols
Spray Paint	Pesticide		Kerosene	Electric Oil-filled Heaters

## UNACCEPTABLE MATERIALS

Explosives & Ammunition	Electronics	Asbestos	Appliances/White Goods
Infectious or Medical Waste	Pressurized CFCs & HCFCs	Radioactive Waste	Freon Appliances
Tires	Helium Tanks	Unidentified Waste	PCBs
Latex Paint* (Water-Based)	Gas Cylinders	Alkaline Batteries (Trash)	Smoke Detectors

\* Take off lid, dry out paint, discard can without lid; or pour paint into plastic bag with absorbent material (clay based kitty litter, saw dust, rags) place bag and can without lid, in trash. Paint hardener can also be purchased at hardware stores.

## DROP OFF GUIDELINES

- BUSINESSES AND CONTRACTORS WILL BE TURNED AWAY, commercial/industrial generated hazardous waste will not be accepted.
- Bring all substances in original containers with labels. Items must be identifiable. Do not mix materials.
- Gas containers returned upon request.
- Tighten lids on all containers. If containers are leaking, pack in larger container with newspaper to soak up leaks.
- Maximum amount accepted is 25 gallons or 220 pounds. No 25- or 50-gallon drums.
- Event workers will unload your materials so please remain in your vehicle.
- There are no permanent drop off locations in the region for household hazardous waste, only the listed collections.

# 2019 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE RESIDENTIAL EVENTS

All Events 9am-3pm. **NO ELECTRONICS ACCEPTED.**

All listed events are open to residents of Bucks, Chester, Delaware, and Montgomery Counties and Philadelphia regardless of the host county.



DATE	DAY	COUNTY	LOCATION
April 6	Saturday	Philadelphia	Streets Dept. Training Center, 8401 State Rd. at Ashburner St., Phila.
April 6	Saturday	Chester	Center for Arts & Technology (CAT)–Pickering Campus, 1580 Charlestown Rd., Phoenixville
April 27	Saturday	Montgomery	Boyetown Middle School East, 2020 Big Rd., Gilbertsville
April 27	Saturday	Chester	Octorara High School, 226 Highland Rd., Atglen
May 4	Saturday	Montgomery	Indian Valley Middle School, 130 Maple Ave., Harleysville
May 4	Saturday	Delaware	Emergency Services Training Center, 1700 Calcon Hook Rd., Sharon Hill
May 11	Saturday	Bucks	Bucks County Community College, 275 Swamp Rd., Newtown
May 11	Saturday	Philadelphia	1st District Highway Yard, 4800 Parkside Ave., Phila.
May 18	Saturday	Montgomery	Temple University–Ambler Campus, enter on 1431 E. Butler Pike, Ambler
May 18	Saturday	Chester	Owen J. Roberts Middle School, 881 Ridge Rd., Pottstown
June 1	Saturday	Bucks	Upper Bucks County Area Vocational Technical School, 3115 Ridge Rd., Perkasi
June 15	Saturday	Montgomery	Norristown Area High School, 1900 Eagle Dr., enter at Whitehall Rd., Norristown
June 21	FRIDAY	Chester	Coatesville CCIU Center, 1635 E. Lincoln Hwy., Coatesville
June 22	Saturday	Philadelphia	Northwest Transfer Station, Domino Ln. & Umbria St., Phila.
June 22	Saturday	Montgomery	Abington Junior High School, enter on 2056 Susquehanna Rd., Abington
June 29	Saturday	Bucks	Central Bucks South High School, 1100 Folly Rd., Warrington
July 18	THURSDAY	Philadelphia	Streets Dept. Training Center, 8401 State Rd. at Ashburner St., Phila.
July 20	Saturday	Delaware	Delaware County Community College, 901 Media Line Rd, Media, PA 19063
August 24	Saturday	Bucks	Bucks County Technical High School, 610 Wistar Rd., Fairless Hills/Bristol
September 7	Saturday	Chester	Oxford School District Administration Building, 125 Bell Tower Ln. (Rte. 10), Oxford
September 14	Saturday	Philadelphia	3rd District Highway Yard, 22nd St. & York St., Phila.
September 14	Saturday	Delaware	Penn State University–Brandywine Campus, 25 Yearsley Mill Rd. (Enter at Rt. 352), Media
September 21	Saturday	Bucks	Strayer Middle School, 1200 Ronald Reagan Drive, Quakertown
September 28	Saturday	Montgomery	Spring-Ford 9th Grade Center, 400 South Lewis Rd., Royersford
October 5	Saturday	Delaware	Upper Chichester Township Municipal Building, 8500 Furey Rd., Upper Chichester
October 12	Saturday	Chester	Government Services Center, 601 Westtown Rd., West Chester
October 12	Saturday	Philadelphia	Streets Dept. Facility, 3033 South 63rd St.–Northwest of Passyunk Ave., Phila.
October 20	SUNDAY	Montgomery	Lower Merion Transfer Station, 1300 N. Woodbine Ave., Penn Valley
November 2	Saturday	Philadelphia	Streets Dept. NE Facility, 3901 Delaware Ave. between Castor & Lewis (Near Allegheny Exit of I-95), Phila.

## For additional information:

Bucks County	215-345-3400	<a href="http://www.buckscounty.org/recycling">www.buckscounty.org/recycling</a>
Chester County	610-273-3771 x*228	<a href="http://www.chestercountyswa.org">www.chestercountyswa.org</a>
Delaware County	610-892-9627	<a href="http://www.co.delaware.pa.us/recycle/hhw.html">www.co.delaware.pa.us/recycle/hhw.html</a>
Montgomery County	610-278-3618	<a href="http://www.MontcoPARecycles.org">www.MontcoPARecycles.org</a>
Philadelphia	215-686-5560	<a href="http://www.philadelphiastreet.com">www.philadelphiastreet.com</a>



PENNSYLVANIA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION (DEP)  
[www.depweb.state.pa.us](http://www.depweb.state.pa.us)

# 2019 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE

## ACCEPTABLE MATERIALS

PAINT PRODUCTS	OUTDOOR PRODUCTS	AUTOMOTIVE PRODUCTS	HOUSEHOLD PRODUCTS	HOUSEHOLD OTHER
Turpentine	Swimming Pool Chemicals	Grease & Rust Solvents	Kerosene	Acids, Caustics, Solvents
Paint Thinners	Weed Killers	Fuel Additives	Rug Cleaners, Drain Openers	Flammables
Strippers & Removers	Septic Tank Degreasers	Carburetor Cleaners	Wood & Metal Cleaners	Oxidizers
Oil-Based Paints	Asphalt Sealers	Transmission/Brake Fluid	Mothballs/Flakes	Reactives
Stains, Varnish, Shellac	Roof Cements	Antifreeze	Adhesives/Solvents	Lead
Spray Paint	MINI Propane Tanks (No BBQ Tanks)	Car(lead-acid), Truck, Motorcycle, Marine, Batteries	Rechargeable Batteries, Lithium, Ni-Cad, Button, Lead Acid	Mercury (Thermostats & Thermometers)
Solvent-Based Paint Products	Pesticide	Gas, Oil, Gas Oil Mixture	Spot Removers Dry Cleaning Fluid	Fluorescent Tubes, Ballast, and CFLs
Wallpaper Cement	Chemical Fertilizer	Flares (No Marine Flares)	Fire Extinguishers	Aerosols

## UNACCEPTABLE MATERIALS

Explosives, Ammunition, Marine Flares	<b>Electronics</b>	Asbestos	Appliances/White Goods
Infectious or Medical Waste	Prescription Drugs	Radioactive Waste	Refrigerants, Freon Appliances
Tires	BBQ Propane Tanks/ Helium Tanks	Unidentified Waste	PCBs
Latex Paint* (Water-Based)	Gas Cylinders	Alkaline Batteries (Trash)	Smoke Detectors

\* Take off lid, dry out paint, discard can without lid; or pour paint into plastic bag with absorbent material (clay based kitty litter, saw dust, rags) place bag and can without lid, in trash. Paint hardener can also be purchased at hardware stores.

## DROP OFF GUIDELINES

- **BUSINESSES AND CONTRACTORS WILL BE TURNED AWAY**, commercial/industrial generated hazardous waste will not be accepted.
- Bring all substances in original containers with labels. Items must be identifiable. Do not mix materials.
- Gas containers returned upon request.
- Tighten lids on all containers. If containers are leaking, pack in larger container with newspaper to soak up leaks.
- Maximum amount accepted is 25 gallons or 220 pounds. No 25- or 50-gallon drums.
- Event workers will unload your materials so please remain in your vehicle.
- There are no permanent drop off locations in the region for household hazardous waste, only the listed collections.

### TIRE COLLECTIONS

#### 2019 MONTGOMERY COUNTY PA RESIDENTIAL EVENTS

9:00 am - Noon

**WHEN:**  
 Saturday, May 11  
 Saturday, June 8  
 Saturday, June 29

**WHERE:**  
 Green Lane Park  
 2200 Green Lane Road, Manassas Station, Green Lane, PA 19004  
 (near The Lakes Center)

Montgomery County Community College  
 300 DeKais Plaza, entry at 1313 Manassas Road, Blue Bell, PA 19002  
 (at the Carillon L&K 101)

Western Montgomery Career and Technology Center  
 77 Ginterford Road, Limerick, PA 19050

The Montgomery County Commissioners authorize these FREE events to prevent tires from being improperly disposed of and to reduce breeding grounds for disease carrying mosquitoes. The tires that are collected will be shredded and repurposed by a local business into products for civil engineering and playground material.

- Montgomery County residents only
- No businesses
- Free of charge
- 10 tires per vehicle maximum
- Heavy and fine on rims accepted
- Accepted: passenger, light truck, motorcycle, ATV, lawn mower, wheelbarrow, and lawn mower tires
- Not accepted: farm equipment or construction vehicle tires

For additional information and in case of severe weather, please visit [www.montgomerycountypa.org/recycling](http://www.montgomerycountypa.org/recycling) or call the recycling line at 610.273.3618. Please do not contact the recycling line, as they are not staffed with the events.

In case of severe weather, call 610.273.3618, ext. 5 for assistance.

### 2019 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE

**ACCEPTABLE MATERIALS**

PAINT PRODUCTS	HOUSEHOLD PRODUCTS	AUTOMOTIVE PRODUCTS	HOUSEHOLD PRODUCTS	HOUSEHOLD TILES
Latex	Antifreeze	Motor Oil	Acetone	Asbestos Containing Material
Oil Based	Car Wash Soap	Transmission Fluid	Ammonia	Lead
Stain Remover	Drain Cleaner	Brake Fluid	Antifreeze	Mercury
Wood Preservative	Window Cleaner	Power Steering Fluid	Antibacterial	Refrigerant
Sealant	Disinfectant	Washer Fluid	Deodorant	Refrigerant
Primer	Wax	Windshield Washer Fluid	Hand Sanitizer	Refrigerant
Stain Remover	Wax	Windshield Washer Fluid	Hand Sanitizer	Refrigerant
Stain Remover	Wax	Windshield Washer Fluid	Hand Sanitizer	Refrigerant
Stain Remover	Wax	Windshield Washer Fluid	Hand Sanitizer	Refrigerant
Stain Remover	Wax	Windshield Washer Fluid	Hand Sanitizer	Refrigerant

**UNACCEPTABLE MATERIALS**

Flammable Liquids	Flammable Solids	Flammable Gases	Flammable Dusts	Flammable Powders
Gasoline	Flammable Solids	Flammable Gases	Flammable Dusts	Flammable Powders
Gasoline	Flammable Solids	Flammable Gases	Flammable Dusts	Flammable Powders
Gasoline	Flammable Solids	Flammable Gases	Flammable Dusts	Flammable Powders
Gasoline	Flammable Solids	Flammable Gases	Flammable Dusts	Flammable Powders
Gasoline	Flammable Solids	Flammable Gases	Flammable Dusts	Flammable Powders

**DROP OFF GUIDELINES**

- Residents and businesses will be turned away from collection events if they are not prepared.
- All materials must be properly packaged with labels. Heavy items will be identified. Do not use hazardous materials in your home.
- Liquids must be in original containers or properly labeled. Do not use hazardous materials in your home.
- Maximum weight per household is 200 pounds or 200 gallons. Do not use hazardous materials in your home.
- Maximum number of vehicles per household is 20. Do not use hazardous materials in your home.
- There is an additional drop off location in the region for household hazardous waste. Visit [www.montgomerycountypa.org/recycling](http://www.montgomerycountypa.org/recycling) for more information.

### HOUSEHOLD HAZARDOUS WASTE COLLECTION INFORMATION

**ACCEPTABLE MATERIALS**

Category	Accepted	Not Accepted	Prohibited	Prohibited	Prohibited
Automotive	Antifreeze	Oil	Gasoline	Transmission Fluid	Brake Fluid
Household	Acetone	Ammonia	Antibacterial	Hand Sanitizer	Deodorant
Paint	Latex	Oil Based	Stain Remover	Wood Preservative	Sealant
Flammable	Gasoline	Antifreeze	Transmission Fluid	Brake Fluid	Power Steering Fluid
Refrigerant	Refrigerant	Refrigerant	Refrigerant	Refrigerant	Refrigerant

**UNACCEPTABLE MATERIALS**

Category	Not Accepted	Not Accepted	Not Accepted	Not Accepted
Flammable	Flammable	Flammable	Flammable	Flammable
Flammable	Flammable	Flammable	Flammable	Flammable
Flammable	Flammable	Flammable	Flammable	Flammable
Flammable	Flammable	Flammable	Flammable	Flammable
Flammable	Flammable	Flammable	Flammable	Flammable

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- Maximum weight per household is 200 pounds or 200 gallons. Do not use hazardous materials in your home.
- Maximum number of vehicles per household is 20. Do not use hazardous materials in your home.
- There is an additional drop off location in the region for household hazardous waste. Visit [www.montgomerycountypa.org/recycling](http://www.montgomerycountypa.org/recycling) for more information.

### The History of West Norriton Township

HISTORY OF BOOKS FOR ONLY \$4.00 or \$5.00

For more information, visit [www.westnorritontownship.org](http://www.westnorritontownship.org)

### GOVERNMENT-FUNDED HOME IMPROVEMENT PROGRAM

Program-guaranteed payment for completed work. Fully funded projects are ready to bid. We are sent directly to you at no cost. Call today for more information. [www.westnorritontownship.org](http://www.westnorritontownship.org)

For additional information, call 610.664.2700

### HOUSEHOLD HAZARDOUS WASTE MONTGOMERY COUNTY PA RESIDENTIAL EVENTS

9:00 am - 3:00 pm

April 27: Middle School East  
 May 4: Middle School West  
 May 18: Middle School North  
 May 25: Middle School South  
 June 1: Middle School Central  
 June 8: Middle School West  
 June 15: Middle School East  
 June 22: Middle School North  
 June 29: Middle School South  
 July 6: Middle School Central  
 July 13: Middle School West  
 July 20: Middle School East  
 July 27: Middle School North  
 August 3: Middle School South  
 August 10: Middle School Central  
 August 17: Middle School West  
 August 24: Middle School East  
 August 31: Middle School North  
 September 7: Middle School South  
 September 14: Middle School Central  
 September 21: Middle School West  
 September 28: Middle School East  
 October 5: Middle School North  
 October 12: Middle School South  
 October 19: Middle School Central  
 October 26: Middle School West  
 November 2: Middle School East  
 November 9: Middle School North  
 November 16: Middle School South  
 November 23: Middle School Central  
 November 30: Middle School West  
 December 7: Middle School East  
 December 14: Middle School North  
 December 21: Middle School South  
 December 28: Middle School Central

For additional information and in case of severe weather, please visit [www.montgomerycountypa.org/recycling](http://www.montgomerycountypa.org/recycling) or call the recycling line at 610.273.3618. Please do not contact the recycling line, as they are not staffed with the events.

In case of severe weather, call 610.273.3618, ext. 5 for assistance.

### 2019 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE RESIDENTIAL EVENTS

All Events 9am-3pm. NO ELECTRICAL ACCEPTANCE.

Date	Location	Time	Drop Off
April 27	Middle School East	9:00 am - 3:00 pm	Yes
May 4	Middle School West	9:00 am - 3:00 pm	Yes
May 18	Middle School North	9:00 am - 3:00 pm	Yes
May 25	Middle School South	9:00 am - 3:00 pm	Yes
June 1	Middle School Central	9:00 am - 3:00 pm	Yes
June 8	Middle School West	9:00 am - 3:00 pm	Yes
June 15	Middle School East	9:00 am - 3:00 pm	Yes
June 22	Middle School North	9:00 am - 3:00 pm	Yes
June 29	Middle School South	9:00 am - 3:00 pm	Yes
July 6	Middle School Central	9:00 am - 3:00 pm	Yes
July 13	Middle School West	9:00 am - 3:00 pm	Yes
July 20	Middle School East	9:00 am - 3:00 pm	Yes
July 27	Middle School North	9:00 am - 3:00 pm	Yes
August 3	Middle School South	9:00 am - 3:00 pm	Yes
August 10	Middle School Central	9:00 am - 3:00 pm	Yes
August 17	Middle School West	9:00 am - 3:00 pm	Yes
August 24	Middle School East	9:00 am - 3:00 pm	Yes
August 31	Middle School North	9:00 am - 3:00 pm	Yes
September 7	Middle School South	9:00 am - 3:00 pm	Yes
September 14	Middle School Central	9:00 am - 3:00 pm	Yes
September 21	Middle School West	9:00 am - 3:00 pm	Yes
September 28	Middle School East	9:00 am - 3:00 pm	Yes
October 5	Middle School North	9:00 am - 3:00 pm	Yes
October 12	Middle School South	9:00 am - 3:00 pm	Yes
October 19	Middle School Central	9:00 am - 3:00 pm	Yes
October 26	Middle School West	9:00 am - 3:00 pm	Yes
November 2	Middle School East	9:00 am - 3:00 pm	Yes
November 9	Middle School North	9:00 am - 3:00 pm	Yes
November 16	Middle School South	9:00 am - 3:00 pm	Yes
November 23	Middle School Central	9:00 am - 3:00 pm	Yes
November 30	Middle School West	9:00 am - 3:00 pm	Yes
December 7	Middle School East	9:00 am - 3:00 pm	Yes
December 14	Middle School North	9:00 am - 3:00 pm	Yes
December 21	Middle School South	9:00 am - 3:00 pm	Yes
December 28	Middle School Central	9:00 am - 3:00 pm	Yes

For additional information, visit [www.montgomerycountypa.org/recycling](http://www.montgomerycountypa.org/recycling) or call 610.273.3618.



Stony Creek Anglers

29 March · 🌐

...



## SRT SPRING CLEAN UP!

**Saturday April 13<sup>TH</sup> 2–4 pm**

Inviting all trail users to come together for a fun day of trail work & stewardship on the Schuylkill River Trail. Whether you are a cyclist, runner, hiker, equestrian, trail-work veteran or first-timer, we welcome you!

**LOCATION:** Fork and Ale restaurant - lower parking lot

**TIME:** Instructional meeting with Robert Folwell of Schuylkill River Greenways begins at 2:00PM. Trail clean-up immediately following

**WHAT TO BRING:** Sturdy shoes, long sleeved shirt, pants, and rain gear (if needed)

**ALL TRAIL WORK TOOLS AND WORK GLOVES ARE PROVIDED** by Schuylkill River Greenways! You are welcome to bring your own hand tools and/or gloves.

**WHAT WE WILL ACCOMPLISH:** We will break up into two groups to cover Fork and Ale's sponsored section of the trail. Cleanup efforts will include pruning overgrowth, picking up litter, and raking, as well as connecting with nature and others.

**AFTER PARTY!** Fork and Ale will offer complementary chili and cornbread, beverages, or PINT of beer (for age appropriate volunteers), along with a raffle for prizes



**SCHUYLKILL RIVER**  
**GREENWAYS** NATIONAL  
HERITAGE  
AREA



**Stony Creek Anglers**

9 March · 🌐



Remember, March 23rd!



[About This Website](#)

TIMESHERALD.COM

### **Stony Creek Anglers to hold 33rd annual cleanup**

Stony Creek Anglers will hold the 33rd annual cleanup from 8 a.m. till noo...

65

4 comments 34 shares

Like

Comment

Share



**Stony Creek Anglers**

21 February · 🌐



Stony Creek Anglers  
P.O. Box 566  
Eagleville, Pa. 19408



Established 1997

A Non-Profit Organization

President: Charles Wood  
Vice-president: Andrew Nesbitt  
Treasurer: Danielle London  
Recording Secretary: Joseph Bednarz  
Nursery Manager: Mike Sherman

## **STONY CREEK ANGLERS**

### **33<sup>rd</sup> Annual Memorial Clean Up**

# **Saturday March 23, 2019**

## **8:00 AM till Noon – RAIN or SHINE**

**Meet at the Bocce Court in Elmwood Park**

**We Will Provide: Gloves & Bags**

**Dress According to Weather - If Possible Bring Waders**

**For More Information Call Chas Wood at 267-438-2572**

**Hot Chocolate & Coffee Provided By Starbucks**

**Trucks & Drivers Provided by the Borough of Norristown, Elmwood Park Zoo & London Landscaping**

**Facilities Provided by the Norristown Bocce League**

**Lunch Provided By the Anglers & The Norristown Maenner-Chor Club**

**This Year's Clean Up Is Dedicated In Memory of**



**Stewart D. Longacre, Jr.**

*June 28, 1948 - February 28, 2018*

**Stewart Longacre**

*June 28, 1948 - February 28, 2018*



**Robert Whalon**

*April 14, 1941 - December 2, 2017*

👍 26

1 comment 22 shares

👍 Like

💬 Comment

➦ Share



Established 1997

# STONY CREEK ANGLERS

## NEWSLETTER – MARCH/APRIL 2019



### *Happy Saint Patrick's Day & Happy Easter*

#### **Notes from the President: Hello Everyone!!!**

After a 2-month delay with my skin grafts I am now on #2 of 10 scheduled treatments. All is going well. Please keep me in your prayers.

We have received a \$10,000 donation from the Arcadia Foundation for operating expenses. We are thankful for their continued support. In addition, we also received a \$500 donation from Renewal by Anderson for our trout nursery.

The Officers of the Stony Creek Anglers and the Board of Directors would like to wish all of our members a Happy Saint Patrick's Day and a Happy Easter. We hope to see some new faces at our next meeting in January at the Norristown Maennor-Chor Club, 920 West Haws Avenue, Norristown, PA.

God Bless America  
*Charles J. Wood*  
President - Stony Creek Anglers

#### **S.C.A. Events:**

*Tuesday, March 12<sup>th</sup> 2019, SCA Monthly Meeting*, will be held at the Norristown Maennor-Chor Club, 920 West Haws Avenue, Norristown, PA. at 7:30PM. We will have a 50/50 drawing, club news and other events. Please bring a friend along.

*Saturday, March 16<sup>th</sup> 2019, Skippack Creek stocking*, Meet at the nursery at 9AM.

*Saturday, March 23<sup>rd</sup> 2019, the 33rd Annual Stony Creek Memorial Clean Up*, "Rain or Shine" meet at the Bocce Cabin on Harding Blvd. 8AM to 12 noon. We will supply gloves, bags, coffee, donuts, 5 hours of community service for high school and college requirements, and free lunch to all volunteers. Dress according to the weather. Please bring boots or waders. Please join us. This year's Clean Up will be in memory of Stuart D. Longacre and Robert Whalon.

*Saturday, March 23<sup>rd</sup> 2019, Stocking of Stony and Kepner Creeks* at 1PM. Please bring boots.

*Saturday, March 30<sup>th</sup> 2019, Stocking of Hoy Park on the Skippack* at Arcola road. Meet at the nursery at 6AM.

*Tuesday, April 9<sup>th</sup> 2019, SCA Monthly Meeting*, will be held at the Norristown Maennor-Chor Club, 920 West Haws Avenue, Norristown, PA. at 7:30PM. We will have a 50/50 drawing, club news and other events. Please bring a friend along.

## **22<sup>nd</sup> Annual Trout Derby Preparation Dates for April:**

*Tuesday, April 9<sup>th</sup>, 2019, SCA Monthly and Trout Derby Organizing Committee Meeting*, at the Norristown Maennor-Chor Club at 7:30PM.

Work Party's; we will supply gloves, food, water and soda. Please bring boots or waders.

*Thursday, April 11<sup>th</sup>*, Meet at **Tractor Barn**. 6PM until dusk. Dam building, clean-up, pruning etc.

*Thursday, April 18<sup>th</sup>*, Meet at **Tractor Barn**. 6PM until dusk. Dam building, kiddie pool leveling

*Thursday, April 25<sup>th</sup>*, Meet at **Tractor Barn**. 6PM until dusk. Dam building, clean-up etc.

**WE NEED HELP FOR THE WORK PARTY'S!!!**

*Friday, April 26<sup>th</sup>, 2019, Derby Set-Up Day*, 9AM at the nursery. We will supply lunch and cold drinks. We will need help to: set up canopies, the kiddie pools, ramps for the handicapped area, the parking lot, the fish cleaning and measurement area, put up signs, banners etc. and tape off the sections for fishing. **WE WILL NEED HELP!!!**

*Saturday, April 27<sup>th</sup> & Sunday, April 28<sup>th</sup>, 2019, the 22<sup>nd</sup> Annual Stony Creek Trout Derby*, Hours 8AM-5PM Saturday, 7AM to 4PM Sunday. Enter though Gate 5 of the Norristown State Hospital on Stanbridge Street. The Gates open at 6AM on both days. The derby will be held in memory of Roger D. Lauderback, Jocelyn Nocito and Stewart D. Longacre. **WE WILL NEED HELP!!!**

*Sunday, April 28<sup>th</sup>, 2019, Take Down*, starting at **5PM** at the tractor barn. We will take down canopies, handicapped ramps, kiddie pools, parking area, signs cones caution tape, remove trash, take down tables and chairs and put them away etc. **WE WILL NEED HELP!!!**

### **Other Events to Consider:**

*Saturday, March 16<sup>th</sup>, 2019, St. Patrick's Parade* will be held in **Conshohocken** at 2PM. We will have a full-page Ad for our Trout Derby in the parade program booklet.

*Monday, March 18<sup>th</sup>, 2019, PA Federation of Sportsman's Clubs Quarterly Meeting*. The meeting will be held at the Lower Merion Rod & Gun Club, Fagleysville Rd. off of Route 73 in Obelisk, PA at 7:30PM. PA Game Commission report, PA Fish & Boat report, legislation news, club news and refreshments. All SCA members welcome.

*Friday, March 29<sup>th</sup>, 2019, Sport Fishin' Outlet*, will have extended hours for the opening day of Trout Season.

*Saturday, March 30<sup>th</sup>, 2019, Opening Day of Trout Season* starting at 8AM. Trout Stamp and Fishing License necessary for ages 16 and up.

*Saturday, April 6<sup>th</sup>, 2019, the 6<sup>th</sup> Wissahickon Anglers Trout Derby*. The event will be held on the Monastery section of the creek from 7AM to 7PM. Children only \$30.00.

*Sunday, April 7<sup>th</sup>, 2019, the 7<sup>th</sup> Wissahickon Anglers Adult Trout Derby*. The event will be held on the Monastery section of the creek from 7AM to 7PM. All proceeds will go to a needy family in Roxborough.

# Pennsylvania Public Notices

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Thursday, June 27, 2019

## LEGAL NOTICES

WEST NORRITON TOWNSHIP MONTGOMERY COUNTY, PA PUBLIC NOTICE The West Norriton Township Pollutant Reduction Plan for Stony Creek, Indian Creek, and unnamed tributaries to the Schuylkill River has been updated and is available for public review on the Township website at <http://www.westnorritontwp.org/> and by request at the Township Building at 1630 W. Marshall St., Jeffersonville, PA 19403. Written comments from the public will be accepted for a period of 30 days from the date of this public notice. Verbal and written comments will also be accepted during the Board of Commissioners meeting scheduled for July 9, 2019 at 7:00pm at the Township Building. The Pollutant Reduction Plan describes proposed measures to be taken to reduce sediment pollution to Stony Creek, Indian Creek, and unnamed tributaries to the Schuylkill River within West Norriton Township and is a requirement of the Township's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit. NTH 6/5 1-a

Appeared in: *Times Herald* on Wednesday, 06/05/2019



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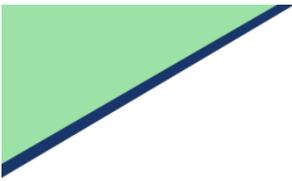
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# **APPENDIX C**

## **MCM #3**

### **Illicit Discharge Detection and Elimination**



### Dry Weather Outfall Field Screening

West Norriton Township  
NPDES ID: PAG130006

Date:	Time Inspected:
Outfall Number:	Outfall or Observation Point:
Lat/Long:	Inspector(s):
Subwatershed:	Contributing Drainage Area Land Use:

#### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water:
				With sediment:
Open				
In-stream?				
<b>Flow present?</b>				
Flow volume description (if present):				

#### Quantitative Characterization (field data for flowing outfalls)

Parameter		Result	Unit	Equipment
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured length		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mG/L	Test strip

#### Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow?

Indicator	Present?	Description	Relative Severity
Odor			
Color			
Turbidity			
Floatables			



### Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present?

Indicator	Present?	Description	Comments
Outfall Damage			
Deposits/Stains			
Abnormal Vegetation			
Poor pool quality			
Pipe benthic growth			

Overall outfall characterization for an illicit discharge:

#### Data Collection

1. Sample for the lab?	
2. If yes, collected from:	
3. Intermittent flow trap set?	
4. Flow trap type:	

Any non-illicit discharge concerns?

Notes:



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Photograph 1

Photograph 2

# **APPENDIX D**

## **MCM #5**

### **Post Construction Stormwater Management**



## BMP INVENTORY

BMP ID	BMP Name	Site	# of BMPs	Site Address	Owner
1	Underground Detention Facility	West Norriton Self Storage	1	2112 W. Main Street	Public Storage, Inc.
2	Detention Basin	Oakland Farms	1	239 Egypt Road	West Norriton Twp
3A	Detention Basin	The Church of Jesus Christ of Latter-Day Saint	1	2530 Stinson Lane	The Church of Jesus Christ of Latter-Day Saint
3B	Snout	The Church of Jesus Christ of Latter-Day Saint	1	2530 Stinson Lane	The Church of Jesus Christ of Latter-Day Saint
4A	Rain Garden	Jubilee Presbyterian Church	3	1911 W. Marshall Street	Jubilee Presbyterian Church
4B	Infiltration Trench	Jubilee Presbyterian Church	2	1911 W. Marshall Street	Jubilee Presbyterian Church
4C	Porous Paving	Jubilee Presbyterian Church	1	1911 W. Marshall Street	Jubilee Presbyterian Church
5	Detention Basin	Visitation BVM Parish	1	196 N. Trooper Road	Archdiocese of Philadelphia
6	Detention Basin	Fairways at Green Meadows	1	101 Fairway Lane	Fairways Residential LP
7	Detention Basin	Mobile Lifts Inc.	1	2 Liberty Avenue	Jean Holt
8	Underground Basin	Mikelen, LLC	1	431 Burnside Avenue	Roderick Williams
9	Detention Basin	Yocum Roofing	1	48 S. Trooper Rd	Frank Yocum
10	Detention Basin	Marshall Street Elementary School	1	525 W Marshall St	West Norriton School Authority
11A	Detention Basin	St. Sophia's Church	1	900 S Trooper Rd	St Sophia Greek Orthodox Church
11B	Bioretention	St. Sophia's Church	2	900 S Trooper Rd	St Sophia Greek Orthodox Church
12	Constructed Wetland Basin	Norristown High School	1	1900 Eagle Dr	Norristown Area School District
13	Infiltration Trench	Transply Inc.	1	2575 Industry Ln	Ray Gross
14	Detention Basin	Wawa	1	2544 W. Main St	Wawa Inc.
15	Seepage Bed	Durante Tract	1	519 Port Indian Rd	George Chad Springer
16	Underground Stone Infiltration Pit	Chestnut Woods- Lot 1	1	139 Clemens Circle	Jaylene Penrod
17	Underground Stone Infiltration Pit	Chestnut Woods- Lot 2	1	137 Clemens Circle	Joseph Logue
18	Underground Stone Infiltration Pit	Chestnut Woods- Lot 3	1	135 Clemens Circle	Mary Howard
19	Seepage Bed	455 Burnside Avenue	1	455 Burnside Avenue	Couchara John and Karen
20	Detention Basin	The Greens at Westover	1	Brandon Rd	VRJ Associates
21	Detention Basin	State Police Dispatch Center	1	1001 Sterigere St.	Commonwealth of Pennsylvania
22	Seepage Bed	Cooke Subdivision	1	51 S. Montgomery Ave	Cook Matthew and Eileen
23A	Underground Detention Facility	Valley Forge Marketplace	1	416 & 432 Egypt Road	DeVal Properties Associates
23B	Seepage Bed	Valley Forge Marketplace	1	416 & 432 Egypt Road	DeVal Properties Associates
24	Detention Basin	Burnside Village	1	Sterigere St	West Norriton Twp

# **APPENDIX E**

## **MCM #6**

### **Pollution Prevention / Good Housekeeping**

## Back to the Basics: What is Stormwater and How is it Regulated?

Multi-Municipal MS4 Training



Mikah Schlesinger  
Environmental Scientist

1

## Objectives

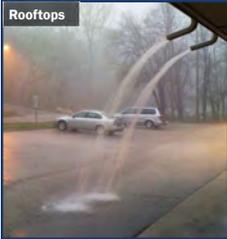
- Define Stormwater
- Define Municipal Separate Storm Sewer System (MS4)
- Explain Why Stormwater Management is Important
- How is Stormwater Regulated?
  - Introduce the NPDES MS4 Permit




2

## What is Stormwater?

Runoff from rainfall and snowmelt that flows over land or other impervious surfaces where infiltration cannot take place.



Rooftops



Roads/sidewalks



Parking lots



3

## What is a Municipal Separate Storm Sewer System (MS4)?

- MS4s are separated from the sewage lines; one set for the stormwater and another for sewage.
- MS4s are required to get NPDES permits: point source discharges of water mixed with various pollutants
  - Owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.
  - Designed or used to collect or convey stormwater (e.g., storm drains, pipes, ditches)




4

## Why is Stormwater Management Important?

Stormwater is **untreated** and collects **pollutants** as it flows overland:



Bacteria from animal waste



Nutrients and chemicals from garden fertilizers and pesticides



Sediment from construction sites



Volume of stormwater



Oil from leaking cars



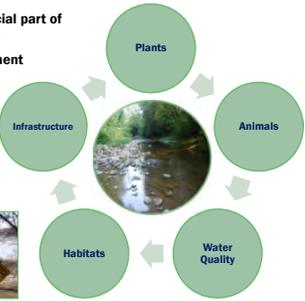
Metals from industrial substances



5

## Why Should We Care About Stormwater Management?

- Stormwater management is a crucial part of being environmentally responsible
- Affects all aspects of our environment
- Impact and entire watershed





6

## How is Stormwater Regulated?!

- Your Municipality has a MS4
- What does this mean?
  - You have a responsibility to protect your local streams from stormwater runoff pollution.
  - The National Pollutant Discharge Elimination System (NPDES) program regulates point source discharges to streams and rivers.
  - Subject to fines and penalties by the federal and state government.
  - The next presentation will focus on the MS4 program.




7

## Back to the Basics Review!!!

1. What is an example of an impervious surface?  
*Urrrwwsv#trdgvtwlgzh dnv#lqg#sdunlqj#brw*
2. What is an example of stormwater pollution?  
**Bacteria from animal waste, Nutrients and chemicals from garden fertilizers and pesticides, Sediment from construction sites, Stormwater volume, Oil from leaking cars, Metals from industrial substances**
3. What does MS4 stand for?  
**Municipal Separate Storm Sewer System**



8



## The MS4 Program

### Multi-Municipal MS4 Training



**Beth Uhler**  
MS4 Program Manager



9

## Background

### What is the NPDES MS4 Program?

- National Pollutant Discharge Elimination System
- Municipal Separate Storm Sewer System
- EPA-mandated (NPDES)
- DEP administers in Pennsylvania
- Ultimate goals for the MS4 program
  - Recognize and increase awareness of stormwater as a point-source pollutant
  - Manage stormwater as any other point-source pollutant (i.e. wastewater, industrial, etc.)



10

## Background

- **Permit Round 1 – 2003 - 2013**
  - Implement Best Management Practices (BMPs) under Six (6) Minimum Control Measures (MCMs)
- **Permit Round 2 – 2013 - 2018**
  - Continuation of MCMs
  - Added Total Maximum Daily Load (TMDL) Requirements
    - Wissahickon Creek, Neshaminy Creek, Skippack Creek, Christina River Basin



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## Minimum Control Measures

1. Public Education & Outreach
2. Public Involvement & Participation
3. Illicit Discharge Detection & Elimination
4. Construction Site Stormwater Runoff Control
5. Post Construction Stormwater Management for Development & Redevelopment
6. Pollution Prevention/Good Housekeeping

**\*Annual Report\***



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### Public Education & Outreach (MCM #1)



**Permit Requires:**

- **Written PEOP Program**
  - Review annually and update as needed.
  - Plans and goals.
- **Target Audience Lists**
  - Review annually and update as needed.
- **Publish at least one (1) education item per year**
  - Website
  - Newsletter
- **Distribute stormwater educational materials to target audiences using at least two (2) distribution methods per year**
  - Displays, posters, signs
  - Pamphlets, booklets, brochures, mailings, fact sheets
  - Radio, local TV, newspaper articles, other advertisements
  - Presentations, conferences, meetings
  - Workshops, giveaways, storm drain stenciling

**DOCUMENT, DOCUMENT, DOCUMENT!**

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### Public Involvement & Participation (MCM #2)

**Permit Requirements:**

- **Written PIPP Program**
  - Review annually and update as needed
  - Identifies plans and goals
  - Opportunities for the public to participate in decision-making processes
  - Routine communication with watershed associations and other environmental organizations
  - Make Progress Reports available to the public
    - Website
    - Township Building
    - By Mail, etc.
- **Public Input on Stormwater-Related Ordinances**
- **At least one (1) Public Meeting**
- **Stream clean-ups, volunteer plantings, community events, etc.**

**DOCUMENT, DOCUMENT, DOCUMENT!**



Brandywine Red Clay Alliance  
 cfc Watersheds Association  
 Chester • Ridley • Crum  
 Valley Forge Watershed Association

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### Illicit Discharge Detection & Elimination (MCM #3)

#### What is an Illicit Discharge?



- Any discharge (or seepage) to a MS4 that is not composed entirely of stormwater.
- Does not refer to discharges authorized under an NPDES permit.

**EXAMPLES:**

- Motor vehicle fluids
- Household hazardous wastes
- Grass clippings
- Leaf litter
- Animal wastes
- Unauthorized sewage discharges, industrial waste, or restaurant waste



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### Illicit Discharge Detection & Elimination (MCM #3)

**Permit requires:**

- Written IDD&E Program
- Mapping
- Outfall Field Screening
- Ordinance Prohibiting Non-Stormwater Discharges into the MS4
  - Must be consistent with DEP's 2022 Model Stormwater Management Ordinance and submitted to DEP by September 30, 2022
- Educational outreach specific to IDD&E



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### Construction Site Runoff Control (MCM #4)

#### Erosion and Sediment Control



**Statewide program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities through DEP, County Conservation District, and Municipality SATISFIES this permit requirement.**

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### Post Construction Stormwater Management in New and Re-Development (MCM #5)

**Permit requires:**

- Statewide Program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities through DEP & the County Conservation District **SATISFIES A PORTION** of this permit requirement.
- Ordinance
- Low Impact Development (LID)
- PCSM BMP Inventory
- Written PCSM BMP Inspection Program **for BMPs approved after 2003** (Operations & Maintenance)



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### BMP Inspections Example

Photo 1.

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### Pollution Prevention/Good Housekeeping (MCM #6)

**Permit Requires:**

- Written Operations & Maintenance Program**
  - Review annually and update as needed
  - Township-owned facilities and activities
- Written Employee Training Program (for everyone!)**
  - Review annually and update as needed
  - Hold **one (1)** Employee Training per year (you are completing this requirement as we speak!)

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### What's Next? Permit Round 3

- Effective in March 2018 (due September 2017)
- Continuation of MCMs

**★NEW:**

- Pollutant Reduction Plans (PRPs)**  
A planning document prepared by the permittee which guides the selection and implementation of specific BMPs to reduce pollutant loading to surface waters Impaired by Nutrients and/or Sediment
- Pollutant Control Measures (PCMs)**  
Activities undertaken by the MS4 permittee to identify and control pollutant loading to impaired waters from MS4s, regardless of whether a TMDL has been approved.

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### Pollutant Reduction Plan (PRP)

- 534 : 0534 ; Û S œdqqlj
- 534 ; 05356 Û Ghvljq# ) #F rqvwxwfrq

- Plans submitted to DEP August/September 2017
- 5-year Implementation Period will not begin until PRP is approved.

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### Pollutant Control Measures (PCMs)

Requirement	Description	Submission date
<b>Storm Sewershed Mapping</b>	Develop map(s) of the storm sewershed(s) associated with all outfalls that discharge to surface waters subject to waters impaired by PCB/pathogens	<b>September 30, 2019</b>
<b>Source Inventory</b>	Develop an inventory of all suspected pollution sources in stormwater within the drainage area of outfalls discharging to impaired by PCBs/pathogens	<b>September 30, 2020</b>
<b>Investigation of each suspected source</b>	The investigation must include stormwater sampling if the investigation is required as part of implementing the IDD&E program under MCM #3 of the General Permit, and otherwise is voluntary.	<b>September 30, 2022</b>
<b>Ordinance for Controlling Animal Wastes (for waters impaired by pathogens)</b>	Enact an ordinance that requires proper management of animal wastes on property owned by the permittee.	<b>September 30, 2022</b>
<b>Progress Documentation</b>	document the progress of its investigations, source control efforts and BMPs to control sources of Priority Organic Compounds.	<b>Every Annual MS4 Status Reports</b>

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### Municipal MS4 Requirements:

Municipality	Impaired downstream waters or applicable TMDL name	PRP	PCM	TMDL
Cain Township	2. hvwvdytk&ldggj   a lq#lbbn	Qv&ldqg#l'z&ldq	SFE&ld rql tk&v&ldqg#l'z&ldq   a,	00
South Coatesville Borough	X. qgqdp hq#l&v&ldqg#l'z&ldq   a lq#lbbn	V&ldq	00	00
	2. hvwvdytk&ldggj   a lq#lbbn	Qv&ldqg#l'z&ldq	SFE&ld rql tk&v&ldqg#l'z&ldq   a,	00
West Norriton Township	lqg l'z&ldq   a lq#lbbn	V&ldq	00	00
	V. lqg l'z&ldq   a lq#lbbn	V&ldq	SFE&ld rql tk&v&ldqg#l'z&ldq   a,	00
	X. qgqdp hq#l&v&ldqg#l'z&ldq   a lq#lbbn	V&ldq	00	00
Westtown Township	V. lqg l'z&ldq   a lq#lbbn	00	SFE&ld rql tk&v&ldqg#l'z&ldq   a,	00
	E. lqg l'z&ldq   a lq#lbbn	V&ldq	00	00
	F. lqg l'z&ldq   a lq#lbbn	V&ldq	S. d&ldq   lqg	00
	H. hvwvdytk&ldggj   a lq#lbbn	V&ldq	00	00
	J. r. hvwvdytk&ldggj   a lq#lbbn	V&ldq	00	Q. v&ldqg
	K. qgqdp hq#l&v&ldqg#l'z&ldq   a lq#lbbn	V&ldq	00	00
East Brandywine Township	S. qgqdp hq#l&v&ldqg#l'z&ldq   a lq#lbbn	V&ldq	00	00
	U. lqg l'z&ldq   a lq#lbbn	V&ldq	00	00
	X. qgqdp hq#l&v&ldqg#l'z&ldq   a lq#lbbn	V&ldq	00	00

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## How will the Township pay for these projects in the future?

- Grants?
- Low-Interest Loans?
- General Fund?
- Public-Private Partnerships?
- Stormwater Fee/Authority?
- Stay tuned... More information in the *Stormwater Funding Sources* presentation.




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## The MS4 Program Review!!!

1. What is a new permit requirement in 2018?  
**Pollutant Reduction Plans and Pollutant Control Measures**
1. What is the most important thing to do to ensure compliance?  
**Document, Document, Document!!!**
3. What is MCM #6?  
**Pollution Prevention/Good Housekeeping**



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## IDD&E and Good Housekeeping

Multi-Municipal MS4 Training



Amanda Reitbauer  
GIS Specialist

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## Objectives

- **MCM #3 – Illicit Discharge Detection and Elimination (IDD&E)**
  - What is an Illicit Discharge?
  - How to Detect an Illicit Discharge? (Examples)
  - Dry Weather Outfall Screening Procedure
- **MCM #6 – Pollution Prevention and Good Housekeeping**
  - Operation and Maintenance (O&M) Program Requirements
  - EPA/DEP Audits
  - Good Housekeeping Examples
  - O&M Inspection Protocol



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## MCM #3 - IDD&E

### What is an Illicit Discharge?

- Any discharge (or seepage) to a MS4 that is not composed entirely of stormwater.
  - Does not refer to discharges authorized under an NPDES permit.









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## MCM #3 - IDD&E

### How do you detect an Illicit Discharge?

- What to look for:
  - Color
  - Clarity
  - Oil sheen
  - Odor
  - Floating solids
  - Suspended solids
  - Foam
  - Other visible indicators of pollution



EXAMPLES.....



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### Motor vehicle fluids (oil, etc.)

**Color:** Rainbow sheen  
**Odor:** Petroleum or gasoline smell



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### Soaps, detergents

**Color:** White, grey, cloudy  
**Odor:** Laundry detergent, soaps, or none at all



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### Sediment

**Color:** Brown, orange/yellow, "chocolate milk"  
**Odor:** None



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### Sewage

**Color:** Grey  
**Odor:** Sulfur, fecal matter



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### Restaurant Grease

**Color:** Yellow, golden, brown  
**Odor:** Cooking grease, petroleum



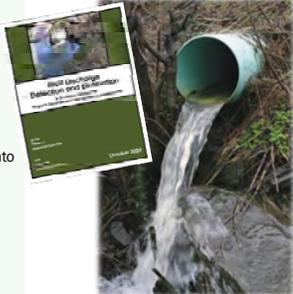
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### MCM #3 - IDD&E Permit Requirements

**Permit requires:**

- Written IDD&E Program
- Mapping
- **Outfall Field Screening**
- Ordinance Prohibiting Non-Stormwater Discharges into the MS4
- Educational outreach specific to IDD&E



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### MCM #3 - IDD&E Outfall Field Screening- SECTIONS 5-8

**Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls**  
Any physical indicators that are not related to flow present?  Yes  No (If No, skip to Section 6)

INDICATOR	CHECK IF PRESENT	DESCRIPTION	COMMENTS
Outlet Design	<input type="checkbox"/>	Difficult to look in Channel <input type="checkbox"/> Posing Pool	
Manholes	<input type="checkbox"/>	Open <input type="checkbox"/> Flow Line <input type="checkbox"/> Paved <input type="checkbox"/> Other	
Normal Vegetation	<input type="checkbox"/>	Present <input type="checkbox"/> Absent	
Pool and weath	<input type="checkbox"/>	Open <input type="checkbox"/> Paved <input type="checkbox"/> Other	
Plant beds, growth	<input type="checkbox"/>	Present <input type="checkbox"/> Absent	

**Section 6: Overall Outfall Characteristics**  
 Unlikely  Potential (presence of flow or signs indicated)  Stopped (no or trace indicators with a severity of 3)  Obvious

**Section 7: Data Collection**

1. Sample for the 100?  Yes  No

2. If you collected from:  Flow  Pool  Other

3. How many flow samples?  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20

**Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?**

D-4 Illicit Discharge Detection and Elimination: Technical Appendixes



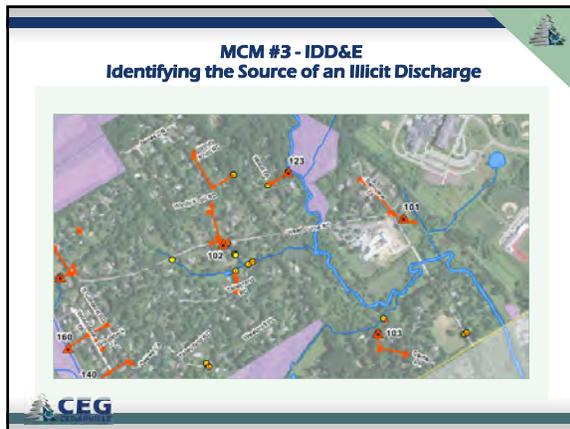
43

### What Do You Do When You See An Illicit Discharge?

- **Resident:** Call Municipality
- **Public Works:** Report to MS4 point person




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### Eliminating an Illicit Discharge

- Voluntary Compliance
- Enforcement
  - Enforcement Notice
  - Notice of Violation
  - Citation
  - Cease & Desist Order
  - Penalties and fines
- Program Documentation




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### MCM #3 - IDD&E STORMWATER MANAGEMENT ORDINANCE

**Prohibited Discharges**

Discharges from the following sources are prohibited:

- Discharges from firefighting activities;
- Potable water sources including waterline and fire hydrant flushings;
- Irrigation drainage;
- Air-conditioning condensate;
- Springs;
- Water from crawl space pumps;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spill material has been removed) and where detergents are not used;
- Diverted stream flows;
- Flows from riparian habitats and wetlands;
- Uncontaminated water from foundations or from footing drains;
- **Lawn watering;**
- **Dechlorinated swimming pool discharges;**
- Uncontaminated groundwater;
- **Water from individual residential car washing;** and
- Routine external building washdown (which does not use detergents or other compounds).



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### MCM #3 - IDD&E STORMWATER MANAGEMENT ORDINANCE

**Authorized Discharges**

- Discharges allowed under a state or federal permit;
- **Discharges from firefighting activities;**
- Potable water sources including waterline and fire hydrant flushings;
- Irrigation drainage;
- Air-conditioning condensate;
- Springs;
- Water from crawl space pumps;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spill material has been removed) and where detergents are not used;
- Diverted stream flows;
- Flows from riparian habitats and wetlands;
- Uncontaminated water from foundations or from footing drains;
- **Lawn watering;**
- **Dechlorinated swimming pool discharges;**
- Uncontaminated groundwater;
- **Water from individual residential car washing;** and
- Routine external building washdown (which does not use detergents or other compounds).



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### MCM #6 Pollution Prevention and Good Housekeeping

- **Goal of O&M Program is to:**
  - prevent/reduce pollutants from municipal operations to the maximum extent practical




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### EPA/DEP Audits

- O&M Program is there to help when EPA/DEP comes to audit!
- **IMPORTANT** to keep records and documents of repairs, events, or anything pertaining to the stormwater system
- EPA/DEP auditing began in 2017-2018




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### Audits – Continued

- **Non-compliance is costly**
  - Four central PA communities were fined in 2010 for stormwater violations. One community was fined \$177,500.
- **What do they want to see?**
  - Clean work spaces
  - Labeled chemicals/containers
  - Signage
  - Preparedness for spills
  - Etc.




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### Good Housekeeping

- Maintain a clean and orderly work environment
- Keep floors clean and dry
- Regularly pick up garbage and waste materials and place in the dumpster




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### Hazardous Spill Clean-up Sheet

Inventory Sheet No.: \_\_\_\_\_ Date of Spill: \_\_\_\_\_  
 Storage Facility Name & Address: \_\_\_\_\_  
 (Requester Name(s)): \_\_\_\_\_ Time of Spill: \_\_\_\_\_

What was spilled and how much?  
 \_\_\_\_\_  
 \_\_\_\_\_

How long after the spill occurred did clean-up operations commence?  
 \_\_\_\_\_

How was the spill cleaned up and how was the material disposed off?  
 \_\_\_\_\_

Are there any other actions that need to be undertaken regarding this spill?  
 \_\_\_\_\_

Contractor/Public Works Personnel Contact Information:  
 Employee:  
 Name:  
 Phone Number:  
 Address:  
 \_\_\_\_\_

Additional Comments  
 \_\_\_\_\_



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### Materials Storage & Handling

- Improper storage can lead to the release of materials
- Clean, organized spaces
- Hazardous materials inventory



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### Materials Storage & Handling

- Containers, drums, and bags stored away
- All chemicals stored in a designated cabinet
- Chemical, fluids and supplies kept indoors
- If outside, containers to be covered and placed on platforms
- Contain spill with dike, berm, or absorbent materials and dispose of properly after use

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### Materials Inventory Log

Year: \_\_\_\_\_  
Municipality: \_\_\_\_\_

Material	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Soil (amount used)												
Yard Waste (amount collected)												
Street Sweeping (amount collected)												
Other: _____												
Other: _____												

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### Stormwater Inspections

- **What to inspect:**
  - BMPs
  - Storm Drain Inlets
  - Storm Sewer Piping, Drainage Channels, and Outfalls

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### Stormwater BMPs

- Inspect after severe weather to ensure proper functioning
- All inspections, results, and recommendations are to be documented

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### Storm Drain Inlets

- Inspect to determine trash/sediment load and overall condition of the structure
- Check for evidence of illegal dumping or illicit discharges
- **Document!!!**

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### Storm Sewer Piping, Drainage Channels, and Outfalls

- Inspect for:
  - Trash, debris, sediment build-up, obstructions, and water quality
- **Document!!!**

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**Storm Sewer System Operation & Maintenance Form**

Date of Inspection: \_\_\_\_\_ Facility Name: \_\_\_\_\_  
 Inspector: \_\_\_\_\_ Facility Location: \_\_\_\_\_

Component/Name to Check	Problems Observed	Maintenance/Repairs Necessary		Comments	Location (Block & Address Range, Intersection)
		Yes	Yes/No		
Catch basins/Inlets	<input type="checkbox"/> Deterioration of Structure				
	<input type="checkbox"/> Clogged Inlets During or After Storm Event				
Storm Manhole	<input type="checkbox"/> Deposits in Structure				
	<input type="checkbox"/> Deterioration of Structure				
Storm Sewer Piping	<input type="checkbox"/> Clogged Pipe				
	<input type="checkbox"/> Deteriorated Pipe				
Ditches/Swales	<input type="checkbox"/> Excessive Vegetation				
	<input type="checkbox"/> Debris (branches, litter, garbage, etc.)				
Roadside/Cross Culverts	<input type="checkbox"/> Clogged Pipe				
	<input type="checkbox"/> Deteriorated Pipe				

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## Municipal Vehicle Maintenance

- Store oils, grease, and lubricants **indoors**
- Use **dry cleanup methods** for spills instead of hosing down work areas
- **Recycle** materials when possible
  - Antifreeze, used oil, mineral spirits, solvents, etc.
- **Inspect** vehicles for leaks

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**Municipal Facility Operation & Maintenance Form**

Date of Inspection: \_\_\_\_\_ Facility Name: \_\_\_\_\_  
 Inspector: \_\_\_\_\_ Facility Location: \_\_\_\_\_

Category	Component/Name to Check	Problems Observed	Maintenance/Repairs Necessary		Comments/Action Taken
			Yes	Yes/No	
Storm Sewer System	Problems noted during storm events				
	Problems noted during dry weather				
Storm Sewer Manholes	Problems noted during storm events				
	Problems noted during dry weather				
Storm Sewer Piping	Problems noted during storm events				
	Problems noted during dry weather				
Ditches/Swales	Problems noted during storm events				
	Problems noted during dry weather				
Roadside/Cross Culverts	Problems noted during storm events				
	Problems noted during dry weather				

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## Surprise! EPA is here!



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## EPA Audit

- The EPA is on its way, are you ready?
  - Is your public works facility clean and organized?
  - Are chemicals labeled?
  - Is your road salt properly stored?
  - Do you have the required documentation?



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## IDD&E and Good Housekeeping Review!!!

1. What indicators should you look for to detect an illicit discharge?
  - Odor, color, turbidity, sheen, floaters**
2. When to conduct an outfall screening?
  - Once per year, 48 hours following a storm event**
3. What do you do when you see an illicit discharge?
  - Report to MS4 point person**

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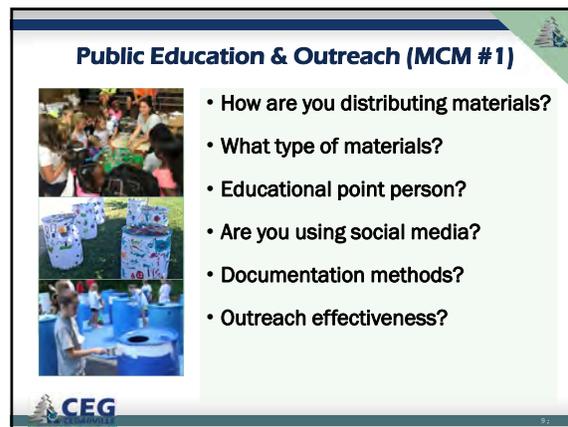
**Roundtable**

MCM Workflows



Beth Uhler  
Amanda Reitbauer  
Mikah Schlesinger

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**Public Education & Outreach (MCM #1)**



- How are you distributing materials?
- What type of materials?
- Educational point person?
- Are you using social media?
- Documentation methods?
- Outreach effectiveness?



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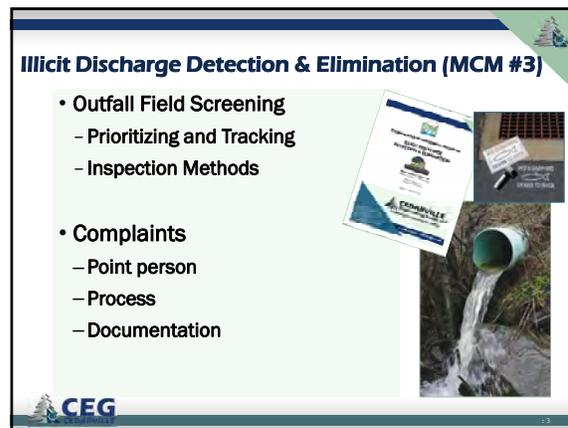
**Public Involvement & Participation (MCM #2)**

- Community Day?
- Educational Events?
- Stream Cleanups?
- Riparian Buffer Plantings?
- Storm Drain Stenciling?
- Environmental Advisory Committee?
- Documentation Methods?





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**Illicit Discharge Detection & Elimination (MCM #3)**

- Outfall Field Screening
  - Prioritizing and Tracking
  - Inspection Methods
- Complaints
  - Point person
  - Process
  - Documentation




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**Construction Site Runoff Control (MCM #4)**

- Erosion and Sediment Control
- New Permit specification:
  - Notify DEP or the applicable county conservation district (CCD) within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more.




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**Post Construction Stormwater Management in New and Re-Development (MCM #5)**

- PCSM BMP Inventory
- PCSM BMP Inspections
- Follow-up




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### Pollution Prevention/Good Housekeeping (MCM #6)



- Good Housekeeping Documentation
- Methods
- Training
- MS4 Point Person

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## More Alphabet Soup: PRPs, BMPs, and TMDLs

Multi-Municipal MS4 Training



**Beth Uhler**  
MS4 Program Manager

**CEG**

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### Alphabet Soup

The National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System Program requires a Pollutant Reduction Plan and/or a Total Maximum Daily Load Plan that are implemented by designing and constructing Stormwater Best Management Practices.

- National Pollutant Discharge Elimination System = NPDES
- Municipal Separate Storm Sewer System = MS4
- Pollutant Reduction Plan = PRP
- Total Maximum Daily Load = TMDL
- Best Management Practices = BMPs

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### Plans that propose Best Management Practices (BMPs) to reduce sediment and/or nutrient pollution

	TMDL Plan	Pollutant Reduction Plan
<b>MS4s with Stormwater Discharges To:</b>	<ul style="list-style-type: none"> <li>• Streams with Wasteload Allocations (WLAs) in a TMDL for sediment and/or nutrients</li> </ul>	<ul style="list-style-type: none"> <li>• Streams listed as Impaired for Siltation and/or Nutrients</li> <li>• Streams within the Chesapeake Bay watershed</li> </ul>
<b>Short-Term Reductions:</b>	<ul style="list-style-type: none"> <li>• 10% Sediment</li> <li>• 5% Total Phosphorous</li> </ul>	<ul style="list-style-type: none"> <li>• 10% Sediment</li> <li>• 5% Total Phosphorous</li> <li>• 3% Total Nitrogen (CBPRPs)</li> </ul>
<b>Long-Term Reductions:</b>	Achieve the WLA set by the TMDL	None
<b>Existing Pollutant Loads:</b>	TMDL sets (may recalculate)	MS4 determines

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### What is a Best Management Practice?

- Rain Gardens
- Basin Retrofits
- Stream Restoration
- Porous Pavement
- Green Roofs
- Riparian Buffers
- Street Sweeping



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### How does this affect your community?

Municipality	Impaired downstream waters or applicable TMDL name	PRP	TMDL
Caln Township	West Branch Brandywine Creek	Nutrients, Siltation	—
South Coatesville Borough	Unnamed Tributaries to West Branch Brandywine Creek	Siltation	—
	West Branch Brandywine Creek	Nutrients, Siltation	—
West Norriton Township	Indian Creek	Siltation	—
	Story Creek	Siltation	—
	Unnamed Tributaries to Schuylkill River	Siltation	—
Westtown Township	Brandywine Creek	Siltation	—
	Chester Creek	Siltation	—
	East Branch Chester Creek	Siltation	—
	Goose Creek TMDL	Siltation	Nutrients
	Hunters Run	Siltation	—
	Plum Run	Siltation	—
East Brandywine Township	Radley Run	Siltation	—
	Ridley Creek	Siltation	—
	Unnamed Tributaries to Beaver Creek	Siltation	—
	Culbertson Run	Siltation	—

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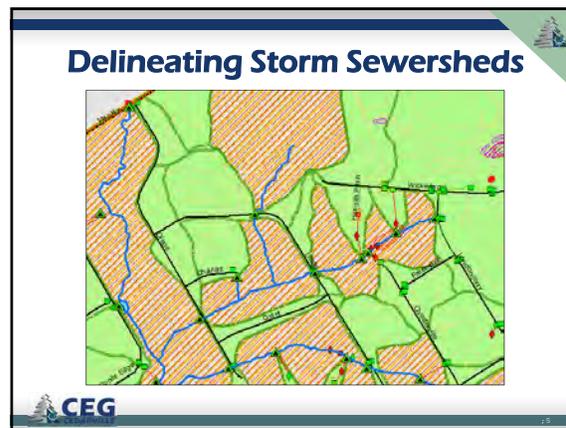
### Pollutant Reduction Plan Process

1. Map Stormwater Infrastructure (GIS)
2. Delineate Storm Sewersheds and Adjust MS4 Baseline Loads
3. Identify Potential BMPs
4. Desktop Review/Field Investigations for Site Suitability
5. Propose BMPs/Quantify Pollutant Load Reductions
6. Finalize Report
7. Public Participation

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### Determining Existing Pollutant Loads

Pollutant	Chesapeake Bay	Impaired Surface Waters	Surface Waters with a TMDL
Sediment	10%	10%	10%- short-term WLA- long-term
Phosphorous	5%	5%	5%- short-term WLA- long-term
Nitrogen	3%	n/a	n/a

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### Identifying Proposed Best Management Practices

- Identify potential project sites;
- Conduct a desktop review and field investigations for site suitability;
- Propose candidate Best Management Practices (BMPs); and
- Quantify pollutant reductions.

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## Bang for Your Buck

**BEST PROJECT TYPES**



**Stream Restoration :**

- Lowest cost per pounds of sediment reduction
- **Challenge:** Need to understand the level of technical expertise needed to design and construct these types of projects and qualify for reductions.



**Basin Retrofit:**

- Also low cost per pounds of sediment reduction
- **Challenge:** Marrying projects that have the greatest need for retrofit with those that provide the greatest reduction

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## Operations and Maintenance

- Identify the responsible party
- Identify the required maintenance activities

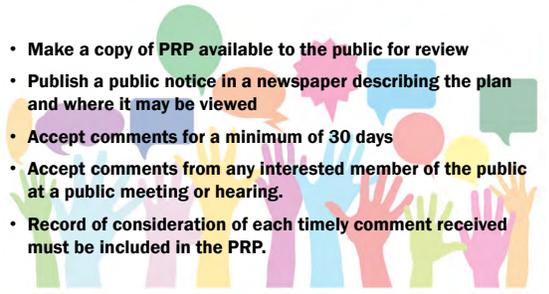


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## Public Participation

- Make a copy of PRP available to the public for review
- Publish a public notice in a newspaper describing the plan and where it may be viewed
- Accept comments for a minimum of 30 days
- Accept comments from any interested member of the public at a public meeting or hearing.
- Record of consideration of each timely comment received must be included in the PRP.



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## Funding Mechanisms

- Identify funding source for each BMP
- Identify project sponsors and partners



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## Funding Mechanisms



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### PRPs, BMPs, and TMDLs Review!!!

1. What does PRP stand for?  
**Pollutant Reduction Plan**
2. Who is responsible for the long-term Operations and Maintenance of these BMPs?  
**Municipality or Property Owner**
3. What is an example of a funding mechanism for implementing these plans?  
**Grants, Low Interest Loans, Stormwater Fees, Public-Private Partnerships**

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## Stormwater Funding Resources

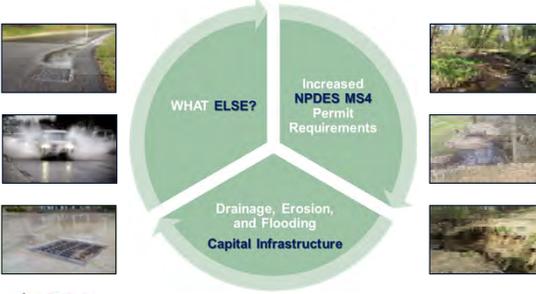
### Multi-Municipal MS4 Training



Beth Uhler  
MS4 Program Manager

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## Stormwater Issues Municipalities are facing



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## Stormwater Issues Municipalities are facing

Now **INCREASED** NPDES MS4 Permit Requirements:

- Pollutant Reduction Plan (PRP) and TMDL Plans
  - Require planning and construction of Best management Practices (BMPs)
  - Municipalities have 5 Years to implement the plan
  - BMPs are expensive
- In addition to maintaining and implementing the base MS4 Program:
  - Consultant costs
  - Administrative costs
  - Public Outreach costs
  - Consider that the program may not be currently fully or effectively implemented in all aspects



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## Stormwater Issues Municipalities are facing



### CAPITAL INFRASTRUCTURE

- Aging or inadequate stormwater infrastructure
- Maintenance activities
- No Capital Improvements Plan for stormwater infrastructure
- Enhance Public Works Department resources

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## Stormwater Issues Municipalities are facing

### Other Important issues:

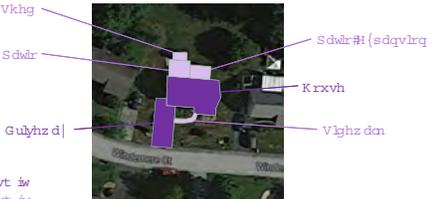
- Failing stormwater basins on private property
- Other restoration projects
- Homeowner complaints

**All of these issues impact the ENTIRE community**



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## Cumulative Stormwater Impact



4/4 93 #t: 3w  
. #D 4 3 #t: 3w

85 ( #Q F U H D V H

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### How will you pay for Stormwater Projects and Maintenance?

**Grants**

**Low Interest Loans**

**Stormwater Utilities**

**Public-Private Partnerships**

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### Public – Private Partnerships (P3s)

A P3 is a partnership between a **local government** and a **private entity**. The primary goal of a CBP3 is to provide high quality services in a cost effective way. The partnership is designed to:

- Provide flexibility
- Provide access to advanced technology
- Address dynamic community development trends and goals
- Encourage long-term financial and regulatory commitments for integrating green infrastructure into stormwater management programs.

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### Stormwater utilities Stormwater Fee Facts

- House Bill 1325, now Act 62, signed into law on July 1, 2016 authorizing 2<sup>nd</sup> class Townships to assess stormwater fees **without establishing a municipal authority**
- Fee provides a **dedicated stream of funding** to manage stormwater issues
- Fees can be collected from everyone who uses the service **(Including Tax-Exempt entities)**
- Users can be charged according to **their contribution** to stormwater runoff
- Can offer **credits, rebates, offsets**

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### Getting Started: Stormwater Fee Feasibility Study

**Step :1. Baseline Assessment**

- Gather Existing Information
- Business Case
- **Public Education and Outreach Plan**

*Presentations to Elected Officials and Special Public Meetings throughout each step*

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### Getting Started: Stormwater Fee Feasibility Study

**Step 2: Stormwater Management Program Development**

- MS4 Program Evaluation
- Infrastructure Inventory and Conditions Assessment
- Capital Improvements Plan
- Restoration Projects
- Identify Level of Service
- Final Stormwater Management Program Report
- **Implement Public Education and Outreach Plan**

*Presentations to Elected Officials and Special Public Meetings throughout each step*

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### Getting Started: Stormwater Fee Feasibility Study

**Step 3: Stormwater Fee Financing Strategy**

- Impervious Coverage Analysis
- Rate Structure Development
  - Appeals Process
- Credit/Rebate Program Options
- **Implement Public Education and Outreach Plan**

*Presentations to Elected Officials and Special Public Meetings throughout each step*

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## Low Interest Loans

**PENNVEST**

The Pennsylvania Infrastructure Investment Authority (PENNVEST) provides construction and related funding for Best Management Practices (BMPs) for the following categories:

- Urban Stormwater BMPs
- Agricultural BMPs
- Abandoned Mine Drainage BMPs
- Brownfields BMPs

Funding terms vary depending on the affordability of the project to the applicant and could include loan forgiveness.



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## Grants

Grant	Description	Amount	Match
<b>CFA Watershed Restoration Protection Program</b>	Funding for projects that involve the construction, improvement, expansion, repair, maintenance, or rehabilitation of new or existing watershed protection BMPs.	Maximum \$300,000 for any project	15% cash match of the total project cost is required
<b>CFA Greenways, Trails and Recreation Program</b>	Funding for projects that involve development, rehabilitation, and improvements to public parks, recreation areas, greenways, trails, and river conservation.	Maximum \$250,000 for any project.	15% percent local cash match of the total project cost.
<b>CFA Flood Mitigation Program</b>	The program funds projects authorized by a flood protection authority, the Department of Environmental Protection (DEP), the U.S. Army Corps of Engineers (Corps) or the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS) or identified by a local government for flood mitigation.	Maximum \$500,000 for any project.	15% cash match of the total project cost is required or cash equivalents for the appraised value of real estate.
<b>CFA Multimodal Transportation Fund</b>	Funds may be used for the development, rehabilitation and enhancement of transportation assets to existing communities, streetscapes, lighting, sidewalk enhancement, pedestrian safety, connectivity of transportation assets and transit-oriented development. This program also funds greenways.	Projects with a total cost of \$100,000 or more. Grants shall not exceed \$3,000,000 for any project.	30% cost share of the total project cost is required (cash match only)
<b>Transportation Alternatives Set-Aside of the Surface Transportation Block Grant Program</b>	provides funding for programs and projects defined as transportation alternatives, including stormwater management projects that allow communities to decrease the negative impact of roads on the natural environment. Stormwater projects must address stormwater management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff, as such, stormwater projects must serve both a transportation and environmental purpose.	Soft cap of \$1 million per project	Grant funds can pay up to 100% of project construction costs.



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## Grants – Continued

Grant	Description	Amount	Match
<b>DCNR Community Conservation Partnerships Program (C2P2)</b>	Provides support of local recreation and conservation initiatives. Funding can be used for park improvements, open space acquisition, and the implementation of projects identified in River Conservation Plans.		
<b>NFWF Delaware River Conservation Fund (Due September 27)</b>	Provide support to projects that conserve and restore natural areas, corridors, and waterways on public and private lands to support native migratory and resident wildlife and fish, and native plants; and to contribute to the social health and economic vitality of the communities in the Delaware River watershed.	\$50,000 to \$250,000	Awards matching grants
<b>DEP Growing Greener Watershed Protection Grants</b>	provides state monies from the Growing Greener Environmental Stewardship Fund to clean up nonpoint sources of pollution impacting impaired waters throughout Pennsylvania. Examples of projects include local stormwater BMP construction, stream restorations, and watershed-based conservation projects.	average grant amount is approximately \$150,000	15% coming from non-DEP funds.
<b>TreeVitalize</b>	Tree planting grants provide assistance for tree plantings in community and urban areas along streets, parks, and other publicly-accessible areas. Urban riparian buffer grants provide assistance for urban riparian buffer tree plantings adjacent to community and urban waterways		



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## Questions So Far?

### Up Next... What Can Residents Do?



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## What Can Residents Do?

### Multi-Municipal MS4 Training



**Mikah Schlesinger**  
Environmental Scientist

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## What Can Residents Do to Help?

- As a resident, you can help avoid the problems associated with stormwater runoff by:
  - Reducing impervious areas so that the rain soaks into the ground
  - Planting native trees and plants which help infiltrate stormwater and increase evaporation and transpiration
  - Following lawn care practices
  - Managing stormwater on-site with rain gardens, rain barrels and similar practices
  - Doing many small things... you have a big impact on improving stormwater management



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### Rain Garden

A depressed garden that uses mulch, soil, and deep-rooted native plants to capture, absorb, and infiltrate stormwater.

- Benefits**
  - Manages stormwater and filters pollutants
  - Wildlife habitat
  - Little maintenance
  - Adds beauty
- Negatives**
  - Plants can take 2-3 years to establish
  - More maintenance required in first few years
- Maintenance**
  - Low once plants established
  - Weeding and watering in first two years
  - Some thinning in later years
- Implementation Considerations**
  - Construct downslope of runoff to be captured
  - Locate at least 10 feet from building foundations



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### Riparian Buffer

Planting native trees and shrubs along streams and wetlands to restore the streamside area to forested conditions. These "riparian buffers" filter runoff and have numerous water quality benefits.

- Benefits**
  - Increases infiltration and groundwater recharge
  - Improves water quality
  - Controls erosion & sedimentation
  - Provides wildlife habitat
- Negatives**
  - Not as effective on steep slopes
  - More difficult to implement than some other practices
- Maintenance**
  - Low once native plants are established
  - Weeding and watering in first two years
  - Some plant thinning in later years
  - Regularly remove debris and excessive sediment accumulation
- Implementation Considerations**
  - Locate at least 10 feet from building foundations



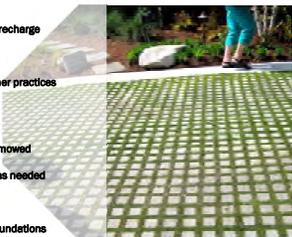
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### Pervious Pavers

Impervious building materials, such as stone, concrete or brick, laid with space in between to allow for pervious areas (gravel, sand or vegetation) in driveways, parking areas, or walkways.

- Benefits**
  - Increases infiltration and groundwater recharge
  - Reduces volume and rate of runoff
- Negatives**
  - More labor intensive to install than other practices
  - Nonconventional option to pavement
- Maintenance**
  - Moderate to high maintenance
  - Grass between pavers may have to be mowed
  - Inspect for signs of clogging
  - Pressure wash and replace pea stone as needed
- Implementation Considerations**
  - Need to install permeable sub base
  - Locate at least 10 feet from building foundations



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### Rain Barrel

A barrel that captures rainwater from a roof and stores it for later use, such as watering plants or gardens. A cistern is a larger container that does the same thing.

- Benefits**
  - Conserves water
  - Captures and reuses stormwater
- Negatives**
  - Minimal volume captured
  - Poor construction or maintenance can result in mosquitoes
- Maintenance**
  - Clean screen/filter regularly
  - Clean gutters twice annually
  - Monitor during severe storms to avoid overflow
  - Empty before winter months
- Implementation Considerations**
  - Place on level surface
  - Full rain barrel weighs 400 lbs

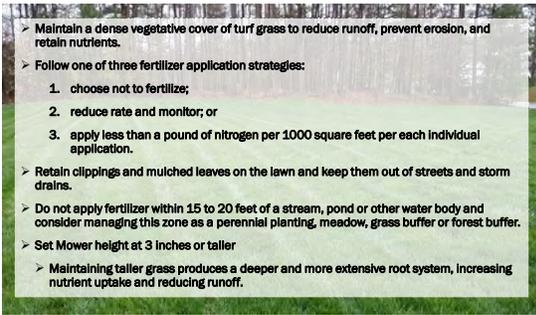


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### Sustainable Lawn Care

- Maintain a dense vegetative cover of turf grass to reduce runoff, prevent erosion, and retain nutrients.
- Follow one of three fertilizer application strategies:
  - choose not to fertilize;
  - reduce rate and monitor; or
  - apply less than a pound of nitrogen per 1000 square feet per each individual application.
- Retain clippings and mulched leaves on the lawn and keep them out of streets and storm drains.
- Do not apply fertilizer within 15 to 20 feet of a stream, pond or other water body and consider managing this zone as a perennial planting, meadow, grass buffer or forest buffer.
- Set Mower height at 3 inches or taller
  - Maintaining taller grass produces a deeper and more extensive root system, increasing nutrient uptake and reducing runoff.



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### Factors to consider when choosing stormwater best management practices for your property



- Rain Garden**
  - like to see more butterflies
  - If you want to enhance your landscaping with flowers and other attractive plants
- Pervious Pavers**
  - If you want to reduce the amount of time it takes to mow the lawn
  - If your driveway needs repaved
  - If you would like to give your patio a new look
- Rain Barrel**
  - If you have outdoor water needs (water for a vegetable garden, to water your lawn, or to wash your car)
  - If you don't have very much yard to work with
- Plant Trees/Riparian buffers**
  - If you would like to restore forested conditions on a portion of your property
  - If a stream is running through your property
  - If you want to cut down on air conditioning costs during the summer

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**THANK YOU!!!**

- PLEASE FILL OUT THE FEEDBACK CARD
- RAIN BARREL GIVEAWAY RAFFLE



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## **Monthly Report**

**From:** Michael J. Valyo, Director of Public Works

**Date:** May 1, 2019

**Re:** Public Works Department Activities  
April 1 – 30, 2019

---

The following report denotes the activities of the Public Works Department for the month above-referenced:

Preventative maintenance and repair of all township vehicles;  
Maintain and repair all township parks and playgrounds;  
Recycle limbs and yard waste;  
Repair potholes (7 tons hot & 3 tons cold patch);  
Sweep streets;  
Fill mulch bin @ firehouse; and  
Prep and repair storm sewers before road paving

Township vehicles traveled:

Trucks – 3,007 miles;  
Backhoe – 25.6 hours;  
Roller – 2 hours;  
Loader - 10 hours;  
Eco-Harvester – 0 hours;  
Sweeper – 31 hours (10 loads)

# **APPENDIX F**

## **Pollutant Control Measures**



# **APPENDIX G**

## **MS4 Infrastructure Map**



**NOTES:**  
 1. Parcels layer provided by the Township (2019).  
 2. The entire Township is covered by the 2010 Urbanized Area.

**DISCLAIMER:**  
 This product is for informational purposes and may not have been prepared for, or be suitable for, legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information. Infrastructure ownership information is displayed for general planning purposes. It may not be accurate and is not legal or definitive.

DATE: 09/10/19

DRAWN BY: WH

1 Inch = 550 Feet

0 275 550 1,100 US Feet



WEST NORRITON TOWNSHIP  
**MS4 INFRASTRUCTURE MAP**  
 MONTGOMERY COUNTY, PA

- Legend**
- Outfalls
  - Observation Points
  - KCM Markers
  - Township Stormwater Structures**
    - Catchment
    - Inflow
    - Manhole
    - Outfall
    - Riser
    - Unknown
  - Township Stormwater Pipes**
    - Culvert
    - Inflow Trench
    - Pipe
    - Swale
  - Private Stormwater Structures**
    - Catchment
    - Inflow
    - Manhole
    - Outfall
    - Riser
    - Unknown
  - Private Stormwater Pipes**
    - Culvert
    - Inflow
    - Swale
  - State Stormwater Structures**
    - Catchment
    - Inflow
    - Manhole
    - Outfall
    - Riser
    - Unknown
  - State Stormwater Pipes**
    - Culvert
    - Pipe
  - Roads**
    - Township
    - State
    - Federal
    - US 122 Waterhole
  - Other**
    - Parcels
    - Streams
    - Local Tributaries