

September 17, 2021

NPDES Annual MS4 Status Report Reviewer  
Bureau of Clean Water  
Pennsylvania Department of Environmental Protection  
2 East Main Street  
Norristown, PA 19401  
*Submitted via DEP's OnBase Electronic Forms Upload Tool*

RE: New Hanover Township – NPDES Annual MS4 Status Report – Year 3  
NPDES Permit No. PAG130020  
NHT-21-003

Dear Reviewer,

On behalf of New Hanover Township, CEDARVILLE Engineering Group, LLC is pleased to provide the enclosed NPDES Annual MS4 Status Report and associated documentation for Year 3 of the NPDES MS4 General Permit (PAG130020) covering the period from July 1, 2020 to June 30, 2021.

We believe that the report adequately documents the Township's compliance with the permit and continuing effort to go above and beyond in improving their Stormwater Management Program.

Thank you in advance for your time. Please do not hesitate to contact me at 610-705-4500 or [buhler@cedarvilleeng.com](mailto:buhler@cedarvilleeng.com) with any questions.

Best Regards,  
**CEDARVILLE Engineering Group, LLC**

Beth Uhler  
Environmental Project Manager

cc: Jamie Gwynn, New Hanover Township Manager



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

**September 2021**

**PREPARED FOR:**

New Hanover Township  
Montgomery County, PA  
2943 N. Charlotte Street  
Gilbertsville, PA 19525

**PREPARED BY:**

CEDARVILLE Engineering Group, LLC  
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**Federally Certified 8(a) EDWOSB  
State Certified DBE/WBE**



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

FOR THE PERIOD JULY 1, 2020 TO JUNE 30, 2021

GENERAL INFORMATION					
Permittee Name:	New Hanover Township	NPDES Permit No.:	PAG130020		
Mailing Address:	2943 N. Charlotte Street	Effective Date:	3/16/2018		
City, State, Zip:	Gilbertsville, PA 19525	Expiration Date:	3/15/2023		
MS4 Contact Person:	Jamie L. Gwynn	Renewal Due Date:	9/16/2022		
Title:	Township Manager	Municipality:	New Hanover Township		
Phone:	610-631-0450	County:	Montgomery		
Email:	jgwynn@newhanover-pa.org				
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?
Swamp Creek (reach 02040203000487)	TSF	Yes	Municipal Point Source-Cause Unknown; Urban Runoff/Storm Sewer-Siltation	No	No
Swamp Creek (reach 02040203000488)	TSF	No		No	No
Minister Creek	TSF	No		No	No
Middle Creek	TSF	No		No	No
Scioto Creek	TSF	No		No	No
Unnamed Tributary (UNT) to Sanatago Creek	WWF	No		No	No
UNTs to Minister Creek	TSF	No		No	No
UNTs to Swamp Creek (reach 02040203000488)	TSF	No		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	New Hanover Township	Eileen Pogany	610-323-1008
#2 Public Involvement/Participation	New Hanover Township	Eileen Pogany	610-323-1008
#3 Illicit Discharge Detection and Elimination (IDD&E)	New Hanover Township	Jay Kowal	610-323-1008
#4 Construction Site Storm Water Runoff Control	New Hanover Township	Jamie Gwynn	610-323-1008
#5 Post-Construction Storm Water Management in New Development and Redevelopment	New Hanover Township	Jim Wozniak / Jay Kowal	610-323-1008
#6 Pollution Prevention / Good Housekeeping	New Hanover Township	Jay Kowal	610-323-1008

**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: March 2021                      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 and distribute stormwater educational information at the Township Building and parks.
- Distribute stormwater information to new homeowners.
- Include MS4 educational materials on stormwater in bills and once a year on employee paychecks.
- Continue involvement with the Township Environmental Advisory Board (EAB).
- Educate PCSM BMP owners about stormwater and BMP maintenance to help ensure proper O&M by sending out a mailing and monitoring compliance of BMP inspections. The goal was to have 80% compliance for 2021 inspections, while establishing a baseline. The goal is to be evaluated at the end of each reporting period for effectiveness.

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:

The Township plans to continue implementing the plans and goals outlined in #3 above. The Township also plans to publish and distribute an interactive stormwater education Story Map specific to New Hanover Township's Stormwater Management Program and at least one article relating to stormwater in the Township newsletter.

**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: March 2021      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: March 2021      Were updates made?  Yes  No

3. Do you have a municipal website?  Yes  No (URL:  
[https://www.newhanover-  
pa.org/departments/planning/stormwater\\_management.php](https://www.newhanover-pa.org/departments/planning/stormwater_management.php))

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

The website contains an overview of stormwater management, a link to an ArcGIS Online (AGOL) web map app of Township stormwater infrastructure, NPDES MS4 permitting overview, Tips for Contractors, Tips for Residents, EPA Minimum Control Measure (MCM) forms, and numerous links to a wide variety of educational and government websites. Some of these links include the EPA Stormwater Basic Information, PADEP Stormwater Management Program, Perkiomen Watershed Conservancy, Homeowner's Guide to Stormwater, Green Guide for Property Management, etc. The Township published an educational item entitled "Spring Activities and Stormwater" and posted on the Township stormwater page in March 2021. The Township also published two

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:  
Please refer to BMP #4 for additional methods used and Appendix A for supporting documentation.
5. Identify specific plans for the publication of stormwater materials for the upcoming year:
  - Publish an interactive stormwater education Story Map specific to New Hanover Township's Stormwater Management Program.
  - Publish at least one article relating to stormwater in a Township newsletter.

**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 utilized the Township website to distribute stormwater-related educational materials as described above.
- The Township had the following posters/fliers hung up in the municipal building: "Homeowners Guide to Stormwater BMP Maintenance", "Pollution Prevention at Construction Sites," "Spring Stormwater Tips," "Winter MS4 Tips."
- The Township had the following pamphlet available to the public in the municipal building: "When it Rains, it Drains."
- The Township included 8 different stormwater handouts in welcome packets to new residents throughout the reporting period.
- The Township posted a link to a video from PA DEP on the Township Facebook page titled "Guidelines for Maintaining Streams in Your Community" along with an information sheet on August 24, 2020.
- The Township posted a video from PA DEP on the Township Facebook page entitled "Tips for Proper Swimming Pool Drainage" on September 21, 2020.
- The Township published a flyer entitled "Snow Melt: Its Stormwater Too" with information from Penn State Extension and distributed with building permits and posted in the Township Building.
- The Township published a Stormwater BMP Inspection Program Story Map in June 2021 and distributed to owners of BMPs along with other background information in an inspection notification letter dated June 22, 2021. One letter has been enclosed as a sample. The remainder are available upon request.
- The Township published stormwater content in the Fall/Winter 2020 Township newsletter related to IDD&E under the Public Works Department update. A one-page article entitled "About Stormwater" was also published in this same issue.
- The Township published a one-page article entitled "Why Stormwater is a Program" in the Spring/Summer 2021 Township newsletter.

Refer to Appendix A for supporting documentation.

**MCM #1 Comments:**

The Township updated the PEOP and target audience list in March 2021 to contain more Township-specific information and content and provide a base for reference in developing measurable goals. Measurable goal(s) will continue to be developed for each reporting period by referencing the written program and documenting it in the Annual MS4 Status Report under MCM #1, BMP #1. Outreach material was distributed to BMP owners via mailings and the publication of the New Hanover Township Stormwater BMP Inspection Program Story Map in June 2021. Inspections are scheduled for July



**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: 4-01-2021 - CEDARVILLE Engineering Group, LLC. provided a presentation on the Swamp Creek Stream Restoration Pollutant Reduction Plan project and Feasibility Study. This included recommended restoration options and demonstrated MS4 project eligibility. This was presented at the Board of Supervisor's meeting and offered the opportunity for residents to ask questions and provide comment.

Refer to Appendix B for supporting 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.

-The Township advertised the 2020 and 2021 Montgomery County Household Hazardous Waste Drop-Off Events by posting links to the informational flyers on the Township website.

-The Township regularly coordinates and partners with the Perkiomen Watershed Conservancy, including partnering on a water quality tree planting project/grant application in October 2020 to be undertaken in 2021.

-The Township announced the lot grading inspection program and invited residents of active construction sites to report flooding and drainage issues on the Township Facebook page on August 4, 2020.

-William Ross Snook, Township Supervisor, presented a series of stormwater webinars in partnership with Penn State Extension Master Watershed Steward Program on December 3, 2020, February 24, 2021, and March 11, 2021. These webinars are posted on the Montgomery County Master Watershed Steward Program webpage at: <https://extension.psu.edu/programs/watershed-stewards/counties/montgomery>.

-Jamie Gwynn, Township Manager and Beth Uhler, CEG presented "Project Schedule and Revision: Easy Tips to Handle Your PRP" in the virtual EPA Pennsylvania MS4 Forum for municipalities on February 17, 2021.

-The Bucks, Chester, Delaware, & Montgomery County Conservation Districts hosted a virtual workshop titled "Stormwater Maintenance for Homeowners Associations and Property Management Companies" on March 17, 2021 from 9 am to 11 am. The Township distributed a flyer for this event to all Homeowner Associations via email on posted on the Township Facebook page on February 22, 2021.

-Jamie Gwynn, Township Manager and CEG staff presented information on New Hanover Township's Stormwater Management Program to other Township Managers in Montgomery County in a virtual meeting on May 21, 2021.

Refer to Appendix B for supporting 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.

-The Township participated in various hazardous waste drop-off events with the info on the flyer "Household Hazardous Waste Drop-Off Events" throughout 2021 and 2020.

-The Township hosted a Facebook Live webinar entitled "Water Currents: Taking a Closer Look at Stormwater Basins" on January 12, 2021 at 10:00am presented by Township Supervisor William Ross Snook. The Township also advertised this event through the Township Facebook page.

-The Township has a link on their website of the Perkiomen Watershed Conservancy which is an organization that strives to educate the public and engage the community in ways that benefit the watershed. This organization hosted numerous events within the reporting period to improve water quality within the watershed. All of these events were advertised on the Perkiomen Watershed Conservancy's Facebook page.

-The Township has a very active Environmental Advisory Board (EAB). The EAB meets monthly and regularly discusses stormwater topics and engages residents. EAB meeting agendas and minutes can be accessed on the Township website from the following link: <https://newhanoverwppa.documents-on-demand.com/>.

- Stormwater topics are also often regularly discussed at Board of Supervisors (BOS) meetings. BOS meeting agendas and minutes can also be accessed on the Township website from the following link:  
<https://newhanovertwppa.documents-on-demand.com/>.

Refer to Appendix B for supporting documentation.

**MCM #2 Comments:**

Measurable goal(s) will be developed for each reporting period by referencing the written program and documenting it in the Annual MS4 Status Report. Measurable goals will be developed for each reporting period by referencing the written program and documenting it in the Annual MS4 Status Report, while addressing the individual BMPs. The Township's measurable goal for the upcoming reporting period is to host an O&M workshop for all PCSM BMP owners facilitated by the Perkiomen Watershed Conservancy. This event was cancelled due to COVID. The Township plans to present this information at a BOS meeting in the next reporting period.

**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: March 2021      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): June 2021

3. Total No. of Outfalls in MS4: 189      Total No. of Outfalls Mapped: 189

4. Total No. of Observation Points: 88      Total No. of Observation Points Mapped: 88

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): June 2021

**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? 8

2. Indicate the percentage of all outfalls screened in the past five years. 4%

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 50%

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: 7/23/2007, updated 3/27/2017

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?

The Township had posters/pamphlets related to IDD&E available to the public in their municipal building, on the website, and in Township newsletters as described above in MCM #1.

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

Yes  No

3. Do you maintain documentation of all responses, action taken, and the time required to take action?  Yes  No

**MCM #3 Comments:**

The Township maintains a map with all stormwater infrastructure, outfalls, and BMPs by maintaining an interactive ArcGIS Online (AGOL) web map app, in addition to the pdf map attached to this report. The web map app is publicly accessible via the stormwater page on the Township website at the link below:

<https://nhtpa.maps.arcgis.com/apps/webappviewer/index.html?id=a094bc9a144745e3911ef1c65a279145>

Updates to GIS mapping within the reporting period included: digitizing PCSM BMPs and new stormwater infrastructure associated with the following sites: Highlands of Hanover, Rosenberry Ridge, Fairbrook, Sterling Tract, Hanover Greene, McSurdy, Rolling Meadows, Valley Brook, Woodfield, Country Meadows, Halteman Office Complex, and Acorn Hills. In addition, BMPs installed as required by projects with less than one acre (LT1A) of earth disturbance that required a Township Stormwater Management Permit were also digitized.

The Township conducted dry weather outfall field screening of the 8 outfalls that drain previously identified priority areas on June 11, 2021. The completed screening forms are located in Appendix C. The Township will begin to complete dry weather outfall field screening for the remainder of the outfalls next reporting period.

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 updated as necessary and adopted prior to September 30, 2022 for consistency with the DEP's 2022 Model Stormwater Management Ordinance with respect to authorized non-stormwater discharges.

Refer to Appendix G for the MS4 Infrastructure Map.

**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: 7/23/2007, updated 3/27/2017

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:**

The Township does rely on PA's statewide program for stormwater associated with construction activities to satisfy this MCM. However, the Township still does complete erosion & sediment control inspections and enforcement.  
BMP #3) The Township acknowledges that it may have to modify its Stormwater Ordinance to comply with DEP's Model Ordinance by September 20, 2022.

BMPs #4 & #6) The Township has a fully implemented E&S Control Inspection Program involving conducting weekly inspections at each active construction site. If a violation is not addressed after the 4th inspection, enforcement measures are taken. This reporting period, the Township conducted E&S inspections for the following active construction sites:

Hanover Pointe

Montgomery View

Rolling Meadows

Woodfield

Total E&S Inspections: 137

E&S Control Inspection Reports are available by request.

**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: 7/23/2007, updated 3/27/2017
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: 7/23/2007, updated 3/27/2017
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.

The Township is beginning implementation of a PCSM BMP Inspection Program, which includes those sites with NPDES Permits for Stormwater Discharges Associated with Construction Activities that have approved Notices of Termination (NOTs). Inspection notification letters were sent to responsible parties on June 22, 2021. Inspections are to be conducted in July and August 2021. A sample inspection notification letter is located in Appendix A.

The Township also began a LT1A BMP Inspection Program, which includes BMPs installed as part of projects that had less than one acre ("LT1A") of earth disturbance but required a Township Stormwater Management Permit (i.e. the project included more than 1,000 square feet of impervious surface). The LT1A BMP Inventory is available upon request.

Refer to Appendix D for the PCSM BMP Inventory.

*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 Township will continue to maintain and updated both the PCSM BMP Inventory and the LT1A BMP 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? July 2021
3. When was it last updated? March 2018

**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 April 2021

**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: Reviewed June 2021 Date of latest training: April 15, 2021

3. Training topics covered:

- MS4 Program Background and Overview of all MCMs
- Illicit Discharge Detection and Elimination
- Pollution Prevention/Good Housekeeping
- Field component that included a walkthrough of the Public Works Garage and mock dry weather outfall field screening

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

Beth Uhler and Amanda Reitbauer, CEG

5. Names of training attendees:

Jay Koval  
Tom Vance  
Dean Armstrong  
Tom Miskiewicz  
Randy Miller  
George Barreca  
Kevin Fulmer  
Eileen Pogany

Refer to Training Program Power Point and sign-in sheet in Appendix E.

**MCM #6 Comments:**

The Township plans to hold another employee training next reporting period and continue to work toward improving the Operations and Maintenance (O&M) program.

**POLLUTANT CONTROL MEASURES (PCMs)**

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

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)	9/30/2019	<input type="checkbox"/>	
Source Inventory	8/19/2020	<input type="checkbox"/>	
Investigation of Suspected Sources	n/a	<input type="checkbox"/>	n/a
Ordinance/SOP for Controlling Animal Wastes	n/a	<input type="checkbox"/>	n/a

**PCM Comments:**

The Township is required to implement Pollutant Control Measures for Priority Organic Compounds (Appendix C) 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).

Because no suspected sources of PCBs were identified in the Source Inventory, an investigation of suspected sources is not applicable.

In addition, the Ordinance/SOP for Controlling Animal Wastes is only applicable for Appendix B. New Hanover does not have this requirement.

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)	Revised October 2018	January 11, 2019	Swamp 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)	3,644.75		
<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: January 31, 2024

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

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

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

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

The Township completed a feasibility study in February 2021 for a stream restoration project on Swamp Creek located on Township-owned property dated and began design and permitting phase. CEG attended a (virtual) pre-application meeting with PA DEP and the U.S. Army Corps Engineers on June 17, 2021, on the Township's behalf, to review permit requirements and MS4 project eligibility. The Township and CEG also attended an on-site meeting with PA DEP (Krista Brown and Randy Brown) on July 1, 2021 to further review MS4 project eligibility. PA DEP concurred that the project would be eligible for MS4 pollutant reduction credit if implemented as described.

Refer to exhibit in Appendix G.

6. Anticipated activities for next reporting period.

The Township plans to complete the design and permitting phase of the project, in coordination with PA DEP, and apply for funding.

**PRP/TMDL Plan Comments:**

The Township continues to work towards achieving the required pollutant reduction for Swamp Creek.

**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?
						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"/>
						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).

Jamie L. Gwynn, Township Manager

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

610-323-1008

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

*Jamie L. Gwynn*

\_\_\_\_\_  
Signature

09-15-2021

\_\_\_\_\_  
Date



# **Annual MS4 Status Report**

## **APPENDIX A**

### **MCM #1 Public Education and Outreach**

- 1. Educational Outreach Documentation**
- 2. Public Education and Outreach Program (updated March 2021)**



New Hanover Township  
Pennsylvania

HOME

GOVERNMENT ▾

DEPARTMENTS ▾

INFORMATION ▾

RESOURCES ▾

## TOWNSHIP TIDBIT:

Copper mines along Ludwig Road were in operation as early as 1728.

## Planning

Active Plans

Approved Plans

Comprehensive Plan

Code of Ordinances

Subdivision and Land Development

Stormwater Management

Popular Pages 



# Stormwater Management

### OVERVIEW

Stormwater runoff is generated when precipitation from rain and snow flow over land and impervious surfaces and does not infiltrate into the ground. The runoff from streets, lawns, farms, and construction and industrial sites pick up fertilizers, dirt, pesticides, oil, grease and many other pollutants and discharge into our lakes, streams and rivers. This untreated discharge is detrimental to our

water quality as it can adversely affect our drinking water supply and environment. Many detention/retention/infiltration basins are already in place to help keep our water clean.

### **Stormwater Spring Activities - Spring Activities - 2021**

Click on the underlined title above for tips on what you can do during your spring time activities.

### **MS4 Infrastructure**

If you are interested in where our stormwater is located, [check out this attached link](#).

### **Stormwater Management, Simplified.**

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 New Hanover Township streams and the community.

**Click here for a link to the story map.**

--

### **Stormwater from my neighbor's property is causing erosion and flooding problems on my property. What can I do?**

A landowner has the right to have stormwater flow onto and over his property, and discharged through a natural water course onto a neighboring property. In addition, a landowner may make proper and profitable use of his land even though this use may result in some change in the quality or quantity of the water flowing to the property below.

Generally, any damage to the property below caused by surface water as a result of this use is not actionable. However, there are two exceptions to this general rule. The first exception is when the stormwater is diverted from its natural channel, and the second exception is when stormwater is unreasonably or unnecessarily changed in quantity or quality.

If you believe that either or both of the above-noted exceptions are applicable to your case, you should contact an attorney with experience in these matters. For if your neighbor is not willing to fix the problem you may be required to file suit in the Court of Common Pleas. Because the stormwater is flowing from private property, the Township is not a party to such disputes.

--

[The Montgomery County Conservation District presented on this topic. **Click here - especially if you are considering developing in our municipality.**]

The Township regulates its stormwater management through a permit that is obtained from the **Pennsylvania Department of Environmental Protection (PA DEP)** through the National Pollution and Discharge Elimination System Phase II (NPDES)/Municipal Separate Storm Sewer System (MS4). This is a federal requirement from the **United States Environmental Protection Agency (USEPA)** that is administered by the state. This NPDES permit is broken up into six minimum control measures to be regulated and enforced by the Township. These minimum control measures include:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge, Detection and Elimination

- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

The Township is monitoring and testing storm sewer outfalls that have flow during dry periods. We request that all residents cooperate with our inspectors, as some outfalls are located on private properties.

For any questions or concerns regarding stormwater or to report illicit discharges to the storm sewer system, contact the Township at 610 323-1008.

## **MORE INFORMATION**

There are many ways you can help the Township with its stormwater program, such as participating in volunteer programs that help keep trash, debris and other pollutants out of the storm sewer system. For more information on ways to get involved with your community, visit:

Quick Resource Guide For Winter Maintenance BMPs

### **Winter Maintenance BMPs**

Stormwater Brochure

### **Be Stormwater Smart Brochure**

PennDOT: Adopt-A-Highway

**<http://www.dot.state.pa.us/Internet/Bureaus/pdHwyBeau.nsf/AAHHome?OpenFrameset>**

USEPA

**<http://www.epa.gov/>**

Stormwater Basic Information

**<http://www.epa.gov/npdes/npdes-stormwater-program>**

Stormwater Program

**[http://cfpub.epa.gov/npdes/home.cfm?program\\_id=6](http://cfpub.epa.gov/npdes/home.cfm?program_id=6)**

Stormwater Discharge from MS4's

**<http://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview>**

Stormwater Outreach Materials and Reference Documents

**[https://cfpub.epa.gov/npdes/docs.cfm?document\\_type\\_id=3&view=Fact%2520Sheets%2520and%2520Outreach%2520Materials&program\\_id=6&sort=name](https://cfpub.epa.gov/npdes/docs.cfm?document_type_id=3&view=Fact%2520Sheets%2520and%2520Outreach%2520Materials&program_id=6&sort=name)**

PA DEP

**[http://www.depweb.state.pa.us/portal/server.pt/community/dep\\_home/5968](http://www.depweb.state.pa.us/portal/server.pt/community/dep_home/5968)**

PA DEP Southeast Region Office

**<http://www.dep.pa.gov/About/Regional/SoutheastRegion/Pages/default.aspx#.VtWfKFsrKUK>**

Stormwater Management Program

<http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/StormwaterMgmt/Pages/default.aspx#.VtWiP1srKUI>

BCCD Bucks County Conservation District

<http://www.bucksccd.org/>

FEMA Federal Emergency Management Agency

<http://www.fema.gov/>

CWP Center for Watershed Protection

<http://www.cwp.org/>

### Department of Environmental Protection

PADEP – MS4 Resources:

<http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/StormwaterMgmt/Stormwater/Pages/MS4-Resources.aspx#.VtWaHFsrKUK>

PADEP - MS4 Stormwater Activity Book for Children

[http://files.dep.state.pa.us/Water/BNPNSM/StormwaterManagement/MunicipalStormwater/MuniSWResources/MS4\\_Partnersrv2.pdf](http://files.dep.state.pa.us/Water/BNPNSM/StormwaterManagement/MunicipalStormwater/MuniSWResources/MS4_Partnersrv2.pdf)

DEP Southeast Regional Office:

<http://www.dep.pa.gov/About/Regional/SoutheastRegion/Pages/default.aspx#.VtWfKFsrKUK>

PA DEP Stormwater Management Program:

<http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/StormwaterMgmt/Pages/default.aspx#.VtWiP1srKUI>

DEP – E&S for Single Family Homes and Minor Construction Projects:

<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-107599/3150-FS-DEP4096.pdf>

DEP – Snow Management and Removal:

<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-109526/3800-FS-DEP1634.pdf>

DEP – Swimming Pool Discharge Guidelines:

<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-108937/3850-FS-DEP4251.pdf>

<https://www.youtube.com/watch?v=28I1qP-rtwo&feature=youtu.be>

DEP – Stream Improvement Program:



<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-108190/3130-FS-DEP2179.pdf>

DEP – Minimizing Accelerated Soil Erosion & Preventing Sediment Pollution:

<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-107595/3150-FS-DEP1841.pdf>

DEP – Reporting Requirements for Spills and Pollution Incidents under PA Clean Streams Law:

<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-101220/3800-FS-DEP4449.pdf>

DEP – Water Quality Standards:

<http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/WaterQuality/Pages/default.aspx#.VtW6syoo6Uk>

### United States Environmental Protection Agency

EPA – Stormwater Fact Sheets and Outreach Materials:

[https://cfpub.epa.gov/npdes/docs.cfm?document\\_type\\_id=3&view=Fact%2520Sheets%2520and%2520Outreach%2520Materials&program\\_id=6&sort=name](https://cfpub.epa.gov/npdes/docs.cfm?document_type_id=3&view=Fact%2520Sheets%2520and%2520Outreach%2520Materials&program_id=6&sort=name)

EPA - Stormwater Basic Information:

<http://www.epa.gov/npdes/npdes-stormwater-program>

EPA - Stormwater Discharges from MS4's:

<http://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview>

EPA - MS4 Overview:

<http://www3.epa.gov/npdes/pubs/fact2-0.pdf>

EPA - MS4 Fact Sheet:

<http://www3.epa.gov/npdes/pubs/fact2-1.pdf>

EPA – Urbanized Area Definition:

<http://www3.epa.gov/npdes/pubs/fact2-2.pdf>

EPA – Public Education and Outreach:

<https://www3.epa.gov/npdes/pubs/fact2-3.pdf>

EPA – Public Participation and Involvement:

<https://www3.epa.gov/npdes/pubs/fact2-4.pdf>

EPA – Illicit Discharge, Detection and Elimination:

<https://www3.epa.gov/npdes/pubs/fact2-5.pdf>



EPA - Construction Site Runoff Control:

<https://www3.epa.gov/npdes/pubs/fact2-6.pdf>

EPA – Post-Construction Runoff Control:

<https://www3.epa.gov/npdes/pubs/fact2-7.pdf>

EPA – Pollution Prevention / Good Housekeeping:

<https://www3.epa.gov/npdes/pubs/fact2-8.pdf>

EPA – National Menu of Stormwater Best Management Practices:

<http://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>

EPA – Stormwater Permit Coverage for Construction Sites:

[https://www3.epa.gov/region10/pdf/water/stormwater\\_permit\\_brochure\\_print.pdf](https://www3.epa.gov/region10/pdf/water/stormwater_permit_brochure_print.pdf)

EPA – After the Storm:

[https://www3.epa.gov/npdes/pubs/after\\_the\\_storm.pdf](https://www3.epa.gov/npdes/pubs/after_the_storm.pdf)

EPA – Stormwater Management Practices:

<http://www.epa.gov/greeningepa/stormwater-management-practices-epa-facilities>

EPA – Stormwater Management:

<http://www.epa.gov/greeningepa/stormwater-management>

EPA – Green Infrastructure:

<http://www.epa.gov/green-infrastructure>

EPA Stormwater Best Management Practices (BMP) Menu:

<http://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater-documents>

EPA – Evaluating the Effectiveness of Municipal Stormwater Programs:

[https://www3.epa.gov/npdes/pubs/region3\\_factsheet\\_swmp.pdf](https://www3.epa.gov/npdes/pubs/region3_factsheet_swmp.pdf)

EPA – Water Pollution Prevention and Control:

<http://www.epa.gov/p2/learn-about-pollution-prevention>

## Miscellaneous

Perkiomen Watershed Conservancy:

<http://www.perkiomenwatershed.org/>

DEP – Raingardens and Rain Barrels:

<http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-109593/3850-PA-DEP4500.pdf>

Rain Barrel Resources:

<http://www.rainbarrelresource.com/>

PADOT Adopt-a Highway:

<http://www.penndot.gov/about-us/AdoptaHighway/Pages/default.aspx#.VtSv9lsrKUK>

Homeowner’s Guide to Stormwater:

<http://www.stormwaterguide.org/static/HomeownersGuide.pdf>

Green Guide for Property Management:


[http://schuylkillwaters.org/doc\\_files/Green%20Guide%20for%20Property%20Management.pdf](http://schuylkillwaters.org/doc_files/Green%20Guide%20for%20Property%20Management.pdf)

Center for Watershed Protection Municipal Pollution Prevention / Good Housekeeping Practices (Manual 9):

[http://www.in.gov/indot/files/Municipal\\_Pollution\\_Prevention\\_and\\_Good\\_Housekeeping.pdf](http://www.in.gov/indot/files/Municipal_Pollution_Prevention_and_Good_Housekeeping.pdf)

**Homeowners Guide to Stormwater**





### Document Center

The Document Center provides easy access to public documents. Click on one of the categories below to see related documents or use the search function.

Search for file type:

<input type="text" value="search here"/>	All	▼	<a href="#" style="background-color: #007bff; color: white; padding: 5px 10px;">Search</a>
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Please click on one of the categories below to see uploaded documents.

**Documents & Forms** *6 documents*

---

**Tips for Contractors** *4 documents*

---

**Tips for Residents** *16 documents*

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# Spring Activities and STORMWATER



## Yard Work



- Dispose of debris from yard work, gardening, and lawn care activities properly.
- Plant trees, native plants, and ground cover to soak up spring rains and provide food and habitat for pollinators.
- Uncover and clean storm drains, gutters, and down spouts to help avoid flooding.

## Vehicle Washing & Maintenance



- Wash your vehicles with phosphate-free and biodegradable soaps in a grassy or gravel area.
- Inspect vehicles and other equipment for spills, drips, and leaks periodically to avoid pollution reaching the storm sewer system.

## Outdoor Activities



- While enjoying outdoor activities with your dog, be sure to pick up waste and dispose in a trash receptacle.
- Pet waste is a source of stormwater pollution.
- Also, while out and about, keep an eye out for illicit discharges in your community. If you spot one, report it to the Township.

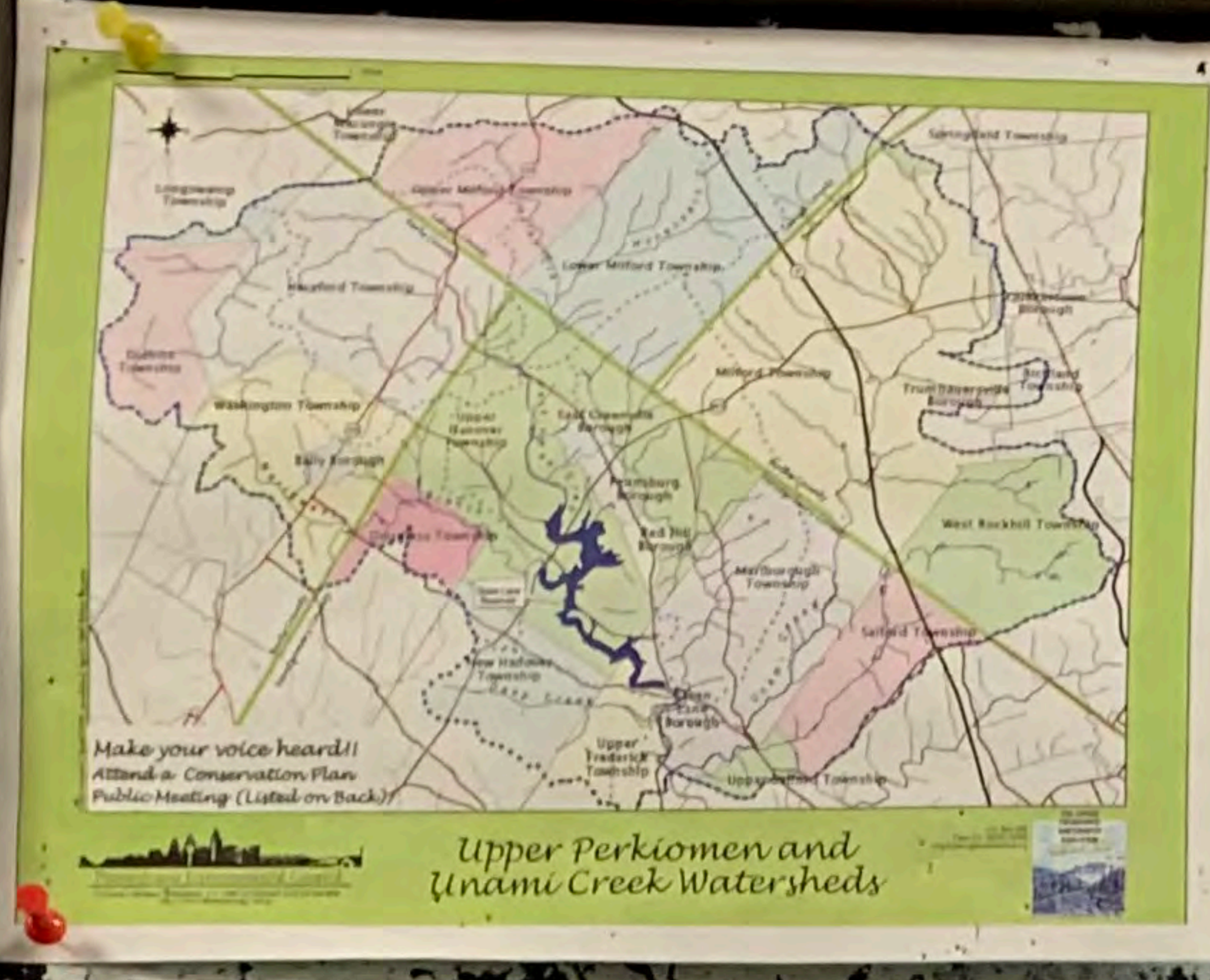
## Spring Cleaning



- Properly dispose of any unwanted household paints and chemicals from spring cleaning at a local hazardous waste collection site.
- Move stored chemicals such as salt, fertilizers, and pesticides to high areas where potential stormwater cannot reach.

For questions or comments contact  
New Hanover Township at (610) 323-1008





## POTASSIUM IODIDE TABLETS - KI

are recommended to be readily available for each person living within the 10 mile radius of the Limerick Generating Station

Tablets are available  
at the Montgomery County Health Department  
364 King Street, Pottstown  
8:30 AM to 4:00 PM  
(attendants will dispense KI tablets for persons not able to personally pick them up at the King Street address)

## Bill of Responsibilities

Freedom, freedom and responsibility are mutual and inseparable. We can ensure enjoyment of the one only by exercising the other. Freedom for all of us depends on responsibility by each of us. To secure and expand our liberties, therefore, we accept these responsibilities as individual members of a free society.

- We are fully responsible for our own actions and for the consequences of those actions. Freedom to choose careers with is the responsibility for our choices.
- We respect the rights and beliefs of others in a free society, diversity flourishes. Courtesy and consideration toward others are measures of a civilized society.
- We give sympathy, understanding and help to others. As we hope others will help us when we are in need, we should help others when they are in need.
- We do our best to meet our own and our families' needs. There is no personal freedom without economic freedom. By helping ourselves and those around us to become productive members of society, we contribute to the strength of the nation.
- We respect and obey the law. Laws are mutually accepted rules by which, together, we maintain a free society. Liberty itself is built on a foundation of law. That foundation provides an orderly process for changing laws. It also depends on our ability to ensure they have been fairly adopted.
- We respect the property of others, both private and public. No one has a right to what is not his or hers. The right to enjoy what is ours depends on our respecting the right of others to enjoy what is theirs.
- We share with others our appreciation of the benefits and obligations of freedom. Freedom shared is freedom strengthened.
- We participate constructively in the nation's political life. Democracy depends on an active citizenry. It depends equally on an informed citizenry.
- We help freedom survive by assuming personal responsibility for its defense. Our nation cannot survive unless we defend it. Its security rests on the individual determination of each of us to help preserve it.
- We respect the rights and to meet the responsibilities on which our liberty rests and our democracy depends. This is the essence of freedom. Maintaining it requires our personal effort, all together and each individually.

### Spring Activities and STORMWATER

**Yard Work**

- Dispose of debris from yard work, gardening, and lawn care activities properly.
- Plant trees, native plants, and ground cover to soak up spring rains and provide food and habitat for pollinators.
- Unclog and clean storm drains, gutters, and down spouts to help avoid flooding.

**Vehicle Washing & Maintenance**

- Wash your vehicles with phosphate-free and biodegradable soaps in a grassy or gravel area.
- Inspect vehicles and other equipment for spills, drips, and leaks periodically to avoid pollution reaching the storm sewer system.

**Outdoor Activities**

- While enjoying outdoor activities with your dog, be sure to pick up waste and dispose in a trash receptacle.
- Pet waste is a source of stormwater pollution.
- Also, while out and about, keep an eye out for illicit discharges in your community. If you spot one, report it to the Township.

**Spring Cleaning**

- Properly dispose of any unwanted household paints and chemicals from spring cleaning at a local hazardous waste collection site.
- Move stored chemicals such as salt, fertilizers, and pesticides to high areas where potential stormwater cannot reach.

For questions or comments contact:  
New Hanover Township at (610) 323-1000

### 2021 Montgomery County, PA Household Hazardous Waste Drop-Off Events

By appointment only, preregistration required

**DATES:**  
Saturday, April 24  
Boyertown Middle School East  
2020 Big Road, Gilbertsville

Saturday, May 1  
Indian Valley Middle School  
130 Maple Avenue, Harleyville

Saturday, May 8  
Montgomery County Community College  
Enter at 595 Cathcart Road, Blue Bell

Saturday, June 12  
Temple University-Ambler Campus  
Enter at 1431 E. Butler Pike, Ambler

Saturday, June 19  
Abington Junior High School  
Enter at 2056 Susquehanna Road, Abington

Saturday, September 25  
Spring-Ford 9th Grade Center  
100 South Lewis Road, Royersford

**SUNDAY, October 24**  
Lower Merion Transfer Station  
1300 N. Woodbine Avenue, Penn Valley

Free residential collection events are held outdoors. Montco residents may also attend any Household Hazardous Waste event held by Bucks, Chester, Delaware, or Philadelphia Counties.

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.

Contact us at:  
MontcoPARecycles.org  
recycling@montcopa.org  
610.278.3618

register at [www.MontcoPARecycles.org](http://www.MontcoPARecycles.org)

### retrievr

Powered by retrievr, Montgomery County is proud to bring you a convenient service that collects your unwanted clothing and electronics right from your doorstep.

It's easy to get started. Simply visit [retrievr.com](http://retrievr.com) or text PICKUP to 757-70-FETCH

1 Tell us what you're recycling  
2 Pick a date for your pickup  
3 A truck comes to your door

The service is free for all clothing and small electronics. Fees apply only for TVs and CRT monitors.

See the list of items retrievr collects and FAQs at [retrievr.com/montcopa](http://retrievr.com/montcopa)

powered by retrievr

### NPDES PUBLIC NOTICE

Application for National Pollutant Discharge Elimination System (NPDES) Permit to Discharge to State Waters

Southwest Regional Office: Regional Clean Water Program Manager, 2 E Main Street, Norristown, PA 19401. Telephone: (610) 261-5070

PA005719: Sewage, SIC Code 4952, New Hanover Township Authority, Montgomery County, 2550 Fagelville Road, Guilford, PA 19025-9747, Facility Name: New Hanover Township STP & Sewer System. This existing facility is located in New Hanover Township, Montgomery County.

Description of Existing Facility: This application is for a renewal of an NPDES permit for an existing discharge of treated Sewage Effluent and Treated Sludge, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 1,925 MGD - Final Limits.

Parameters	Mass Units (lb/day)		Concentrations (mg/L)	
	Average Monthly	Weekly	Average Monthly	Weekly
Flow (MGD)	Report	Report	Report	Report
pH (5.0-9.0)	XXX	XXX	5.0	5.0
Dissolved Oxygen	XXX	XXX	5.0	5.0
Carbonaceous Biochemical Oxygen Demand (CBOD5)	241	361	XXX	15
Carbonaceous Biochemical Oxygen Demand (CBOD5) May 1 - Oct 31	169	241	XXX	15
Carbonaceous Biochemical Oxygen Demand (CBOD5) Nov 1 - Apr 30	XXX	XXX	Report	XXX
Total Suspended Solids (TSS)	169	241	XXX	15
Total Suspended Solids (TSS) May 1 - Oct 31	XXX	XXX	Report	XXX
Total Suspended Solids (TSS) Nov 1 - Apr 30	XXX	XXX	Report	XXX
Total Dissolved Solids (TDS)	XXX	XXX	Report	XXX
Total Phosphorus (TP)	XXX	XXX	Report	XXX
Total Nitrogen (TN)	XXX	XXX	Report	XXX
Ammonia Nitrogen (NH3-N)	XXX	XXX	Report	XXX
Ammonia Nitrogen (NH3-N) May 1 - Oct 31	24	XXX	XXX	3.0
Ammonia Nitrogen (NH3-N) Nov 1 - Apr 30	14	XXX	XXX	1.5
Chloride	XXX	XXX	XXX	XXX
Bromide	XXX	XXX	XXX	XXX

### New Hanover Township ISSUED PERMITS - 02/24/2021 - 03/24/2021

Permit No.	Work Desc	Applicant	Work Location	Permit Fee	UCC	Comments	Status	App. Date	New Date
170066	Residential Rear Interior Alteration	HACHUCK & MCNEIL	2863 SHADY LN	\$228.00	\$4.00		ACTIVE	02/24/2021	02/24/2021
210066	Residential New Home	STEPHEN A & BARTEN	155 HAYWARD ST	\$1,216.10	\$4.00		ACTIVE	02/26/2021	02/26/2021
210067	Residential New Home	WYKE REALTY LP	232 PIKE MOSS RD	\$1,685.00	\$4.00		PENDING	02/26/2021	02/26/2021
410066	Residential Rear Alteration	HORSTON	116 DOVE DR	\$219.50	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential Deck	BUN & BULZERS	149 FARM DR	\$60.00	\$0.00		PENDING	03/03/2021	03/03/2021
410066	Residential Pool In-Ground	HANCOCK SCOTT	3915 WASHINGTON DR	\$429.00	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential Pool In-Ground	UPDEGRAVE	3071 FAUST RD	\$429.00	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential Rear Interior Alteration	GARPIN	3412 TURNBURY RD	\$389.00	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential Deck	BOONE	169 PIKE MOSS RD	\$71.50	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential New Home	BRANSON	1919 CENTURY DR	\$81.50	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential New Home	LIBERTY	203 MELROSE DR	\$1,263.30	\$4.00		PENDING	03/03/2021	03/03/2021
410066	Residential Pool In-Ground	FRONZBERGER	3178 WELLS CT	\$429.00	\$4.00		ACTIVE	03/03/2021	03/03/2021
410066	Residential Deck	BILES JOHN S	123 FAWN DR	\$209.50	\$4.00		PENDING	03/03/2021	03/03/2021
410066	Residential Deck	BIGGS MARY	101 WHEATSTONE DR	\$109.00	\$4.00		ACTIVE	03/10/2021	03/10/2021
410066	Residential Rear Interior Alteration	VISION SOLAR LLC	188 BRANP PKE	\$399.50	\$4.00		ACTIVE	03/10/2021	03/10/2021
410066	Residential Accessory Building	RON PEZAR	239 PIKE MOSS RD	\$191.50	\$4.00		ACTIVE	03/11/2021	03/11/2021
410066	Residential Deck	ERIC HILL	231 PIKE MOSS RD	\$125.00	\$4.00		ACTIVE	03/11/2021	03/11/2021
410066	Residential Pool In-Ground	CARLTON	2366 JANE LN	\$429.00	\$4.00		ACTIVE	03/11/2021	03/11/2021
410066	Residential Deck	POOLS INC	2714 GALE DR	\$219.50	\$4.00		ACTIVE	03/12/2021	03/12/2021
410066	Residential Deck	RICIARDI L & BANCHE	2714 GALE DR	\$219.50	\$4.00		ACTIVE	03/12/2021	03/12/2021
410066	Residential Deck	ZANI AJ	221 MELROSE DR	\$92.50	\$4.00		ACTIVE	03/12/2021	03/12/2021
410066	Residential Rear Interior Alteration	HALTERMAN	1781 BRANP PASE LEFT	\$164.50	\$4.00		ACTIVE	03/16/2021	03/16/2021
410066	Residential Rear Interior Alteration	FUSION SOLAR	3912 CAYTON CREEK DR	\$339.50	\$4.00		ACTIVE	03/17/2021	03/17/2021
410066	Residential Rear Interior Alteration	ORBIT ENERGY	441 BUCHERT RD	\$219.50	\$4.00		PENDING	03/17/2021	03/17/2021
410066	Residential Rear Interior Alteration	VISION SOLAR	2201 ANKEL DR	\$229.50	\$4.00		ACTIVE	03/18/2021	03/18/2021
410066	Residential Pool In-Ground	BLUE TREE	854 KULP RD	\$429.00	\$4.00		PENDING	03/17/2021	03/17/2021
410066	Residential Rear Interior Alteration	LANDSCAPING	2075 WINDSOR DR	\$219.50	\$4.00		PENDING	03/17/2021	03/17/2021
410066	Residential Rear Interior Alteration	MICHAEL A	CHARLOTTE ST	\$1,349.50	\$4.00		ACTIVE	03/18/2021	03/18/2021
TEMP-	Residential New Home	BERKS AT	152 MORGISON	\$1,349.50	\$4.00		ACTIVE	03/18/2021	03/18/2021

### AQUA

#### 2019 WATER QUALITY REPORT

##### Superior Main System, PWSID PA1460085

Esta informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you or speak with someone who understands it.)

**About Your Drinking Water:** Aqua Pennsylvania, Inc. (Aqua) is pleased to provide you with important information about your drinking water in this 2019 Consumer Confidence Report for the Superior Main System (public water supply ID PA1460085). The report summarizes the quality of water that Aqua provided in 2019 - including details about water sources, what the water at your tap contains, and how it compares to standards set by regulatory agencies. Although the report lists only those regulated substances that were detected in your water, we list more than what is reported. This report is only a summary of our testing during 2019. If you have any questions about the information in this report, please call 610.645.4248 or visit our website at [AquaPA.com](http://AquaPA.com).

**Sources of Supply:** Water for the Superior Main System comes from five wells located within Chulahoma and New Hanover Townships. A Source Water Assessment of our sources was completed by the PA Department of Environmental Protection (PA DEP). The Assessment has found that our sources are potentially most susceptible to road deicing materials, accidental spills along roads and leaks to underground storage tanks. Overall, our sources have little risk of agricultural contamination. A summary report of the Assessment is available on the DEP website at [www.dep.state.pa.us](http://www.dep.state.pa.us) (DEP keyword: "source water"). Complete reports were distributed to municipalities, water suppliers, local planning agencies and PA DEP offices. Copies of the complete report are available for review at the PA DEP Southwest Regional Office, Records Management Unit at 484.250.5900.

**The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.**

**Contaminants that may be present in source water include:**

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- Radionuclide contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

**In order to ensure that tap water is safe to drink, EPA and DEP prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for contaminants in bottled water which must provide the same protection for public health.**

**Drinking water including bottled water may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).**

**Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).**

### NEW HANOVER TOWNSHIP

## KIDS FISHING DERBY

Hickory Park  
2140 Big Road, Gilbertsville

Pre-registration required  
Saturday May 15 9 to 11 am  
Rain date May 16

PRIZES  
Winner for the 1st caught, smallest, biggest, the most fish

Open to ages 12 and under  
Bring your own fishing pole and bait

[www.newhanover-pa.org](http://www.newhanover-pa.org)

Make your voice heard!!  
Attend a Conservation Plan  
Public Meeting (Listed on Back)

**Pennsylvania Environmental Council**  
117 South 17th Street | Philadelphia, PA 19103 215-563-0202 FAX 215-563-0203  
http://www.pennenviro.org/~peac

## Upper Perkiomen and Unami Creek Watersheds

P.O. Box 203  
Fairton, PA 18070-0203  
http://www.upperwatersheds.org



## Spring Activities and STORMWATER



### Yard Work



- Dispose of debris from yard work, gardening, and lawn care activities properly.
- Plant trees, native plants, and ground cover to soak up spring rains and provide food and habitat for pollinators.
- Uncover and clean storm drains, gutters, and down spouts to help avoid flooding.

### Vehicle Washing & Maintenance



- Wash your vehicles with phosphate-free and biodegradable soaps in a grassy or gravel area.
- Inspect vehicles and other equipment for spills, drips, and leaks periodically to avoid pollution reaching the storm sewer system.

### Outdoor Activities



- While enjoying outdoor activities with your dog, be sure to pick up waste and dispose in a trash receptacle.
- Pet waste is a source of stormwater pollution.
- Also, while out and about, keep an eye out for illicit discharges in your community. If you spot one, report it to the Township.

### Spring Cleaning



- Properly dispose of any unwanted household paints and chemicals from spring cleaning at a local hazardous waste collection site.
- Move stored chemicals such as salt, fertilizers, and pesticides to high areas where potential stormwater cannot reach.

For questions or comments contact  
New Hanover Township at (610) 323-1008



## 2021 Montgomery County Household Hazardous Waste By appointment only, p

### DATES:

**Saturday, April 24**  
Boyertown Middle School East  
2020 Big Road, Gilbertsville

**Saturday, May 1**  
Indian Valley Middle School  
130 Maple Avenue, Harleysville

**Saturday, May 8**  
Montgomery County Community College  
Enter at 595 Cathcart Road, Blue Bell

**Saturday, June 12**  
Temple University–Ambler Campus  
Enter at 1431 E. Butler Pike, Ambler

**Saturday, June 19**  
Abington Junior High School  
Enter at 2056 Susquehanna Road, Abington

**Saturday, September 25**  
Spring-Ford 9th Grade Center  
100 South Lewis Road, Royersford

**SUNDAY, October 24**  
Lower Merion Transfer Station  
300 N. Woodbine Avenue, Penn Valley

Register at [www.MontcoPARecycling.com](http://www.MontcoPARecycling.com)

MONTGOMERY COUNTY  
Valerie A. Arkoosh, MD, MPH, Chair

## New Hanover Township ISSUED PERMITS : 02/24/2021 - 03/24/2021

Building	Permit Parcel	Work Desc	Applicant	Work Location	Permit Fee	UCC	Comments	Status	App. Date	Issue Date
	B- 470006703072 210055	Residential Res : Interior Alterations	HANCHURUCK MICHAEL & DEBORAH &	2665 SHADY LN	\$529.50	\$4.50		ACTIVE	02/24/2021	02/24/2021

### Hickory Park Pool

#### 2021 Pool Season

The pool will be open from May 29 to August 23  
Pool Hours: 12:00PM-7:00PM  
Daily Rates

(No weekend or holiday day passes for non-residents)

	Residents	Non-Resident
Adults	\$6.00 per day	\$8.00 per day
Children (ages 3-12)	\$5.00 per day	\$7.00 per day
Seniors (ages 62 & over)	\$2.00 per day	\$4.00 per day

Children under the age of two are free  
Children under the age of sixteen (16) must be accompanied by an adult

#### Season Membership Rates

Season Passes: (Basic, Half, Regular)	Residents	Non-Residents
Family Membership (4 family members)	\$200.00	\$250.00
Extra person	\$ 15.00	
Single Membership	\$ 85.00	
Senior Membership	\$ 50.00	\$ 70.00
Monthly Passes: (Basic, Half, Regular)		
Family Membership (4 family members)	\$ 80.00	\$100.00
Single Membership	\$ 40.00	\$ 50.00
Senior Membership	\$ 30.00	\$ 40.00

Pool Membership Applications can be found online at [www.newhanoverpa.org](http://www.newhanoverpa.org) and can be mailed to an address at 2140 Big Road, New Hanover Township, PA 17053.  
New Hanover Township Residents get a 10% discount if you sign up before May 10, 2021!  
New Hanover Township 610-323-3008 ext. 104



### Office Hours

Monday – Friday  
8:30am to 4:30pm



Do you know how much water your household uses in a week?

Curious to find out?

Contact Elizabeth Hittle [ehittle@usgs.gov](mailto:ehittle@usgs.gov)

### MELTING SNOW: IT'S STORMWATER, TOO!

When snow melts at your home it can create lots of problems that are both similar to spring rains and unique to winter weather. Just like when rain falls the rest of the year, melting snow turns into stormwater runoff, which sweeps across your yard and driveway carrying pollutants and high volumes of water into our nearby streams, lakes, and other waterways. Both rain and snow melt flow over the land in our developed communities and can seriously impair our streams, impacting our water quality. Rain and snow melt can also cause significant property damage at your home.

Here are some tips for managing your property for winter stormwater this season:

- Fill your snow in areas where you don't usually have ponding in the spring rains, on relatively flat areas, and away from sensitive areas like streams, ponds, and your private well if you have one.
- Clear your driveways to allow melting roof snow to flow and not collect at your foundation.
- Do not pile snow on storm drains and clear away any snow that may have been kicked onto the drains by passing cars.
- Use de-icing chemicals and salts wisely. The what you need to make your walkways and driveways safe but try to avoid spreading around sensitive areas like waterways and your private well.
- Proactively maintain construction projects in winter, when you can't establish new vegetation to reduce soil loss and muddy runoff.
- Pay special attention to places that are eroding during snow melt, and plan to improve these areas by using plants that can slow and stop erosion, like native grasses and meadow plants or native trees and shrubs.

For questions or comments contact New Hanover Township at (610) 323-1008

### 2021 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE RESIDENTIAL EVENTS

By Appointment Only. Preregistration is Required. Register at County websites listed below. NO ELECTRONICS ACCEPTED.

Date	County	Location
April 3, 2021	Bucks	Bucks County Community College, 219 Beaver Rd, Newtown
April 10, 2021	Chester	Government Services Center, 601 Westtown Rd, West Chester
April 10, 2021	Philadelphia	Shrews Dept. Training Center, 3401 State St, at Ardmore St, Phila.
April 24, 2021	Delaware	Everman Middle School East, 2025 Big St, Delaware
April 24, 2021	Delaware	Emergency Services Training Center, 1600 Cabot Hook Rd, Shore Hill
May 1, 2021	Montgomery	Indian Valley Middle School, 130 Maple Ave., Hartsville
May 6, 2021	Bucks	Upper Bucks County Area Vocational Technical School, 2119 Ridge Rd, Perkasie
May 6, 2021	Montgomery	Montgomery County Community College, enter at 595 Calhoun Rd., Blue Bell
May 15, 2021	Philadelphia	1st District Highway Yard, 4000 Parkside Ave., Phila.
June 12, 2021	Philadelphia	Temple University-Ambler Campus, enter on 1431 E. Butler Pike, Ambler
June 12, 2021	Delaware	Rowe Tree Park, 1827 N. Providence Rd., Media
June 12, 2021	Delaware	Sharon Jones High School, enter on 2056 Salsburgs Rd., Abington
June 19, 2021	Philadelphia	Northwest Transfer Station, Dennis Ln. & Drexel St., Phila.
June 26, 2021	Delaware	Customer CDO Center, 1635 E. Lincoln Way, Castleton
June 26, 2021	Bucks	Central Bucks South High School, 1100 Folly Rd, Warminster
July 14, 2021	Philadelphia	Drexel Dept. Training Center, 3401 State St, at Ardmore St, Phila.
August 14, 2021	Bucks	Bucks County Technical High School, 618 Route 61, Perkasie
September 28, 2021	Delaware	Delaware School District Administration Building, 175 Bell Tower Ln, Bldg. 105, Dufur
September 28, 2021	Montgomery	Emergency Services Training Center, 1600 Cabot Hook Rd., Shore Hill
September 28, 2021	Philadelphia	1st District Highway Yard, 4000 Parkside Ave., Phila.
September 28, 2021	Montgomery	Spring Hill 8th Grade Center, 400 South Lewis Rd., Royersford
October 9, 2021	Delaware	Government Services Center, 601 Westtown Rd., West Chester
October 9, 2021	Philadelphia	Shrews Dept. Facility, 3033 South 83rd St., Northwest of Passaic Ave., Phila.
October 16, 2021	Delaware	Upper Chester Township Municipal Building, 6500 Ferry Rd., Upper Chester
October 20, 2021	Montgomery	Lower Merion Transfer Station, 1200 N. Woodbine Avenue, Parnell Valley
October 20, 2021	Bucks	Straw Middle School, 1200 Ronald Reagan Drive, Quakertown
November 6, 2021	Philadelphia	Shrews Dept. ME Facility, 3401 State Ave, between Center & Linn, Near Haglers Fst of 68, Phila.

For additional information:

Bucks County	215-345-3400	<a href="http://www.buckscounty.org/recycling">www.buckscounty.org/recycling</a>
Chester County	610-272-3771 x228	<a href="http://www.chestercounty.org">www.chestercounty.org</a>
Delaware County	610-892-9627	<a href="http://www.co.delaware.pa.us">www.co.delaware.pa.us</a>
Montgomery County	610-278-3818	<a href="http://www.MontcoPARecycles.org">www.MontcoPARecycles.org</a>
Philadelphia	215-686-5560	<a href="http://www.phila.org/hazwaste">www.phila.org/hazwaste</a>

### NEW HANOVER TOWNSHIP KIDS FISHING DERBY

Hickory Park  
2140 Big Road, Gilbertsville

Pre-registration required Saturday May 15 9 to 11 am  
Rain date May 16

PRIZES Winner for the 1st caught, smallest, biggest, the most fish

Open to ages 12 and under  
Bring your own fishing pole and bait

[www.newhanover-pa.org](http://www.newhanover-pa.org)

### What is Stormwater? Why should you care about Stormwater?

Stormwater is the water that runs off the land after precipitation. Stormwater runoff happens in natural, undeveloped areas, but typically only for larger storms. For most areas in Pennsylvania that are wooded or natural meadows, it takes about an inch or more of rain to produce runoff.

After development, the natural wooded or meadow areas are replaced with roofs, sidewalks, driveways, and streets. These hard surfaces are called impervious surfaces, and they do not allow water to drain through them, unlike how rain can drain into soil which is called a pervious surface. When rain falls on impervious surfaces, it runs off rather than infiltrating into the soil or being taken up by vegetation.

Negative impacts of stormwater runoff can include flooding, erosion of streams, sediment build up in lakes, and pollution of streams and lakes.

Stormwater flows much faster along a road than it does in the woods. The faster moving water is able to pick up more pollutants like sediment, fertilizers, pesticides, trash (from pet waste), and other contaminants, and carry the pollutants to streams and lakes.

An increase in the amount of water that runs off after development and how quickly it runs off can cause erosion and instability in streams, and stormwater runoff can cause streams to become wider, deeper, and straighter, losing their natural bends (or meanders) and decreasing habitat for fish and other animals that live in streams. Stormwater from developed areas can also be hotter than natural stream sources. Warmer water holds less dissolved oxygen so stormwater can be harmful to fish that need more oxygen.

It's easy to notice the flooding impacts of large storms, but over time, smaller storms can have an impact on streams, too. Across the state, about 15% of the rainfall volume occurs in small events (less than 2.4 to 3.2 inches depending on your location).

### Summer Camp at New Hanover Community Park

Monday – Friday from 9AM – 12PM

Session 1: June 28<sup>th</sup> – July 9<sup>th</sup> \$45.00  
Session 2: July 12<sup>th</sup> – July 23<sup>rd</sup> \$45.00  
Both Sessions: June 28<sup>th</sup> – July 23<sup>rd</sup> \$130.00

For more information, please visit [www.newhanover-pa.org](http://www.newhanover-pa.org)

### Stormwater Pollution Prevention

Residential Landscaping

Stay at least 6 feet (about 2 arms' length) from other people.

Cover your cough or sneeze with a tissue. Then throw the tissue in the trash and wash your hands.

When in public, wear a cloth face covering over your nose and mouth.

Do not touch your eyes, nose, and mouth.

Clean and disinfect frequently touched objects and surfaces.

Stay home when you are sick, and except to get medical care.

Wash your hands often with soap and water for at least 20 seconds.

[www.cdc.gov/coronavirus](http://www.cdc.gov/coronavirus)

### Stop the Spread of Germs

Help prevent the spread of respiratory diseases like COVID-19.

Stay at least 6 feet (about 2 arms' length) from other people.

Cover your cough or sneeze with a tissue. Then throw the tissue in the trash and wash your hands.

When in public, wear a cloth face covering over your nose and mouth.

Do not touch your eyes, nose, and mouth.

Clean and disinfect frequently touched objects and surfaces.

Stay home when you are sick, and except to get medical care.

Wash your hands often with soap and water for at least 20 seconds.

[www.cdc.gov/coronavirus](http://www.cdc.gov/coronavirus)

### Spring Activities and STORMWATER

Yard Work

- Dispose of debris from yard work, gardening, and lawn care activities properly.
- Plant trees, native plants, and ground cover to soak up spring rains and provide food and habitat for pollinators.
- Uncover and clean storm drains, gutters, and down spouts to help avoid flooding.

Vehicle Washing & Maintenance

- Wash your vehicles with phosphate-free and biodegradable soaps in a grassy or gravel area.
- Inspect vehicles and other equipment for spills, drips, and leaks periodically to avoid pollution reaching the storm sewer system.

Outdoor Activities

- While enjoying outdoor activities with your dog, be sure to pick up waste and dispose in a trash receptacle.
- Pet waste is a source of stormwater pollution.
- Also, while out and about, keep an eye out for illicit discharges in your community. If you spot one, report it to the Township.

Spring Cleaning

- Properly dispose of any unwanted household paints and chemicals from spring cleaning at a local hazardous waste collection site.
- Move stored chemicals such as salt, fertilizers, and pesticides to high areas where potential stormwater cannot reach.

For questions or comments contact New Hanover Township at (610) 323-3008

### 2021 Montgomery County, PA Household Hazardous Waste Drop-Off Events

By appointment only, preregistration required

DATES:

- Saturday, April 24**  
Beyertown Middle School East  
2020 Big Road, Gilbertsville  
Register Here
- Saturday, May 1**  
Indian Valley Middle School  
130 Maple Avenue, Hartsville  
Register Here
- Saturday, May 8**  
Montgomery County Community College  
Enter at 595 Calhoun Road, Blue Bell  
Register Here
- Saturday, June 12**  
Temple University-Ambler Campus  
Enter at 1431 E. Butler Pike, Ambler  
Register Here
- Saturday, June 19**  
Arlington Junior High School  
Enter at 6556 Susquehanna Road, Abington  
Register Here
- Saturday, September 25**  
Spring-Ford 9th Grade Center  
400 South Lewis Road, Royersford  
Register Here
- SUNDAY, October 24**  
Lower Merion Transfer Station  
1300 N. Woodbine Avenue, Parnell Valley  
Register Here

Registration available at [MontcoPARecycles.org](http://MontcoPARecycles.org)

Free residential collection events are held outdoors. Montco residents may also attend any Household Hazardous Waste event held by Bucks, Chester, Delaware, or Philadelphia Counties.

Please do not contact the host sites, as they are not affiliated with the events.

In case of severe weather, call 610.278.3618. Contact us at: [recycling@montcopa.org](mailto:recycling@montcopa.org) 610.278.3618

Follow us at [MontgomeryCountyRecycling](https://www.facebook.com/MontgomeryCountyRecycling)

### Guidelines for Maintaining Streams in Your Community

DEP wants to help Pennsylvania communities complete all necessary stream work in a way that is environmentally responsible, reduces the likelihood of future flooding problems, and complies with regulations. When in doubt, contact PA DEP for assistance before you start stream work projects.

**Green Light—Go!**

Proceed—These actions do not require DEP notification, pre-approval, or additional permits.

- Removing rocky debris and non-point source materials from the stream, banks, and riparian areas by hand or using hand-held equipment
- Removing above bank items using heavy equipment from the bank, equipment should not enter the stream or dig into the streambed
- Removing gravel and debris in and close to bridges and culverts (note: review permit conditions first)
- Closing a flooded stream for emergency access to your property, if conditions are safe

**Yellow Light—Slow Down!**

Call DEP first—Notification, pre-approval, or emergency permits may be required.

- Rehabilitating roads and bridges across streams
- Streambank stabilization projects, including riprap
- Removing gravel bars from the stream channel using heavy equipment
- Replacing a bridge or culvert, or removing one in danger of failure

**Red Light—Stop!**

These actions require permits from DEP and possibly from the U.S. Army Corps of Engineers or other agencies:

- Redirecting the flow of a stream by reshaping gravel bars, or moving gravel to the streambanks
- Moving/relocating a stream
- Dredging or stalling streams, or creating dikes
- Building a new bridge or culvert

Remember: When in Doubt, Call DEP!

[pennsylvania](http://www.pennsylvania.gov)  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Visit the DEP website at <http://www.dep.pa.gov> for more information about relevant permits and programs.

Southwest (Northwest) Regional Office  
2 East Main Street, Tompkins, PA 16811  
Phone: (484) 229-2888

# Hickory Park

2140 Big Road, Gilbertsville

Pre-registration required  
Saturday May 15  
9 to 11am  
Rain date May 16

PRIZES  
Winner for the  
1st caught,  
smallest,  
biggest, the  
most fish

Open to ages 12  
and under  
Bring your own  
fishing pole  
and bait

[www.newhanover-pa.org](http://www.newhanover-pa.org)

## Spring Activities and STORMWATER



### Yard Work



- Dispose of debris from yard work, gardening, and lawn care activities properly.
- Plant trees, native plants, and ground cover to soak up spring rains and provide food and habitat for pollinators.
- Uncover and clean storm drains, gutters, and down spouts to help avoid flooding.

### Vehicle Washing & Maintenance



- Wash your vehicles with phosphate-free and biodegradable soaps in a grassy or gravel area.
- Inspect vehicles and other equipment for spills, drips, and leaks periodically to avoid pollution reaching the storm sewer system.

### Outdoor Activities



- While enjoying outdoor activities with your dog, be sure to pick up waste and dispose in a trash receptacle.
- Pet waste is a source of stormwater pollution.
- Also, while out and about, keep an eye out for illicit discharges in your community. If you spot one, report it to the Township.

### Spring Cleaning



- Properly dispose of any unwanted household paints and chemicals from spring cleaning at a local hazardous waste collection site.
- Move stored chemicals such as salt, fertilizers, and pesticides to high areas where potential stormwater cannot reach.

For questions or comments contact  
New Hanover Township at (610) 323-1008



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### What is Storm Water?

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

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

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



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



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



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

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



### Where To Go To Continue the Information Flow

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

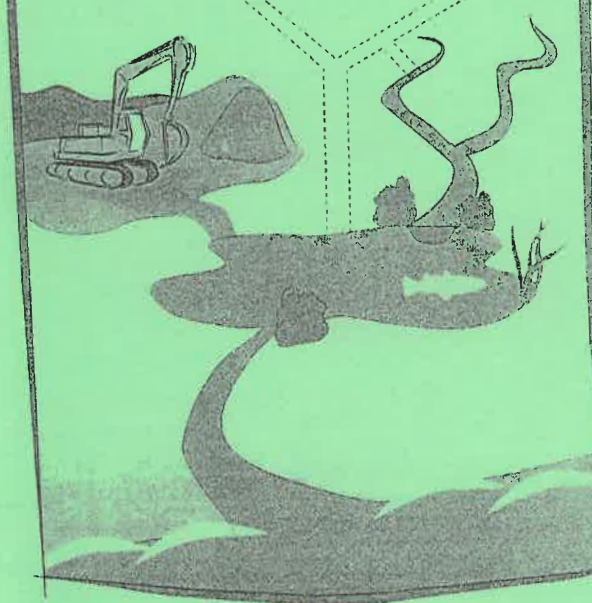


Pennsylvania Department of Environmental Protection  
www.dep.state.pa.us

- prevent it from being used as a trash can.
1. Ditch - Part of the storm sewer system. Most people think that the system is just a series of underground pipes. It can also include ditches used to convey storm water from the land to a receiving lake, river, or stream.
  2. Fire Hydrant - Not part of the storm sewer system. Water sprayed from fire hydrants is not storm water, but is allowed by law to enter the storm sewer system.
  3. Curb with Storm Drain Inlet - Part of the storm sewer system. Many people do not realize that this is an opening leading to the storm sewer system. Anything going into this inlet (e.g., trash, leaves, improperly disposed of hazardous materials) travel directly to a receiving lake, river, or stream without being treated first. Many communities send storm drains with "Do Not Dump" messages to let people know.
  4. Storm Sewer Outfall - Part of the storm sewer system. An outfall is where storm water drains from the storm sewer system into a receiving lake, stream, or river. If there is a flow from an outfall when it isn't raining, there could be a problem with the system or someone has used a storm drain for illegally disposing of materials.
  5. Toilet - Not part of the storm sewer system. Wastewater from sinks and toilets in houses and businesses may have a combined sewer system designed to carry sanitary wastes, in some instances, older communities travel through a sewer system constructed to carry sanitary wastes, in some instances, older communities have a combined sewer system. Homeowners use septic tanks to manage sanitary wastes, as well as directly to lakes, rivers, and streams.
  6. Septic Systems - 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 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

# When It Rains, It Drains

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



Answers to Test Your Storm Sewer System Savvy:

# Stormwater Pollution Solutions



## Residential

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

### Lawn care

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

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



### Septic systems

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

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



### Auto care

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

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



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

### Residential landscaping

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

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

**Rain Gardens and Grass Swales**—Specially designed areas planted with native plants can provide natural places for



rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

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



### Pet waste

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

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



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

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

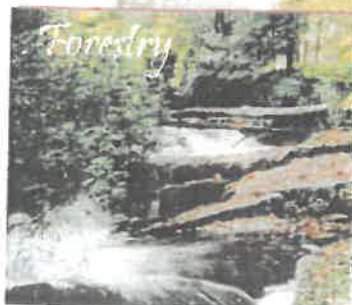
Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

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



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

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



Improperly managed logging operations can result in erosion and sedimentation.

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



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

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

# Let's All Work Together to Keep Our Rivers Clean



## Gusher.

A leaky faucet, shower or toilet can waste 50 gallons of water in just one day. And that's a serious threat to our rivers. Much of our tap water comes from rivers. Wasting water depletes our rivers and costs you money.

So please, fix the leaks. Your rivers are closer than you think – thanks for keeping them flowing.



**RiverSmart**

Be RiverSmart about things you do at home. A River Network Project

Presented by **Swiss Re**



## Guzzler.

When you let the water run while brushing your teeth, shaving or washing dishes, you're swallowing up our rivers. Rivers are the primary source of tap water and wasting it depletes our rivers and costs you money.

So please, turn off the water. You'll save over three gallons each time you brush your teeth. Your rivers are closer than you think – thanks for keeping them flowing.

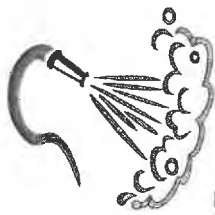


## Culprit.

Not all water pollution comes from big factories – it's also caused by little household chores. Like washing off paint, cleaning with products that contain chlorine bleach, using drain cleaners, and disposing of solvents such as stain removers or turpentine in the sink.

So please, dry off excess paint with a paper towel before rinsing. Avoid cleaning products marked "Poison" and "Danger," choosing environmentally friendly products instead. And drop off toxic chemicals at your local hazardous waste center.

Your rivers are closer than you think – thanks for keeping them safe.



## Clean?

Hosing off your driveway or sidewalk sends dirt, motor oil, fertilizer, and animal waste into our rivers – the very water we drink. So please, sweep instead of hosing. Limit your fertilizer use and avoid applying it before a rainy day. Take care when changing your motor oil. And tidy up after your pets.

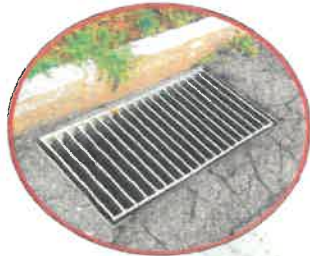
Your rivers are closer than you think – thanks for keeping them clean.

To find out more go to [riversmart.org](http://riversmart.org).



More information available from New Hanover Township at <http://www.newhanover-pa.org/stormwater.html>

# SPRING STORMWATER TIPS



## CLEAR

Uncover and clean storm drains, gutters, and down spouts to help avoid flooding.



## MAINTAIN

Inspect vehicles and other equipment for spills, drips, and leaks.



## PLANT

Plant trees, native plants, and ground cover to soak up spring rains and provide food and habitat for pollinators.



## PROTECT

Move stored chemicals such as salt, fertilizers, and pesticides to high areas where potential stormwater cannot reach.



## PICK UP

Pick up pet waste and dispose in a trash receptacle. Pet waste is a source of stormwater pollution.



## DISPOSE

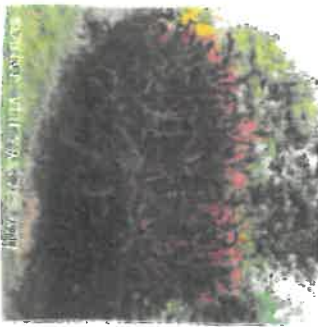
Properly dispose of any unwanted household paints and chemicals from spring cleaning at a local hazardous waste collection site.

# Spring Stormwater Management

Ways to reduce stormwater runoff while improving wildlife habitat

## Remove these invasive species:

### Japanese Barberry



- Shrub that spreads quickly and crowds out native plants
- Presence of Lyme disease carrying ticks is increased in areas where barberry is prevalent

### Bradford Pear



- Fast growing tree that out competes natives for light and nutrients
- Branch structure makes it susceptible to breakage and splitting

### Day Lily



- Quickly spreads from yards into natural areas where it forms dense patches that displace native plants
- Thick tubers make control and removal difficult

## Plant these natives species instead:

### Common Ninebark



- Fast growing shrub that is drought tolerant, disease and insect resistant
- Attracts bees and birds
- Produces white flowers in early summer

### Eastern Redbud



- Deer resistant tree that does well in shady locations
- Attracts bees and birds
- Produces fragrant pink flowers in early spring

### Butterfly Milkweed



- Deer and drought resistant perennial
- Attracts butterflies and hummingbirds. Larval host for monarchs
- Produces long lasting, showy, orange flowers throughout the summer



# Caring for your Yard this Fall

Tips for reducing stormwater pollution  
on your property

**1) Let your grass clippings lay.** Not only does this reduce waste, the clippings will act as a natural fertilizer for your lawn, releasing nutrients and water into the soil.



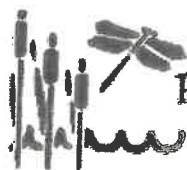
**2) Use fertilizers sparingly and never before rain.** When applying fertilizers, avoid spreading them in paved areas where they can easily wash into a stormdrain.



**3) Plant a native tree!** Trees have deep roots that absorb rain water and reduce erosion. Some natives, like the paw paw tree, produce an edible fruit for you to harvest and enjoy!



**4) Install a rain garden.** Rain gardens are bowl shaped gardens, planted with native vegetation, that will filter and use stormwater. Plant them in a naturally wet area in your yard to reduce flooding!



Perkiomen  
Watershed  
Conservancy



## MELTING SNOW: IT'S STORMWATER TOO!



When *snow melts* at your home it can create lots of problems that are both similar to spring rains and unique to winter weather. Just like when rain falls the rest of the year, melting snow turns into stormwater runoff, which sweeps across your yard and driveway carrying pollution and high volumes of water into our nearby streams, lakes, and other waterways. Both rain and snow melt flow over the land in our developed communities and can seriously impair our streams, impacting our water quality. Rain and snow melt can also cause significant property damage at your home.

Here are some tips for *managing your property* for winter stormwater this season:

- **Pile your snow** in areas where you don't usually have ponding in the spring rains, on relatively **flat areas**, and **away from sensitive areas like streams**, ponds, and your private well if you have one.
- **Clear your downspouts** to allow melting roof snow to flow and not collect at your foundation.
- **Do not pile snow on storm drains** and clear away any snow that may have been kicked onto the drains by passing cars.
- **Use de-icing chemicals and salts wisely.** Use what you need to make your walkways and driveways safe but try to **avoid spreading around sensitive areas like waterways** and your private well.
- **Postpone outdoor construction projects in winter**, when you can't establish new vegetation to reduce soil loss and muddy runoff.
- **Pay special attention to places that are eroding during snow melt**, and plan to improve these areas by using plants that can slow and stop erosion, like native grasses and meadow plants or native trees and shrubs.

For questions or comments contact New Hanover Township at (610) 323-1008

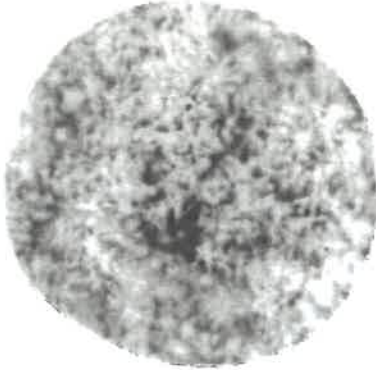


Adapted from "Melting Snow: It's Stormwater Too!" *Penn State Extension*, Penn State Extension, 16 Feb. 2018, [extension.psu.edu/melting-snow-its-stormwater-too](https://extension.psu.edu/melting-snow-its-stormwater-too). Accessed 09 Feb. 2021.

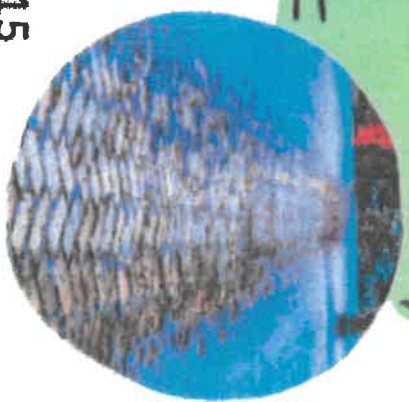
# Reducing Pollution This Winter

What you can do to prevent stormwater pollution on your property

1) **Shovel as soon as possible after a snowstorm. As a result, less ice will form and you won't need to use as much salt or de-icer.**



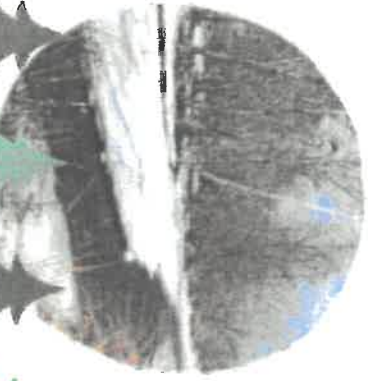
2) **Use safe and effective alternatives to salt. Remember that salt is not effective below 15 degrees Fahrenheit. Sand or kitty litter will give you traction when it's too cold for salt.**



3) **Plant native species, that are salt tolerant, near paved areas. Not only will these species be able to survive despite the road salt, they will also act as a protective buffer for local waterways.**



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





Now that we are in the midst of hurricane season, it is important that residents understand best practices for performing stream maintenance on their properties in order to minimize sediment discharges into surface waters. There are specific stream maintenance activities that can be performed without approval or permitting from PA DEP because of the low potential for impact to streams.

The attached poster provides guidance for when to contact PA DEP for specific types of stream maintenance activities and is a good resource for residents. If you would prefer a more interactive option, a video on this topic is located at the following link:

<https://www.youtube.com/watch?v=XOrKz6kbsJE#action=share>

## Guidelines for Maintaining Streams in Your Community

DEP wants to help Pennsylvania communities complete all necessary stream work in a way that is environmentally responsible, reduces the likelihood of future flooding problems, and complies with regulations. When in doubt, contact PA DEP for assistance before you start stream work projects.



### Green Light—Go!

Proceed—These actions do **not** require DEP notification, pre-approval, or additional permits.

- Removing woody debris and manmade debris materials from the stream, banks, and riparian areas by hand or using hand-held equipment
- Removing debris items using heavy equipment from the bank, equipment should not enter the stream or dig into the streambed
- Mowcutting grass and debris in and close to bridges and culverts (Note: reverse permit conditions first)
- Crossing a stream channel for emergency access to your property, if conditions are safe



### Yellow Light—Slow Down!

Call DEP first. Notification, pre-approval, or emergency permits may be required.

- Rebuilding roads and bridges across streams
- Streambank stabilization projects, including riprap
- Removing gravel bars from the stream channel using heavy equipment
- Repairing a bridge or culvert, or removing one in danger of failure



### Red Light—Stop!

These actions require permits from DEP, and possibly from the U.S. Army Corps of Engineers or other agencies:

- Redirecting the flow of a stream by reshaping gravel bars, or moving gravel to the streambank
- Moving/relocating a stream
- Dredging or staking streams, or creating dikes
- Building a new bridge or culvert

**Remember: When in Doubt, Call DEP!**



• Southeast (Norristown) Regional Office  
 1 East Main Street, Norristown, PA 19401  
 Phone: (484) 253-0000



visit the DEP website at <http://www.dep.pa.gov> for more information about relevant permits and programs.

You and 2 others

1 Share

Like

Comment

Share



**New Hanover Township**

September 21, 2020 · 🌐

Swimming pools discharges are a common issue this time of year. Per the Township's ordinance, dechlorinated swimming pool discharges are authorized discharges that do not significantly contribute to pollution to the MS4 or waters of the Commonwealth. Pool water must be properly dechlorinated prior to dewatering.

The following link <https://youtu.be/28I1qP-rtw0> is a video published by PA DEP called "Tips for Proper Swimming Pool Drainage". This video briefly explains how a resident may properly drain the water from their pools.



YOUTUBE.COM

**Tips for Proper Swimming Pool Drainage**

Discharged pool water and waters containing chlorine or other chemicals...

👍 3

1 Share

👍 Like

💬 Comment

➦ Share

# MELTING SNOW: IT'S STORMWATER TOO!



When **snow melts** at your home it can create lots of problems that are both similar to spring rains and unique to winter weather. Just like when rain falls the rest of the year, melting snow turns into stormwater runoff, which sweeps across your yard and driveway carrying pollution and high volumes of water into our nearby streams, lakes, and other waterways. Both rain and snow melt flow over the land in our developed communities and can seriously impair our streams, impacting our water quality. Rain and snow melt can also cause significant property damage at your home.

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- **Clear your downspouts** to allow melting roof snow to flow and not collect at your foundation.
- **Do not pile snow on storm drains** and clear away any snow that may have been kicked onto the drains by passing cars.
- **Use de-icing chemicals and salts wisely**. Use what you need to make your walkways and driveways safe but try to **avoid spreading around sensitive areas like waterways** and your private well.
- **Postpone outdoor construction projects in winter**, when you can't establish new vegetation to reduce soil loss and muddy runoff.
- **Pay special attention to places that are eroding during snow melt**, and plan to improve these areas by using plants that can slow and stop erosion, like native grasses and meadow plants or native trees and shrubs.

For questions or comments contact New Hanover Township at (610) 323-1008



Adapted from "Melting Snow: It's Stormwater Too!" *Penn State Extension*, Penn State Extension, 16 Feb. 2018, [extension.psu.edu/melting-snow-its-stormwater-too](https://extension.psu.edu/melting-snow-its-stormwater-too). Accessed 09 Feb. 2021.



# Township of New Hanover

New Hanover Township Building • 2943 North Charlotte Street, Gilbertsville, PA 19525-9718

Phone: (610) 323-1008 • Fax: (610) 323-5173

Website: [www.newhanover-pa.org](http://www.newhanover-pa.org)

June 22, 2021

FEF, LLC.  
10 SCHOOLHOUSE ROAD, STE 1  
SOUDERTON, PA 18964

RE: Notice of Upcoming Stormwater BMP Inspections  
New Hanover Township

Dear FEF, LLC.,

New Hanover Township records indicate that there is a stormwater Best Management Practice (BMP) facility on or adjacent to 3488 Church Road. Stormwater BMPs are methods, measures, or practices used to prevent or reduce surface runoff and/or water pollution and include, structural and nonstructural BMPs and operation and maintenance procedures. Structural BMPs include constructed facilities like rain gardens, infiltration beds, and stormwater basins; non-structural BMPs include protection of open spaces like riparian buffer areas.

Per the recorded Stormwater BMP and Operations and Maintenance (O&M) Agreement, the Township will perform inspections of the BMP(s) on your property, a minimum of once every three (3) years to ensure its continued functioning. The Township intends to work with responsible parties to ensure that BMPs are being properly maintained and are in adequate working condition.

CEDARVILLE Engineering Group, LLC (CEG) has been contracted by New Hanover Township to conduct inspections of these BMPs. New Hanover Township Code (§23-709) and the Operations & Maintenance (O&M) agreement for your stormwater BMP authorizes the Township to inspect these stormwater facilities.

The purpose of this letter is to kindly inform you of the need to access your property to perform the inspection. Inspections will be conducted July through August of 2021. Inspectors will be adhering to all current and applicable CDC Guidelines regarding COVID-19. It is not required that the HOA or property owner(s) be present for this inspection, but you may contact CEG by July 2, 2021, to coordinate a time if you would like to be present.

The Township will provide you with the inspection results, along with an assessment of whether the stormwater BMP is in compliance and functioning properly, or is in violation and in need of maintenance, repairs, or remediation. You will also receive an invoice for the Township inspection

per your O&M agreement. Please contact Michele Smith, the Township Finance Director at 610-323-1008, to determine if you have an existing escrow account with the Township.

For more information on these inspections, including the plans and O&M agreement for the stormwater BMP on your property, please access the New Hanover Township Stormwater BMP Inspection Program Story Map by entering the following link into a browser: <https://arcg.is/0rDXjL> or by opening the camera on your phone, pointing it at the QR code to the right, and tapping the banner that appears at the top of your phone.



Thank you for your cooperation, and if you have any questions, please contact Beth Uhler, CEDARVILLE Engineering Group, LLC at 610-705-4500.

Best Regards,

Jamie Gwynn  
Township Manager

# New Hanover Township Stormwater BMP Inspection Program

Stormwater Management Program

[Background](#)[What is a BMP?](#)[Operation & Maintenance Responsibilities](#)[Inspection Process](#)[BMP Property Search](#)

New Hanover Township has developed and is implementing a **Stormwater Best Management Practice (BMP) Inspection Program** as part of the Township's Stormwater Management Program.

The purpose of the **Stormwater BMP Inspection Program** is to ensure that all stormwater BMPs installed to meet Township ordinance requirements are properly maintained by their owners. This includes BMPs constructed to meet the following requirements:

- National Pollutant Discharge Elimination System (NPDES) Permits for Stormwater Discharges Associated with Construction Activities (i.e.,  $\geq 1$  acre of earth disturbance) approved since March 10, 2003.



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# NEW HANOVER TOWNSHIP



ESTABLISHED 1741

Dear Residents,

Welcome to the fall/winter edition of our community newsletter!

This edition is packed with information on each department within the Township and projects and happenings throughout the fall and winter. Don't miss the sections related to information about new payment options for your sewer bill, and information about our beautiful parks along with rental opportunities.

In addition to the projects and events, we always encourage our residents to get involved and attend our meetings. We are in the final stages of completing our 2040 Comprehensive Plan which will guide the Township toward its vision for the next 20 years. Improvements planned in the near future include a new traffic signal and turn lanes at the intersection of Route 663 and 73, collaborating with PennDOT to begin work on replacing a culvert on Route 663 near the intersection of Swamp Pike and replacement of the bridge on New Hanover Square Road.

The production of this newsletter was funded by local businesses through advertisements. Please consider shopping locally to support those who have helped us spread the news about what's happening in our community.

We have all been impacted by the COVID-19 pandemic. Please be considerate of others, as some have experienced great losses. We encourage everyone to continue to follow CDC recommendations to protect their health and the health of others and are grateful to all those who have and continue to provide services as businesses begin to open.

Enjoy your fall and winter months and feel free to contact the Township office should you need assistance or have questions.

Sincerely,

Charles D. Garner, Jr., Chairman

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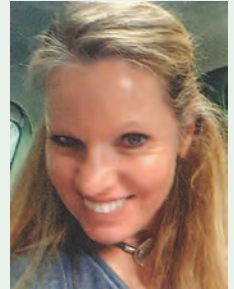
**Kathy Landis, Realtor**

Office: (610) 369-3600

Cell: (610) 226-7087

[klandis@gokellyrealestate.com](mailto:klandis@gokellyrealestate.com)

[www.gokellyrealestate.com](http://www.gokellyrealestate.com)



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# NEW HANOVER TOWNSHIP

New Hanover Township, Montgomery County  
2943 North Charlotte Street, Gilbertsville, Pennsylvania 19525  
Phone 610-323-1008 • Fax 610-323-5173 • Website: [www.newhanover-pa.org](http://www.newhanover-pa.org)

## OFFICE HOURS

Monday through Friday - 8:30 a.m. to 4:30 p.m.

## ADMINISTRATIVE OFFICES CLOSED

Independence Day	Saturday, July 4
Labor Day	Monday, September 7
Veterans Day	Wednesday, November 11
Thanksgiving Day	Thursday, November 26
Day After Thanksgiving	Friday, November 27
Christmas Eve	Thursday December 24
Christmas Day	Friday, December 25
New Year's Eve – ½ day	Thursday December 31

## BOARD OF SUPERVISORS

Charles D. Garner Jr., Chairman  
Kurt Zebrowski, Vice Chairman  
Marie Livelsberger, Treasurer  
W. Ross Snook, Member  
D. W. Boone Flint, Member

## MEETING SCHEDULE

Board of Supervisors	First Thursday and Fourth Monday (as needed) of each month at 6:30PM
Planning Commission	Second Wednesday of each month at 5:30PM
Sewer Authority	Third Wednesday of each month at 6:30PM
Recreation Committee	First Wednesday of the month at 6:30PM
Environmental Advisory Board	Second Monday of the month at 6:30PM

## STAFF DIRECTORY

Township Manager	Jamie Gwynn	610-323-1008 x 106	<a href="mailto:jgwynn@newhanover-pa.org">jgwynn@newhanover-pa.org</a>
Administrative Assistant	Eileen Pogany	610-323-1008 x 101	<a href="mailto:epogany@newhanover-pa.org">epogany@newhanover-pa.org</a>
Administrative Assistant	Shelly Sallade	610-323-1008 x 104	<a href="mailto:ssallade@newhanover-pa.org">ssallade@newhanover-pa.org</a>
Chief of Police	Kevin McKeon	610-323-1008 x 208	<a href="mailto:kmckeon@newhanoverpolice.org">kmckeon@newhanoverpolice.org</a>
Public Works Director	Jay Smith	610-323-1008 x 302	<a href="mailto:jsmith@newhanover-pa.org">jsmith@newhanover-pa.org</a>
Authority Superintendent	Brian Staehle	610-323-1008 x 407	<a href="mailto:bstaehle@newhanover-pa.org">bstaehle@newhanover-pa.org</a>
Finance Officer	Michele Smith	610-323-1008 x 105	<a href="mailto:msmith@newhanover-pa.org">msmith@newhanover-pa.org</a>
Code Enforcement/Zoning Director	James Wozniak	610-323-1008 x 103	<a href="mailto:jwozniak@newhanover-pa.org">jwozniak@newhanover-pa.org</a>

### TOWNSHIP TIDBIT

In the Colonial era, many farm buildings in New Hanover were roofed with clay tiles or rye straw thatch.



### THANK YOU TO THE BUSINESSES

This publication is made available through the generous advertising sponsorship of the businesses listed throughout our newsletter. We wish to encourage your patronage of these establishments; they play a substantial role in the economic vitality of our community.

## New Hanover Township Tax Collector Hours:

Due to the Covid-19 pandemic, there will be no collection hours scheduled at the Municipal Building.

Please remit your tax payments to Molly Bauer following instructions on your tax bill and mailing payments to P. O. Box 249, Gilbertsville, PA 19525.

Please note that tax payments are due on the following schedule:

### County/Township Taxes:

May 31, 2020 for a 2% discount

July 30, 2020 for the flat amount

After July 30, 2020 there is a 10% penalty

### School Taxes:

July 31, 2020 for election of the installment payment option which is then collected at the flat amount rate

August 31, 2020 for 2% discount

October 31, 2020 for the flat amount

After October 31, 2020 there is a 10% penalty



# FINANCE DEPARTMENT

The Finance Department is responsible for the recording of all revenues and for the disbursement of all funds in compliance with the annual budget. The department provides accurate financial statements to the Board of Supervisors at monthly meetings along with a detailed Bill's List. The Finance Department is responsible for the billing and collection of rebillable land development expenses and is also responsible for maintaining developer escrow accounts for all land development in the township. In addition, the Finance Department assists the Township Manager with the annual budget, maintains the fixed asset records, processes payroll, and administers our pension plans. Dallas Data Systems supports the Finance Department on a monthly basis by reconciling the township bank accounts. The Finance Department is also responsible for the filing of all annual reports throughout the year.

The Township adheres to the modified accrual basis of accounting and maintains all financial records in conformance with generally accepted accounting principles. Financial records are independently audited annually by Maillie, Certified Public Accountants, who issues audited financial statements that are available for public review via the township website.

# BUDGET SEASON!

The annual budget season typically begins 6-8 months into the Fiscal Year. The budget process takes about 6 months from initial planning to final approval. Each department of the township has a line-item budget that tracks every dollar spent for personnel, operating and equipment costs. Meetings are held with the department directors, the Township Manager and the Finance Officer to go over their budget requests. The Township Manager drafts a proposed budget which then goes to the Board of Supervisors for approval. This process can take up to 6 months.

The Board of Supervisors review the budget in detail (during work sessions) and then hosts a public meeting for public input and review. After the meeting, the Board of Supervisors will adopt the budget. The budget must be adopted before Dec. 31<sup>st</sup>.

## 2021 Budget Schedule:

**8/19/20 Municipal Authority Meeting:** Board reviews & recommends 10-year CIP based on the recommendation from the Township Manager, Authority Superintendent and Engineer

**9/2/20 Recreation Board Meeting:** Board reviews & recommends 10-yr CIP based on the recommendation from the Township Manager

**9/7/20 Boards & Commission's Recommendations Capital Improvement Plan Updated:** Directors submit their updated 10-year CIP

**9/16/20 Municipal Authority Meeting (if needed):** Board reviews & recommends 10-year CIP based on the recommendation from the Township Manager, Authority Superintendent and Engineer

**9/17/20 BOS CIP Distribution (Rough):** BOS receives a rough draft of the CIP. The BOS should review this

document in advance of the road tour on 9/19.

**9/19/20 Annual Road Tour:** BOS conducts a road tour to review the items on the list

**9/21/20 Department Budgets Due:** Directors submit their rough draft department budgets to the Township Manager.

**9/22-23/20 Department Budgets Review:** Directors meet with the Township Manager & Finance Officer to review and explain their department budgets.

**10/1 Budget Workshop #1:** The Township Manager will provide a high-level overview to the BOS of recommended needs for the next year along with estimates.

**10/21 BOS Budget Distribution (Rough):** BOS receives a rough draft of the budget. The BOS should review this document in advance of the 10/26 work session

**10/26 Budget Workshop #2:** BOS discuss budget and CIP for the next year with a goal of providing solid direction to the Township Manager

**10/28 BOS Budget Distribution:** Township Manager provides hard copy binders of the budget to the BOS, which includes the Budget Message, Preliminary Budget (with updated numbers) and Schedules (additional detail).

**11/5/20 Budget-Preliminary Approval:** Township Manager presents the preliminary budget to the BOS. BOS authorizes budget advertisement

**11/23/20 Budget Workshop #3 (if needed ):** This additional meeting is scheduled if needed to discuss any adjustments needed for the budget

**12/3 Budget-Adopted:** BOS considers adoption of the budget. Performance evaluations will be completed by the middle of November, updated individual wages will be provided.

## POLICE DEPARTMENT

**EMERGENCY 911 • NON-EMERGENCY NUMBER 610-323-1008 (PRESS #2)**



The New Hanover Township Police Department (NHPD) is comprised of 11 full time officers. We are a 24-hour, 365 day per year full-service police agency tasked with preventing and detecting crime, protecting persons and property, maintaining order in public places, and anticipating and responding to events that threaten public order and the preservation of life and property. Since the last newsletter, we have moved one of our part-time officers, Officer Eric Johnson, to a full-time officer status, bringing our total number of full-time officers to eleven. As our population continues to grow, this will help us to provide ample coverage to the approximately 22 square miles and countless homes and businesses that comprise New Hanover Township 24 hours per day, 365 days per year. We can be reached at our non-emergency number at 610-323-1008 Opt #2 but we ask that you simply call 9-1-1 for anything that requires a prompt police response.

As the weather gets cooler and the area reopens from the COVID-19 shutdown, we would like to remind everyone that all parks in New Hanover Township are open from dawn to dusk. Please maintain social distancing while utilizing the parks for the safety of everyone.

In addition, we would like to remind everyone that while many types of fireworks have now become legal in Pennsylvania, there are limitations. Please see the Commonwealth of Pennsylvania's website for further information (<https://www.psp.pa.gov/public-safety/Pages/fireworks-safety.aspx>). In addition, we do have a noise ordinance in effect which may govern the use of otherwise legal fireworks (<https://www.ecode360.com/31469573>). While we want you to have fun, please be safe and considerate of your neighbors.

Lastly, we would like to thank all of you for the outpouring of support we have received from you over the last several months. It means a lot to us to see that we are appreciated, and we love hearing from you. Please feel free to say hi if you see us out and about. Thank you!

### **Child Safety Seat Checks**

Corporal Dyas is a nationally certified Child Passenger Safety Technician which enables him to teach and assist parents with installing child safety seats. Appointments for child safety seat checks can be directed to his email at [ddyas@newhanoverpolice.org](mailto:ddyas@newhanoverpolice.org) or by contacting the police department at 610-323-1008 Opt #2.

### **Custody/Purchase Exchange Area**

Custody/Purchase Exchange Area is available in the parking lot at our station. This area is maintained under constant video surveillance and can be used by the public for child custody exchanges and/or internet purchases.

### **Medication Drop Off Box**

The public can dispose of expired, unused, or unwanted prescriptions in the lobby of the station. We are able to prevent these medications from getting into the wrong hands or being discarded into our public waterways or landfill systems. The drop off box is located just inside the first door on the left side of the building under the blue police sign.

## TOWNSHIP ORDINANCE 11-02

Township Ordinance 11-02 requires that snow and ice must be removed from a public sidewalk within 24 hours after the snowfall has ceased. Section 602.(4). states that in any case where the owner, occupant or tenant, as aforesaid, shall fail, neglect or refuse to comply with any of the provisions of the Ordinance within the time limit prescribed therein, the Township authorities may proceed immediately to hire an outside contractor, to clear all snow and/or ice from the sidewalk of such delinquents, and to collect the expenses thereof, with any additional amount allowed by law, from such owner, occupant or tenant, as the case may be, which may be in addition to any fine or penalty imposed under the Ordinance.

## CODE ENFORCEMENT/ZONING

The Code Enforcement/Zoning Office has two full time staff, the Director and Zoning Clerk. The main purpose of Code Enforcement/Zoning is to protect public health, safety and general welfare as they relate to the construction and occupancy of buildings and structures. Failure to obtain the required building permits and inspections could result in serious ramifications and costly penalties. Violations are typically discovered during fire and emergency investigations or when a property is offered for sale and County tax records and Township files cannot validate the improvements.

### The following residential projects require building permits:

- Additions
- Creating habitable space in a basement, attic or attached garage
- Decks
- Accessory structures 200 square feet or greater
- Pools and hot tubs capable of holding water 24" deep or greater require a permit and must be inspected for protective barrier requirements prohibiting unauthorized access by small children
- Electrical/plumbing/mechanical additions such as piping, wiring, lighting, heating, cooling, generators and solar panels
- Installation of sump pumps, not applicable to existing sump pumps without change of discharge location

### Zoning Permit only:

- Accessory structures less than 200 square feet and without a utility connection
- Fences, 6' or less in height
- Patios

### No Permit Required:

- Repair or replacement of any nonstructural member
- Exterior siding and reroofing
- Replacement of windows and doors with no change in opening size
- Gutters and downspouts, without change of discharge location
- Painting, papering, tiling, carpentry, countertops and similar finish work, not including structural repairs
- Appliance replacement
- Replacement of hot water heater or furnace with the same size and type
- Repair or replacement of any sink, toilet, tub, shower or similar plumbing fixture without relocation of any drain or vanity device
- Replacement of an electrical switch or receptacle with one of the same rating
- Retaining walls less than 4' high
- Residential swings and play equipment
- Oil tank removal (tanks, 1,000 gallons and over, must be inspected by the DEP)

*The above guide is not all-inclusive. All building permit forms can be found on the Township's website and can be submitted via email, via fax, or in person at the township office. If you have any questions about permit requirements, please contact the Zoning Office at 610-323-1008, Extension 102.*

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# PUBLIC WORKS DEPARTMENT

## Leaf Maintenance

Save yourself a lot of work and do not rake fall leaves, leave them on the ground and shred them by running your lawn mower over them to assure they do not smother the lawn. In addition to supplying additional nutrients to the soil (similar to fertilizer), a layer of leaves can inhibit weed growth. If you prefer removing the leaves from your property, remember that they cannot be disposed of with your trash collection. Leaves are recyclable and should be composted, either on your property or by taking them to Hetrick Gardens, 2620 Swamp Pike, Gilbertsville, PA.

## Stormwater

Throughout the year, the Public Works Department strives to keep storm drains free of leaves and debris. All storm drains are checked before impending weather and also checked routinely with decals being replaced as needed. Outfalls are inspected each year as required by DEP.

Do your part! You can help by doing the following: never dump anything into the storm drains or streams, make sure to pick up after your pets, direct your downspouts away from paved surfaces and have your septic system pumped and inspected routinely. Also, never mow grass into the street as it will clog the drains and fill the swales.

## Winter is on its Way

New Hanover Township starts to prepare for snow during the month of July and contracts for deicing salt for the 2020 and 2021 season. Our trucks and equipment are changed over for the winter season by the beginning of November. The Public Works Department is on call 24/7 for winter storms and has the responsibility of clearing 75 to 80 miles of roadway of snow and ice and has 9 salt and plow routes. Our department consists of 7 full time and 1 part time employee. Our goal is to provide the residents with the highest possible service in a quick, efficient and safe manner. At the beginning of the snow event, **be assured the township crews are out, but all roads cannot be treated at one time.** The Township prioritizes roadway salting and plowing during snow and ice events by starting with our primary roads, then our secondary roadways, and lastly to our internal neighborhood roadways (including cul-de-sacs). During snowfalls when plows are in use, generally beginning when accumulations reaches 2 inches or more, the initial passes of the snowplow are to open the roadway for traffic flow and emergency vehicles.



In curbed areas expect to have the snow pushed back to the curb on a latter pass. Cul-de-sacs are difficult to clear to everyone's satisfaction. Snowplows **do not** have the ability to lift and carry snow from one area to another, the plow can only push the snow. The driver pushes the snow to an area most suitable to expedite the plowing and to open the road. There is no practical way to plow the road without depositing snow into the end of your driveway and on your sidewalks. Do not shovel snow into the road or have your driveway plowed into the road, this creates a safety hazard. If possible, wait until the road has been plowed before cleaning of driveway and sidewalk. Depositing snow onto your lawn helps replenish the ground water and, in our township, water comes from wells not from reservoir's or rivers. During a snow event of 2 inches or more please remove your parked vehicles from the roads and keep trash and recycle container behind the face of the curb and off roadways. Maintain and repair mailbox posts to assure stability. Mailboxes should not extend past the face of the curb and preferably should be 1 foot off the edge of the roadway. Please have safe winter and joyful holiday season.

- **State Roads consist of N. Charlotte St., Rt.73 or Big Rd., Rt. 663 or Layfield Rd.**
- **Montgomery County Roads consist of the Following:**
- **Swamp Pike**
- **Deep Creek Rd.** - from Kulp Rd. to the Township line at Fisher Rd.
- **Kulp Rd.** - From Deep Creek Rd. to Hill Rd.
- **Henning Rd.** - From Deep Creek Rd. to Snyder Rd.
- **Snyder Rd.**



# PARKS AND RECREATION DEPARTMENT

Parks and Recreation Department ensures that residents can take part in leisure, entertainment and recreational activities. The Public Works Department oversees park maintenance. The Recreation Committee with the assistance of the Township staff, is responsible for planning and implementing events and programs.



## PARKS AND FIELDS

### Community Parks:

- **Briar Ridge Park:** Magnolia Drive, Gilbertsville - *Amenities:* Small Playground
- **Hickory Park:** 2140 Big Road, Gilbertsville - *Amenities:* Swimming Pool, Concession Stand, Pavilion Rentals, Grills, Playground, Fishing & Gaga Pit
- **Swamp Creek Park:** 3179 Reifsnnyder Road, Gilbertsville - *Amenities:* Model Airplane Flying, Walking Trail (.8 miles), Historical School House, Small Playground & Dog Friendly
- **NHT Community Park:** 2766 Gail Drive, Gilbertsville - *Amenities:* Barn Rental, Baseball/Softball Field, Basketball Court, Frisbee Golf, Hockey Court, Walking Trail, Pavilion Rental, Picnic Tables, Grills & Playground
- **Pleasant Run Park:** 600 Schultz Road, Perkiomenville - *Amenities:* Fishing Pond & Park Benches
- **Deep Creek Park:** Deep Creek Road (North of Pleasant Run Park), Perkiomenville - *Amenities:* Trails, Bird Watching & Picnic Tables
- **Windlestrae Park:** 132 Chalet Road, Gilbertsville - *Amenities:* Small Playground

### Athletic Fields:

- **Gambone Complex:** 132 Chalet Road, Gilbertsville - *Amenities:* Two Football Fields
- **Middle Creek:** Dotterer Road, Gilbertsville - *Amenities:* Baseball Field & Two Soccer Fields
- **Layfield Park:** Dotterer Road, Gilbertsville - *Amenities:* Three Soccer Fields
- **Recreation Center Fields:** 2373 Hoffmansville Road, Frederick - *Amenities:* Three Lacrosse Fields

## PARK RENTALS

Pavilion Rentals at Hickory Park are available through the first weekend in October. All rentals are available to both residents and non-residents. Rental forms will only be accepted for the current calendar year. Attendees are encouraged to practice recommendation of the CDC.

Hickory Park	Resident	Non-Resident
Pavilion 1 (Capacity 40)	\$85.00	\$135.00
Pavilion 2 (Capacity 40)	\$85.00	\$135.00
Pavilion 3 (Capacity 75)	\$135.00	\$185.00
Pavilion 4 (Capacity 40)	\$85.00	\$135.00

*All pavilions at Hickory Park have a grill area, electricity and access to running water and bathrooms. You must notify the Parks and Recreation Department before your rental if you would like access to water.*

### Community Park

Pavilion (Capacity 40)	\$85.00	\$135.00
Indoor Facility (Capacity 125)	\$160.00	\$210.00

*The Indoor Facility at Community Park has access to a bathroom and electricity.*

## HICKORY PARK POOL

The pool was not opened during the 2020 Summer season due to the Covid-19 pandemic. The Township looks forward to offering the pool for the 2021 season.



## SUMMER CAMP

The Hickory Park Summer Camp Program was run by the YMCA for New Hanover and Upper Frederick Township residents. The YMCA was fortunate to be able to provide for safety of their staff and the children to enjoy this outdoor activity this summer. The half day program was offered for children who graduated from kindergarten to sixth grade.



## NEW HANOVER TOWNSHIP RECREATION CENTER

2373 Hoffmansville Road, Frederick PA 19435

The Recreation Center has a gym, kitchen, conference room and classrooms available for rent year-round.

### Recreation Center Hourly Rates:

Rooms	Resident	Non-Resident
Gym	\$30.00	\$45.00
Gym with Kitchen/Furniture	\$50.00	\$75.00
Classroom	\$10.00	\$20.00
Classroom with Furniture	\$15.00	\$25.00

*The gym must be rented for a minimum of two hours*



## MONTGOMERY COUNTY BOOKMOBILE

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The bookmobile is a free full-service mobile library branch for Montgomery County residents. This service is sponsored by the Montgomery County Commissioners and local municipalities.

The bookmobile has stock materials for all aged groups. Materials include regular and large-print books, audiobooks, magazines, music CDs, magazines and DVDs. Requests for books and materials can be made online and reserved for pickup at a bookmobile. The bookmobile is available at the New Hanover Township Building each Wednesday from 10:30am to 4:30pm.



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# NEW HANOVER TOWNSHIP AUTHORITY

2990 FAGLEYSVILLE ROAD, GILBERTSVILLE, PA 19525

The New Hanover Township Authority wishes to remind you that wipes, even the ones that say “flushable”, and paper towels do not break down like toilet paper does in water. Therefore, wipes and paper towels should not be flushed and should instead be thrown away with the trash.

The flushing of wipes and paper towels has caused raw wastewater backups in people’s homes which is an expensive repair for the homeowner. Another problem with flushing wipes and paper towels is that it can cause raw wastewater backups within the sewer main collection system, which will lead to expensive repairs for the Authority and can overflow into the environment which can lead to health concerns.

Other items that should not be introduced into sinks, toilets and other basins that are connected to the sanitary sewer system, include cloth rags or towels, medications, feminine hygiene products of any kind, beauty products, Q-tips, dental floss, plastics and grease of any kind, garden supplies such as pesticides, fertilizers, paint, varnish, paint remover, motor oil, gasoline and sump pump or storm water discharge. Instead, all the items mentioned above should be thrown out with the trash or disposed of properly.

Help protect your ability to flush your toilet and do not flush if it isn’t toilet paper or human waste. All other miscellaneous items should be properly disposed of in the trash, New Hanover Township Authority thanks you for your help in advance as we collectively work together in these extraordinary times. Our goal is to ensure everyone has safe and adequate wastewater service.

## Sewer Utility Billing Information

This is a friendly reminder that sewer customers can pay their quarterly sewer bill in the following ways:

- In Person at the New Hanover Township Building located at 2943 North Charlotte Street from 8:30am – 4:30pm, Monday – Friday
- In the Drop Box located at New Hanover Township Authority Building at 2990 Fagleysville Road until August 10<sup>th</sup>. After August 10<sup>th</sup>, the Drop Box will be located at the New Hanover Township building at 2943 North Charlotte Street
- Online using Xpress Bill Pay at [www.xpressbillpay.com](http://www.xpressbillpay.com). Please be sure to have your sewer account number available when paying your quarterly sewer bill online
- By Phone using Xpress Bill Pay at 1-800-766-2350.

There will be no service fee charged when paying your sewer bill online or by phone.

If you have an issue paying your sewer bill online, Xpress Bill Pay provides Technical Support:

- By Phone at 1-800-766-2350 Option #1

**Monday – Friday from 10am-7pm Eastern Time**

**Saturday from 11am-6pm Eastern Time**

- By Email any time at [support@xpressbillpay.com](mailto:support@xpressbillpay.com)

Please be aware that the Technical Support phone calls are answered in the order that they are received. If a representative is not immediately available, you could be placed on hold for up to 3 minutes. After a 3-minute hold, if a representative is not available, you will be asked to leave a voicemail. Please leave a voicemail so that a representative can return your call.

Sewer customers can sign up for paperless billing by creating an account on [www.xpressbillpay.com](http://www.xpressbillpay.com) and choosing the paperless option.

## 2020 CENSUS

The U.S. Census Bureau is mandated to collect a count of every person in the United States, District of Columbia, and 5 U.S. territories. The results of the 2020 Census will be used to make decisions on:

- The number of seats for each state in the House of Representatives & congressional representation
- Aids in helping decision makers determine communities needing new schools, clinics, roads, services for families, older adults and children.
- Allocations for federal funding

- Drawing of congressional and state legislative districts

It is important to respond to the short confidential questionnaire so that our community can be accurately funded and represented. Responses are used to produce statistics and are not shared.

For more information on the 2020 Census visit [www.2020census.gov](http://www.2020census.gov)



# NEW HANOVER VOLUNTEER FIRE AND RESCUE

2154 SWAMP PIKE, GILBERTSVILLE, PA 19525 (MAILING ADDRESS)  
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**EMERGENCY CALLS – 911 • NON-EMERGENCY 610 323-2424**  
 WWW.NEWHANOVERFIRERESCUE.ORG

Fire Chief – William Moyer  
 Deputy Chief – Philip Agliano  
 President – Matt Barnes  
 Township Fire Marshall – William Moyer



New Hanover Volunteer Fire and Rescue is comprised of volunteers working to serve the residents and businesses of New Hanover Township, Pennsylvania. We welcome all who are interested in volunteering their time and talents to this progressive department.

Our ranks of membership include those interested in serving as firefighters or fire police officers and those who may wish to give something back to their community by volunteering their administrative and support expertise to the fire department. No experience is required and there are no minimum time commitments to maintain your membership in the NHVFR.

In the event you have questions about submitting an application for membership to the New Hanover Volunteer Fire and Rescue or learning more about how you can volunteer your time to our community, you can email New Hanover Volunteer Fire and Rescue at [info@newhanoverfirerescue.org](mailto:info@newhanoverfirerescue.org).

We look forward to hearing from you.

### Fire Safety Tips: Prevent Kitchen Fires

Did you know that more fires start in the kitchen than in any other part of the home? Here are some tips on how to keep cooking safe and fun for you and your family.

- Don't use the stove or oven if you are exhausted or intoxicated.
- Stay in the kitchen if you are grilling, frying or broiling food.
- Check on your food often when you simmer, bake, roast, or boil food.
- Keep oven mitts, towels, curtains, food packaging, wooden utensils, and other flammable objects away from the stove.
- Keep your children three feet or more away from the oven and stove.



If you have a grease fire, smother the fire by putting a lid over the pan and turning off the stove. Keep the pan covered until it cools down.

If you have an oven fire, turn off the heat and keep the door closed.

Remember the simple acronym P.A.S.S. to help you use the fire extinguisher effectively. P.A.S.S. stands for: Pull, Aim, Squeeze, Sweep.

If you cannot safely handle the fire, just leave your home! Call 9-1-1 or your local fire department.

Source: [www.nfpa.org](http://www.nfpa.org)

## VOLUNTEERS NEEDED



**Volunteer Fire Police Officers and Firefighters are needed to help protect the community! Interested? Fill out an application!**



Fire Police	Firefighter
<ul style="list-style-type: none"> <li>• Must be at least 18 years old</li> <li>• Operational vehicle and valid drivers license required</li> <li>• Assist police and fire personnel at emergency scenes!</li> </ul>	<ul style="list-style-type: none"> <li>• Can start as young as 14 years old!                             <ul style="list-style-type: none"> <li>• Ages 14-15: Explorer</li> <li>• Ages 16-17: Junior</li> </ul> </li> <li>• Fun &amp; Interesting trainings and classes!</li> </ul>

## ABOUT STORMWATER

Storm water is water that runs off the land after either snowmelt or rain. This water can either drain into the soil (called infiltration), evaporate back into the atmosphere and be used by plants or could flow into streams or water bodies and is referred to as stormwater runoff. Stormwater runoff happens in natural undeveloped area but for most wooded or natural areas in Pennsylvania, it takes about an inch or more to produce runoff. When development occurs, natural areas are replaced with hard surfaces called impervious surfaces and do not allow water to drain through them and run off rather than infiltrating into the soil. The negative impact of runoff can cause flooding, erosion of streams, sediment buildup in lakes, and pollution of streams and lakes. Fast moving water picks up pollutants like sediment, fertilizers, pesticides, bacteria (pet waste) and other contaminants which are carried to streams and lakes and cause erosion and instability in streams causing them to become wider, deeper, straighter and decreasing habitat for fish and other animals that live in streams. Stormwater can also be warmer than natural stream sources and holds less oxygen which is harmful to fish. It's easy to notice flooding impacts of large rainstorms but over time, smaller storms can have an impact also.

BMP stands for Best Management Practice and includes things like detention basins and non-engineered methods of protecting open space and managing stormwater. SCM are Stormwater Control Measures which are engineered facilities designed and constructed to manage stormwater. The goals are to reduce the impact of development on streams and lakes by minimizing the amount of and slowing down runoff, infiltrating the runoff, evapotranspiring runoff and filtering runoff. Vegetation puts water back into the atmosphere and helps it infiltrate in the ground rather than allowing it to become runoff. Our community is being developed keeping stormwater management in mind with BMP's spread throughout developments. Homeowners must do their part to protect the health of the streams. Some BMPs/SCMs are buried and may not be visible above the ground. Some just look like plants and gravel and are performing an important function and should not be disturbed. Using native vegetation is the best choice for BMPs since they naturally adapt to the soils and climate requiring less maintenance. During development, erosion and sediment controls are used to prevent soil from running off the site and polluting downstream waters and must be maintained over time after the development has been completed. The developer will have produced a plan that includes drawings and will include a long-term operation and maintenance schedule and inspections to ensure proper function and operation.

If your home was constructed after 2010, and if your property contains post construction stormwater management, there will be recorded details about them on your property deed. Maintenance of the BMP is a legal requirement and runs with the property. If you are not doing the necessary maintenance, you may be billed by the municipality for the cost of having someone else do the work or could face a summary offense and daily fine until the maintenance is completed.

Roof Gutter Downspout Connection – when a gutter downspout is allowed to drain into the yard, the stormwater can be filtered by the grass and infiltrated into the soil. A splash guard or small pile of rocks may be needed, or the water could be directed to a rain garden which is a shallow depression, planted with specially selected vegetation that will filter runoff and increase infiltration. Rain barrels, cisterns, infiltration trenches, a vegetated swale and dry wells can also be connected to the downspout and providing storm water for other uses.

### **Amended Soils**

Management of soils relies on soil that can infiltrate runoff. Little spaces between soil particles allow water to both be stored in the soil and move through the soil as infiltration. Soils that have been compacted by construction activities have reduced pores or void spaces which prevents water from infiltrating. Soils with poor organic content can be restored by adding organic material like compost, sand or manufactured soil media to increase pore spaces and ability to hold water. Loosening the soil or tilling can reduce compaction and increase the soils ability to infiltrate. Amended soils need to be protected and preserved, compaction should be avoided whenever possible.

Stay tuned for more about Stormwater Management in upcoming issues of our newsletter. Feel free to contact the Township office should you have any questions.





# HOUSEHOLD HAZARDOUS WASTE

2020 MONTGOMERY COUNTY PA RESIDENTIAL EVENTS 9:00 a.m. – 3:00 p.m.

## DATES:

**Saturday, September 26**  
**Spring-Ford 9th Grade Center**  
 400 South Lewis Rd. • Royersford

*Preregistration required for drop-off*

**SUNDAY, October 25**  
**Lower Merion Transfer Station**  
 1300 N. Woodbine Ave.  
 Penn Valley

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

## 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	BBQ-Sized Propane Tanks (leave at local exchange sites)	Radioactive Waste	Freon/Refrigerants
Tires	Helium Tanks	Unidentified Waste	25- or 50-Gallon Drums
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.

- **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. **A five-gallon bucket is the largest acceptable container.**
- 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.

# HISTORICAL SOCIETY HAPPENINGS

Among its treasures, the Historical Society counts two mid-nineteenth century buildings which we have restored to period appearance and function: the 1853 One-Room Schoolhouse, and the circa 1845 Summer Kitchen. Both are located within the Township's Swamp Creek Park, alongside the beautifully maintained 3/4-mile walking/biking trail. Contrary to common perception, the two structures were unrelated during their period of common usage. The schoolmaster always lived elsewhere and traveled (commuted) to the school daily while the summer kitchen was an outbuilding of the Dengler family farm located adjacent to the home that, as best as we can determine, burned down in the early 1900's. The barn remained on the site in a deteriorating condition and was finally razed by the Township a dozen or so years ago when it was determined that restoration would have been too costly for the fledgling Historical Society to tackle.



At the Summer Kitchen the Historical Society also maintains a mid-nineteenth century Pennsylvania Dutch demonstration kitchen garden. Much reduced in scale, the kitchen garden is only 24 feet by 24 feet, far too small to feed a hungry farming family in the 1800's. But, like its forbearers, it contains four central raised beds for annual vegetable plants and interior perimeter beds containing perennial herbs and medicinal plants, and a few flowering plants, "just for so." We also utilize a portion of the exterior perimeter for beans and other vining plants that use the fence palings for support.



While preserving the historic nature and artifacts of New Hanover Township the principal function of the Historical Society is educational. Throughout the spring and fall seasons we welcome school groups for a day spent attending the one-room school through typical lessons and activities, playing period appropriate outdoor games, and visiting the garden and the summer kitchen where the students get to assist with preparation of an open hearth-cooked meal and baking in the squirrel-tailed, bee-hive oven. In the fall the children get to make cider from local fruits in a hand operated cider press. Turning the cider press and hand pumping water from the hand-dug original well for the garden are much enjoyed by the youngsters and help to use up some of their excess energy.

As both buildings have been in use for some 170 years, they have seen several major health related epidemics in their lifetimes. Accordingly, while we were unable to continue group activities during the COVID-19 pandemic we felt it was important to keep the basic functions going as they would have been on a nineteenth century farmstead. We have continued to maintain the garden and prepare meals for our volunteers on our Friday workdays. We continue to welcome visitors to Swamp Creek Park to enter and explore the garden and the summer kitchen. However, due to the confined space of the kitchen we require the use of face masks as social distancing is not always possible. Many of the folks who regularly utilize the park are familiar with our activities and make it a point to check on the garden's progress and find out what's being prepared for the mid-day meal. For those folks who haven't visited Swamp Creek Park on Reifsnyder Road and might not be aware of the Historical Society's various events and educational programs, we would like to extend an invitation to visit us on Friday mornings at the Summer Kitchen. Arrangements can be made to visit the Schoolhouse and the Summer Kitchen at other times by calling 610-326-4165 (Bob Wood for Schoolhouse) or 215-234-4119 (Bill/Jacquelyn Daley for garden and Summer Kitchen). Once we can resume our periodic educational/entertainment meetings at the Schoolhouse or Township Building (winter meetings) those will be announced on the Historical Society's link on the Township website and through direct mail and announcements in local newspapers. Meanwhile, come by to say "hello" when we are working on site.



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# NEW HANOVER TOWNSHIP



ESTABLISHED 1741

Dear Residents,

Welcome to the spring/summer edition of our community newsletter!

This edition is packed with information on each department within the Township and projects and happenings throughout the spring and summer.

In addition to the projects and events, we always encourage our residents to get involved and attend our meetings. We are in the final stages of completing our 2040 Comprehensive Plan which will guide the Township toward its vision for the next 20 years. Improvements planned in the near future include building renovations, collaborating with PennDOT to begin work on replacing a culvert on Route 663 near the intersection of Swamp Pike and replacement of the bridge on New Hanover Square Road and improving flooding conditions plaguing residents in certain areas of the Township.

The production of this newsletter was funded by local businesses through advertisements. Please consider shopping locally to support those who have helped us spread the news about what’s happening in our community.

We look forward to the summer swim season and opening our pool facility at Hickory Park, 2140 Big Road. Season memberships as well as daily passes will be offered. Pool will be opening May 29 and closing for the season August 22, 2021. Pool hours are 12 noon to 7PM.

Enjoy your spring and summer months and feel free to contact the Township office should you need assistance or have questions.

Sincerely,  
Kurt Zebrowski, Chairman

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Name: Julia Holdsworth Grade: 7

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# NEW HANOVER TOWNSHIP

New Hanover Township, Montgomery County  
2943 North Charlotte Street, Gilbertsville, Pennsylvania 19525  
Phone 610-323-1008 • Fax 610-323-5173 • Website: [www.newhanover-pa.org](http://www.newhanover-pa.org)

## OFFICE HOURS

Monday through Friday - 8:30 a.m. to 4:30 p.m.

## ADMINISTRATIVE OFFICES CLOSED

Good Friday – Friday, April 2  
Memorial Day – Monday, May 31  
Independence Day – Monday, July 5  
Labor Day – Monday, September 6  
Veterans Day – Thursday, November 11  
Thanksgiving Day – Thursday, November 25  
Day After Thanksgiving – Friday, November 26  
Christmas Eve – Friday December 24  
Christmas Day – Monday, December 27  
New Year's Eve – ½ day, Friday, December 31

## BOARD OF SUPERVISORS

Kurt Zebrowski, Chairman  
Charles D. Garner Jr., Vice Chairman  
D. W. Boone Flint, Member  
Marie Livelsberger, Treasurer  
W. Ross Snook, Member

## MEETING SCHEDULE

Board of Supervisors	First Thursday and Fourth Monday (as needed) of each month at 6:30PM
Planning Commission	Second Wednesday of each month at 6:30PM
Sewer Authority	Third Wednesday of each month at 6:30PM
Recreation Committee	First Wednesday of the month at 6:30PM
Environmental Advisory Board	Second Monday of the month at 6:30PM

All meetings are held at the Municipal Building, 2943 N. Charlotte Street, Gilbertsville, PA.

## STAFF DIRECTORY

Township Manager	Jamie Gwynn	610-323-1008 x 106	<a href="mailto:jgwynn@newhanover-pa.org">jgwynn@newhanover-pa.org</a>
Administrative Assistant	Eileen Pogany	610-323-1008 x 101	<a href="mailto:epogany@newhanover-pa.org">epogany@newhanover-pa.org</a>
Administrative Assistant	Shelly Sallade	610-323-1008 x 104	<a href="mailto:ssallade@newhanover-pa.org">ssallade@newhanover-pa.org</a>
Chief of Police	Kevin McKeon	610-323-1008 x 208	<a href="mailto:kmckeon@newhanoverpolice.org">kmckeon@newhanoverpolice.org</a>
Public Works Director	Jay Kowal	610-323-1008 x 301	<a href="mailto:jkowal@newhanover-pa.org">jkowal@newhanover-pa.org</a>
Authority Superintendent	Brian Staehle	610-323-1008 x 407	<a href="mailto:bstaehle@newhanover-pa.org">bstaehle@newhanover-pa.org</a>
Finance Director	Michele Smith	610-323-1008 x 105	<a href="mailto:msmith@newhanover-pa.org">msmith@newhanover-pa.org</a>
Code Enforcement/Zoning Director	James Wozniak	610-323-1008 x 103	<a href="mailto:jwozniak@newhanover-pa.org">jwozniak@newhanover-pa.org</a>

Molly Bauer is the elected Tax Collector for New Hanover Township. She is responsible for collecting real estate and per capita taxes for Montgomery County, the Boyertown Area School District, and New Hanover Township.

In person tax collection hours for the tax year 2021 are held at the township building, visitors are asked to wear masks and comply with the CDC guidelines for social distancing.

**Tax Collection hours for 2021 are as follows:**

Saturday, 8-11 AM – 3/6, 3/13, 3/20, 3/27, 4/17, 4/24, and 6/26.

Wednesday, 6-9 PM – 4/6, 4/20, 4/22, 4/27, 4/29, and 12/29.

Please see bill for details regarding due dates and payment options. You can expect County/Township Real Estate bills in the mail during the first week of March and School Real Estate and Per Capita bills during the first week of July.

Please remit your tax payments to Molly Bauer following instructions on your tax bill and mailing payments to P. O. Box 249, Gilbertsville, PA 19525.



# FINANCE DEPARTMENT

The Finance Department is responsible for the recording of all revenues and for the disbursement of all funds in compliance with the annual budget. The department provides accurate financial statements to the Board of Supervisors at monthly meetings along with a detailed Bill's List. The Finance Department is responsible for the billing and collection of rebillable land development expenses and is also responsible for maintaining developer escrow accounts for all land development in the township. In addition, the Finance Director assists the Township Manager with the annual budget, maintains the fixed asset records, processes payroll, administers Township pension plans and files reports through the year. Dallas Data Systems supports the Finance Department on a monthly basis by reconciling the township bank accounts.

The Township adheres to the modified accrual basis of accounting and maintains all financial records in conformance with generally accepted accounting principles. Financial records are independently audited annually by Maillie, Certified Public Accountants, who issues audited financial statements that are available for public review via the township website.

# NEW HANOVER TOWNSHIP AUTHORITY

2990 FAGLEYSVILLE ROAD, GILBERTSVILLE, PA 19525

The New Hanover Township Authority wishes to remind you that the following items should not be flushed, but should instead be thrown away with the trash or disposed of properly.

- "flushable" wipes
- medications
- paint remover
- gasoline
- paper towels
- cloth rags or towels
- grease of any kind
- paint
- varnish
- motor oil
- sump pump discharge
- storm water discharge
- feminine hygiene products of any kind
- garden supplies such as pesticides and fertilizers

To help protect your ability to flush your toilet, do not flush if it isn't toilet paper or human waste. All other miscellaneous items should be properly disposed of in the trash. Our goal is to ensure everyone has safe and adequate wastewater service.

### Sewer Utility Billing Information

Sewer customers can pay their quarterly sewer bill in the following ways:

- In person at the New Hanover Township Building located at 2943 North Charlotte Street from 8:30am-4:30pm, Monday-Friday
- Online by using Xpress Bill Pay at [www.xpressbillpay.com](http://www.xpressbillpay.com). Please be sure to have your sewer account number available when paying your quarterly sewer bill online.
- By Phone using Xpress Bill Pay at 1-800-766-2350.

There will be no service fee charged when paying your sewer bill online or by phone.

Sewer customers can sign up for paperless billing by creating an account on [www.xpressbillpay.com](http://www.xpressbillpay.com) and choosing the paperless option.

# POLICE DEPARTMENT



**EMERGENCY 911 • NON-EMERGENCY NUMBER 610-323-1008 (PRESS #2)**

Since our last newsletter Sergeant William Moyer retired from the police department after almost 37 years of service as a police officer with the department. He will, however, continue to serve as the fire chief for the township's volunteer fire department. We wish him the best of luck in his retirement!

We have also hired Officer Thomas Rosa as a part-time police officer, keeping our current total of 11 officers, though one is now part time (10 full time and 1 part time). As a reminder, the police department provides 24/7 police services to the approximately 22 square miles and countless homes and businesses that comprise New Hanover Township every single day. We can be reached at our non-emergency number at 610-327-1150 for minor issues but we ask that you simply call 9-1-1 for anything that requires a prompt police response.

As we continue to deal with the effects of the COVID-19 shutdown, we would like to remind everyone that all parks in New Hanover Township are only open from dawn to dusk. Please maintain social distancing while utilizing the parks for the safety of everyone.



Lastly, we have recently begun a (Virtual) Coffee with a Cop program with Corporal Dyas via the Zoom platform. This is an opportunity for us to connect with our residents virtually since COVID-19 restrictions make it more difficult to meet in person. It is also an opportunity for you to talk to us about various topics, be it traffic or safety concerns, questions about law enforcement in general, or essentially anything you want. These events are open to everyone, including children.

We are currently experimenting with the best day of the week and time to hold these events but we will be posting the dates and times on our Facebook page at <https://www.facebook.com/NewHanoverPD>. For anyone who is interested but does not have a Facebook account you can contact Corporal Dyas directly at [ddyas@newhanoverpolice.org](mailto:ddyas@newhanoverpolice.org) or 610-327-1150 for details.

We would like to thank all of you for the outpouring of support we receive. It means a lot to us to see that we are appreciated, and we love hearing from you. Please feel free to say hi if you see us out and about. Thank you and stay safe!

## Child Safety Seat Checks

Corporal Dyas is a nationally certified Child Passenger Safety Technician which enables him to teach and assist parents with installing child safety seats. Appointments for child safety seat checks can be directed to his email at [ddyas@newhanoverpolice.org](mailto:ddyas@newhanoverpolice.org) or by contacting the police department at 610-327-1150.

## Custody/Purchase Exchange Area

Custody/Purchase Exchange Area is available in the parking lot at our station. This area is maintained under constant video surveillance and can be used by the public for child custody exchanges and/or internet purchases.

## Medication Drop-off Box

The public is invited to dispose of expired, unused, unwanted prescription medications and also over the counter medications in the lobby of the station. Disposing of them in this way prevents medication from getting into the wrong hands or being discarded and eventually finding their way into our public waterways or landfill systems. The drop off box is located just inside the first door on the left side of the building under the blue police sign.



# 2020 CENSUS

The U.S. Census Bureau is mandated to collect a count of every person in the United States, District of Columbia, and 5 U.S. territories. The results of the 2020 Census will be used to make decisions on:

- The number of seats for each state in the House of Representatives & congressional representation
- Aids in helping decision makers determine communities needing new schools, clinics, roads, services for families, older adults and children.

- Allocations for federal funding
- Drawing of congressional and state legislative districts



According to the U.S. Census Bureau, 99.98% of all housing units and addresses nationwide were accounted for in the 2020 census. The Census Bureau attributes the excellent response to the use of technology, the efforts of their staff, the census takers and field staff. The Bureau was hoping to have processed the data and have accurate state population counts by December 31, 2020.

## CODE ENFORCEMENT/ZONING

The Code Enforcement/Zoning Office has two full time staff, the Director and Administrative Assistant. The main purpose of Code Enforcement/Zoning is to protect public health, safety and general welfare as they relate to the construction and occupancy of buildings and structures. Failure to obtain the required building permits and inspections could result in serious ramifications and costly penalties. Violations are often discovered during fire and emergency investigations or when a property is offered for sale and County tax records and Township files cannot validate the improvements. Additional permits will not be processed for a property with outstanding prior permitting violations. The following residential projects require building permits:

- Additions
- Creating habitable space in a basement, attic or attached garage
- Decks
- Accessory structures 200 square feet or greater
- Pools and hot tubs capable of holding water 24" deep or greater require a permit and must be inspected for protective barrier requirements prohibiting unauthorized access by small children
- Electrical/plumbing/mechanical additions such as piping, wiring, lighting, heating, cooling, generators and solar panels
- Installation of sump pumps, not applicable to existing sump pumps without change of discharge location

### Zoning Permit only:

- Accessory structures less than 200 square feet and without a utility connection
- Fences, 6' or less in height
- Patio
- Home Occupation

### No Permit Required:

- Repair or replacement of any nonstructural member
- Exterior siding and reroofing
- Replacement of windows and doors with no change in opening size
- Gutters and downspouts, without change of discharge location
- Painting, papering, tiling, carpentry, countertops and similar finish work, not including structural repairs
- Appliance replacement
- Replacement of hot water heater or furnace with the same size and type
- Repair or replacement of any sink, toilet, tub, shower or similar plumbing fixture without relocation of any drain or vanity device
- Replacement of an electrical switch or receptacle with one of the same rating
- Retaining walls less than 4' high
- Residential swings and play equipment
- Oil tank removal (tanks, 1,000 gallons and over, must be inspected by the DEP)

***The above guide is not all-inclusive. All permit forms can be found on the Township's website and can be submitted via email, via fax, or in person at the township office. If you have any questions about permit requirements, please contact the Zoning Office at 610-323-1008, Extension 102 before starting any work.***

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**CHRISTIE'S**  
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Long & Foster Real Estate, Inc.  
Mary Kaye Rhude-Faust, Realtor®  
RS339035



**As a New Hanover township resident for over 34 years and a trusted real estate professional, I provide ...**

- Firsthand knowledge of New Hanover township
- Accurate information about the current value of your home
- Guidance through each step of the home-sale process
- Results-driven marketing strategies to sell your home
- Negotiating experience with proven results!

**610-225-7400 (Office) • 610-636-1287 (Call/Text)**  
**mkrf@LNF.com**

# PUBLIC WORKS DEPARTMENT

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Looking forward to warmer weather come spring, Public Works Crews will be out preparing the parks and playgrounds for the season. Routine maintenance includes replenishing wood-carpet around the playgrounds making it safe for children to play. Weekly mowing and clean-up of debris and tree limbs. Weekly inspections are performed throughout the parks to make sure the equipment and grounds are safe at, all times.

**Road Maintenance:** Crews will be out repairing drainage ditches, potholes, sign repairs, paving and patch paving, crack sealing streets.

Roads are being scheduled for paving, chip seal and fog seal throughout the township as part of the 2021 Road Maintenance Program. Residents living on the roads where work will occur as part of the program will be notified by letter in advance when the maintenance is scheduled.

**Tree Trimming:** Tree trimming will be completed on the roads, which will be scheduled for road maintenance throughout the 2021 season.

Hazardous tree removal is in the process of being completed throughout Community Park along the disc golf course.

## Capital Road Projects 2021

- **Scheduled for Chip & Seal:** Schaffer Road, Kulp Road, Hill Road, Parestis Road, Swinging Bridge Road
- **Scheduled for Fog Sealing:** Martin Drive, Weller Court, Liberty Bell Drive, Windy Hill Road, Hidden Lane, Owl Court, Breezy Court
- **Scheduled for Paving:** Church Road "73 to Reifsynder Road", Reifsynder Road, Middle Creek Road " 73 to Ludwig Road", Rosenberry Road " Swamp Pike to Romig Road"

**What is Fog Sealing:** Fog Seal is a coating of asphalt emulsion, recycled rubber and grit. It protects the roadway from oxidation and extends the life of the road. It binds into the surface as it dries and leaves a tough film of protection.

**What is Chip and Seal:** Is a process where liquid asphalt is applied to seal the roadway. Then a layer of chipped stone coated with asphalt is applied to protect the seal and help improve driver traction. Once it is applied, the chip seal protects the road from becoming brittle and losing its ability to bend and flex.

Please be courteous to the Public Works employees while they are performing maintenance on the roadways. Remember that the workers may have their backs turned to traffic, please keep a safe distance.

**All projects are based upon Board of Supervisors approval and scheduling can change.**

## State Roads in New Hanover Township

- North Charlotte Street, Route 73 "Big Road", Route 663 "Layfield Road"

Any issues or concerns with State Roads. Call: Penn Dot Maintenance @ 1-800- FIX ROAD

## Montgomery County Roads in New Hanover Township

- Swamp Pike, Synder Road, Kulp Road from Deep Creek to Hill Road, Deep Creek Road from Kulp Road to Township Line at Fisher Road, Henning Road from Deep Creek to Synder Road.

Any issues or concerns with County Roads. Call: Montgomery County Roads & Bridges @ 610-278-3613



# PARKS AND RECREATION DEPARTMENT

Parks and Recreation Department ensures that residents can take part in leisure, entertainment and recreational activities. The Recreation Committee with the assistance of the Township staff, is responsible for planning and implementing events and programs while the Township's Public Works Department oversees park maintenance.



## PARKS AND FIELDS

### *Community Parks:*

- **Hickory Park:** 2140 Big Road, Gilbertsville – Amenities: Swimming Pool, Concession Stand, Pavilion Rentals, Grills, Playground, Fishing & Gaga Pit
- **Swamp Creek Park:** 3179 Reifsnnyder Road, Gilbertsville – Amenities: Model Airplane Flying, Walking Trail (.8 miles), Historical School House, Small Playground & Dog Friendly
- **NHT Community Park:** 2766 Gail Drive, Gilbertsville – Amenities: Barn Rental, Baseball/Softball Field, Basketball Court, Frisbee Golf, Hockey Court, Walking Trail, Pavilion Rental, Picnic Tables, Grills & Playground
- **Pleasant Run Park:** 600 Schultz Road, Perkiomenville – Amenities: Fishing Pond & Park Benches
- **Deep Creek Park:** Deep Creek Road (North of Pleasant Run Park), Perkiomenville – Amenities: Trails, Bird Watching & Picnic Tables
- **Windlestrae Park:** 132 Chalet Road, Gilbertsville – Amenities: Small Playground
- **Briar Ridge Park:** Magnolia Drive, Gilbertsville – Amenities: Small Playground

### *Athletic Fields:*

- **Gambone Complex:** 132 Chalet Road, Gilbertsville – Amenities: Two Football Fields
- **Middle Creek:** Dotterer Road, Gilbertsville – Amenities: Baseball Field & Two Soccer Fields
- **Layfield Park:** Dotterer Road, Gilbertsville – Amenities: Three Soccer Fields
- **Recreation Center Fields:** 2373 Hoffmansville Road, Frederick – Amenities: Three Lacrosse Fields

## 2021 EVENT SCHEDULE

Due to the COVID-19 pandemic, many events previously scheduled throughout the year will not be offered this year. The Township is offering a Fishing Derby event which is open to children 12 years of age and younger. The event will be held on May 15 with a rain date on May 16 if necessary. Anglers may toss in their lines to catch some very hungry trout beginning at 9:00 AM with the event concluding at 11:00 AM. Prizes will be awarded for the smallest and largest fish as well as for the 1st caught and most caught. A pre-registration form including a "Waiver and Release of All Claims and Assumptions of Risk" must be signed by the parent of each child participating. ALSO stay tuned for updates as planning continues for our September Fall Frolic event.



## SUMMER CAMP

The Hickory Park Summer Camp Program was run by the YMCA for New Hanover and Upper Frederick Township residents. The YMCA was fortunate to be able to provide for safety of their staff and the children to enjoy this outdoor activity last summer. The half day program was offered for children who graduated from kindergarten to sixth grade. Program is **tentatively** scheduled for June 14 to July 2nd for the first session and July 5 to July 23 for the second session. Please contact Shelly Sallade at 610 323-1008 ext. 104 for more information as program details have not been confirmed at this time.



## PARK RENTALS

Park rentals are available through the first weekend in October. All rentals are available to both residents and non-residents. Rental forms will only be accepted for the current calendar year. Attendees are encouraged to practice recommendations of the CDC.

<b>Hickory Park</b>	<b>Resident</b>	<b>Non-Resident</b>
Pavilion 1 (Capacity 40)	\$85.00	\$135.00
Pavilion 2 (Capacity 40)	\$85.00	\$135.00
Pavilion 3 (Capacity 75)	\$135.00	\$185.00
Pavilion 4 (Capacity 40)	\$85.00	\$135.00

*All pavilions at Hickory Park have a grill area, electricity and access to running water and bathrooms. You must notify the Parks and Recreation Department before your rental if you would like access to water.*

### **Community Park**

Pavilion (Capacity 40)	\$85.00	\$135.00
Indoor Facility (Capacity 125)	\$160.00	\$210.00

*The Indoor Facility at Community Park has access to a bathroom and electricity.*

Keep in mind all park rules and remember to be courteous to others when using park facilities:

Remember, no animals nor alcohol is permitted, keep areas free of litter. Park amenities are available to the general public. No smoking under pavilions, park in designated areas only, no open fires, fireplaces are available – wood or charcoal is not supplied, nails, staples and tacks should not be left in tables or posts.

## NEW HANOVER TOWNSHIP RECREATION CENTER

Will no longer be available for rentals due to construction/renovation of the building for future use by the Police Department.

## HICKORY PARK POOL

The pool was not opened during the 2020 Summer season due to the COVID-19 pandemic. The Township looks forward to offering the pool for the 2021 season. No information is available at this time, please check the Township's website for pool information postings.



## WHY IS STORMWATER A PROBLEM

According to the PA Department of Environmental Resources in 2016 19,000 miles of rivers and streams were labeled as impaired for water supply, aquatic life, recreation, or fish consumption. Stormwater runoff pollution is one of the biggest reasons for the impairment. Over the past 100 years streets, parking lots, sidewalks, and roofs have steadily increased decreasing the amount of rain that would otherwise soak into the ground. Rainwater rushes over nonporous surfaces and causes flooding in some cases and drains into storm drains which sends it directly rivers and streams. Enormous amounts of pollution including car oil, lawn fertilizers, pesticides, pet poop, cigarette butts and sediment from construction sites have many negative impacts on streams and rivers. Unhealthy water increases public health risks as well as harms aquatic life. Fertilizers stimulate algae growth that removes oxygen from the water. Bacteria and pathogens wash into swimming areas necessitating beach closures. Debris washing into streams can choke ducks, fish, turtles, and birds while household hazardous wastes can poison aquatic life, land animals and people if polluted water is ingested. When groundwater is not infiltrated into the ground, springs and wells can go dry. Things you can do to avoid rainwater runoff on your property.

- Maintain your downspout directing the water so it can be filtered by grass and infiltrated into the soil or into a rain garden or bioretention area.
- Install a rain barrel or cistern at the roof downspout to collect roof runoff. Water collected is great for watering plants and emptying the barrel/cistern from time to time will make it ready for the next rainfall.
- Installing a dry well and directing roof runoff to an underground storage area to allow time for the water to infiltrate into the ground.
- Use of an infiltration trench which essentially is a leaky pipe in a stone/gravel filled trench which allows water to flow through the perforations into the soil.

- Create a vegetated swale which is a shallow channel planted with grass or shrubs and will slow the rate of flow and promote infiltration while filtering pollutants.
- Naturalize your lawn by planting native trees and shrubs, planting a backyard vegetable garden and/or compost pile, mow high leaving clippings on the lawn
- Riparian buffers along streams helps to keep moving water from eroding stream banks and filters runoff, trapping nutrients and pollutants.

New developments proposals and building permit applications being proposed in New Hanover Township are carefully reviewed to assure they comply with Township requirements along with various other regulatory agency requirements. Feel free to research to learn more about stormwater or to call the Township office should you have questions.



## MONTGOMERY COUNTY BOOKMOBILE

610-278-5100 EXT. 7 • [BOOKMOBILES@MCLINC.ORG](mailto:BOOKMOBILES@MCLINC.ORG) • [WWW.MC-NPL.ORG](http://WWW.MC-NPL.ORG)

The Montgomery County Bookmobile is a free full-service mobile library branch available in the Township parking lot each Wednesday from 10:00 AM to 4:00 PM.

The bookmobile is a free full-service mobile library branch for Montgomery County residents sponsored by the Montgomery County Commissioners and local municipalities.

For the protection of persons attending the unit and the public during COVID-19, the interior of the unit is not accessible to the public for browsing materials within the unit. Absent COVID-19 restrictions, residents may browse the interior stocked with materials for all aged groups. Materials include regular and large-print books, audiobooks, magazines, music CDs, magazines and DVDs. Requests for books and materials can be made online and reserved for pickup at a bookmobile. The website provides a number of options for reserving books by various ways such as author, title or subject matter and include short summaries of content.

# NEW HANOVER VOLUNTEER FIRE AND RESCUE

2154 SWAMP PIKE, GILBERTSVILLE, PA 19525 (MAILING ADDRESS)  
SCHULTZ ROAD, PERKIOMENVILLE, PA  
**EMERGENCY CALLS – 911 • NON-EMERGENCY 610 323-2424**  
WWW.NEWHANOVERFIRERESCUE.ORG

Fire Chief – William Moyer  
Deputy Chief – Philip Agliano  
President – Matt Barnes  
Township Fire Marshall – William Moyer



New Hanover Volunteer Fire and Rescue is formed from the consolidation of New Hanover Township's two volunteer fire companies to serve New Hanover Township and its surrounding communities. The main station is located at 2154 Swamp Pike while the north sub-station is located on Schulz Road. The mission is to prepare for, respond to, and operate in a safe manner to all reported emergencies, and other requests for service in New Hanover and to help our citizens and visitors deal with natural and man-made emergencies. The fire and rescue squad is comprised of volunteers, and all who are interested in volunteering their time and talent to this progressive department are invited to apply. The ranks of membership include those interested in serving as firefighters or fire police officers and those who may wish to give something back to their community by volunteering their administrative and support expertise to the fire department. No experience is required and there is no minimum time commitment to maintain membership in the NHVFR.

In the event you have questions about submitting an application for membership to New Hanover Volunteer Fire and Rescue or learning more about how you can volunteer your time to our community, you may email New Hanover Volunteer Fire and Rescue at [info@newhanoverfirerescue.org](mailto:info@newhanoverfirerescue.org). We look forward to hearing from you.

## Fire Safety Tips: Prevent Kitchen Fires

Did you know that more fires start in the kitchen than in any other part of the home? Here are some tips on how to keep cooking safe for you and your family.

- Don't use the stove or oven if you are exhausted or intoxicated.
- Stay in the kitchen if you are grilling, frying or broiling food.
- Check on your food often when you simmer, bake, roast, or boil food.
- Keep oven mitts, towels, curtains, food packaging, wooden utensils, and other flammable objects away from the stove.
- Keep your children three feet or more away from the oven and stove.

If you have a grease fire, smother the fire by putting a lid over the pan and turning off the stove. Keep the pan covered until it cools down.

If you have an oven fire, turn off the heat and keep the door closed.

If you cannot safely handle the fire, just leave your home! Call 9-1-1 or your local fire department.

*Source: [www.nfpa.org](http://www.nfpa.org)*

# MONTGOMERY COUNTY AGRICULTURAL LAND PRESERVATION PROGRAM

In an effort to preserve agricultural land, Montgomery County purchases agricultural easements on productive farms in the county. When an easement is purchased by the County, the property owner retains the land, but it must remain in farming/agricultural use in perpetuity. Sale of the easement is voluntary by the farmer who may sell the land in the future, the new owner must continue farming. Funding for purchase of easements comes from both the county, state, and sometimes the municipality. The Montgomery County Commissioners allocate a certain amount of money each year to preserve farms in Montgomery County. The township may contribute funds for the purchase. Application deadline to be included is February 1. The County was pleased to have reached a milestone of preserving 10,000 acres of farmland in Montgomery County. Acreage preserved in New Hanover Township to date is 1,353.31. Preserved land provides important open spaces, scenic vistas and contributes to the Township and County's economic and sustainability efforts.





# 2021 Montgomery County, PA Household Hazardous Waste Drop-Off Events

*By appointment only, preregistration required*

## DATES:

- Saturday, April 24**  
Boyertown Middle School East  
2020 Big Road, Gilbertsville
- Saturday, May 1**  
Indian Valley Middle School  
130 Maple Avenue, Harleysville
- Saturday, May 8**  
Montgomery County Community College  
Enter at 595 Cathcart Road, Blue Bell
- Saturday, June 12**  
Temple University–Ambler Campus  
Enter at 1431 E. Butler Pike, Ambler
- Saturday, June 19**  
Abington Junior High School  
Enter at 2056 Susquehanna Road, Abington
- Saturday, September 25**  
Spring-Ford 9th Grade Center  
400 South Lewis Road, Royersford
- SUNDAY, October 24**  
Lower Merion Transfer Station  
1300 N. Woodbine Avenue, Penn Valley

Free residential collection events are held outdoors. Montco residents may also attend any Household Hazardous Waste event held by Bucks, Chester, Delaware, or Philadelphia Counties.


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.

Contact us at:  
MontcoPARecycles.org  
recycling@montcopa.org  
610.278.3618



Register at [www.MontcoPARecycles.org](http://www.MontcoPARecycles.org)

 Follow us at [MontgomeryCountyRecycling](https://www.facebook.com/MontgomeryCountyRecycling)

MONTGOMERY COUNTY BOARD OF COMMISSIONERS  
Valerie A. Arkoosh, MD, MPH, *Chair* • Kenneth E. Lawrence, Jr., *Vice Chair* • Joseph C. Gale, *Commissioner*

**NOTE:** At the present time, no notice has been received from Montgomery County regarding collection of tires or electronics as well as no notice of shredding events.

The county has partnered with “retrievr”, for collection of various items at your doorstep. Please refer to their website at <https://retrievr.com/montcopa> for details on their program.

# COMPREHENSIVE PLAN – 2040

New Hanover Township is in the process of updating their 20-year comprehensive plan last adopted in 1998. The updated plan will provide a planning tool for the upcoming 20 years to year 2040. The rapid pace of development of the community has brought new demands and changes. Once a rural community, the recent development has created a change in the character of the community with increasing traffic volumes, loss of farmland, open space and wildlife habitat. The changes occurring need to be managed to provide safety and a high quality of life to meet the needs and wants of the residents. The comprehensive plan is a long-range planning tool that outlines a guide for growth and development and identifies broad-based goals and strategies for achieving the specified goals as a basis for future decision making. Updating of the plan has been a joint effort of the Township staff, Planning Commission and public responses under the purview of the Montgomery County Planning Commission which began in April of 2019. Time was allocated for discussion during monthly Planning Commission public meetings; community members attending meetings, listened and provided input as various topics were discussed. Residents also responded to a widely distributed survey listing their concerns and what they would like to see happen in the coming years. The plan provides information on current land use, demographics, housing, infrastructure, education, recreation and thoroughfares. The long-range plan addresses and provides for adaption of compatible land uses, management and preservation of natural resources, identification and preservation of historically significant land and structures and plans for infrastructure needs.



## COVID-19 MITIGATION MEASURES

New Hanover Township is currently under a disaster declaration related to the COVID-19 pandemic. We are pleased to report that we have been able to maintain all Township administrative and police services during the crisis. Township offices are open to the public wearing a mask, and provisions have been made for drop-off and pick-up of information, permits and payments not necessitating admission into the building. Public meetings are held at the Township municipal building, 2943 N. Charlotte Street, Gilbertsville, PA 19525 and are limited to the number of persons allowed in accordance with CDC guidelines. Residents are required to wear masks during the meetings which are streamed live on Facebook at <https://www.facebook.com/NewHanoverTownship/live/>. Questions and comments can be received during meetings.

**PATRIOT DEALERSHIPS**

CHEVROLET | BUICK | GMC

**CHEVROLET**  
40 AUTO PARK BLVD • LIMERICK  
610-495-1800 • ChevyKing.com

**BUICK GMC**  
933 E PHILADELPHIA AVE • BOYERTOWN  
610-367-8800 • KingofGMC.com

**CHEVROLET**  
829 WEST STREET RD • WARMINSTER  
215-672-2000 • ChevyofWarminster.com

## HISTORICAL SOCIETY HAPPENINGS

Among its treasurers the Historical Society counts two mid-nineteenth century buildings that have been restored to period appearance and function: the 1853 One-Room Schoolhouse, and the circa 1845 Summer Kitchen. Both are located within the Township's Swamp Creek Park, alongside the beautifully maintained 3/4 mile walking/biking trail. Contrary to common perception, the two structures were unrelated during their period of common usage. We acquired three additional interesting historic objects since the last Township newsletter update. The first, a severely weathered 18th/early 19th century shovel, was literally unearthed from the soil between the garden and Reifsnyder Road by a friend of the society who was searching the area with a metal detector. We are now in the process of stabilizing the artifact and a suitable display case will be built to house it. The other two items historically important to New Hanover Township are school diplomas donated by Roger Moyer after having had them professionally matted and framed for display in the Schoolhouse. A separate report will be prepared for future publication to showcase and document their special importance to the Township's history.



At the Summer Kitchen the Historical Society also maintains a mid-nineteenth century Pennsylvania Dutch demonstration kitchen garden. Much reduced in scale, the kitchen garden is only 24 feet by 24 feet, far too small to feed a hungry farming family in the 1800's. But, like its forbearers, it contains four central raised beds for annual vegetable plants and interior perimeter beds containing perennial herbs and medicinal plants, and a few flowering plants, "just for so." We also utilize a portion of the exterior perimeter for beans and other vining plants that use the fence palings for support.

While preserving the historic nature and artifacts of New Hanover Township, the principal function of the Historical Society is educational. Throughout the spring and fall seasons we welcome school groups for a day spent attending the one-room school through typical lessons and activities, playing period appropriate outdoor games, and visiting the garden. The summer kitchen is where the students get to assist with preparation of an open hearth-cooked meal and baking in the squirrel-tailed, bee-hive oven. In the fall the children get to make cider from local fruits in a hand operated cider press. Turning the cider press and hand pumping water from the hand-dug original well for the garden are much enjoyed by the youngsters and help to use up some of their excess energy.



With the COVID pandemic still dictating our inability to host group activities we continue to cancel program meetings and other special public events for the foreseeable future. However, once again we plan to maintain the demonstration kitchen garden and prepare open hearth meals on our Friday workdays. We will continue to welcome visitors to Swamp Creek Park to enter and explore the garden and the summer kitchen. However, due to the confined space of the kitchen we require the use of face masks as social distancing is not always possible. Many of the folks who regularly utilize the park are familiar with our activities and make it a point to check on the garden's progress and find out what's being prepared for the mid-day meal. For those folks who haven't visited Swamp Creek Park on Reifsnyder Road and might not be aware of the Historical Society's various events and educational programs, we would like to extend an invitation to visit us on Friday mornings at the Summer Kitchen. Arrangements can be made to visit the Schoolhouse and the Summer Kitchen at other times by calling 610-326-4165 (Bob Wood for Schoolhouse) or 215-234-4119 (Bill/Jacquelyn Daley for garden and Summer Kitchen).



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# **STORMWATER MANAGEMENT PROGRAM PUBLIC EDUCATION & OUTREACH**



**New Hanover Township**  
Montgomery County, Pennsylvania

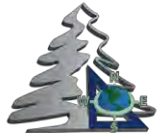
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*Updated: March 2021*

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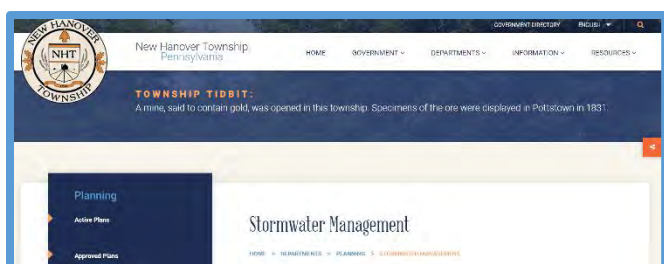


## 1. INTRODUCTION

New Hanover Township has developed and is implementing a Public Education and Outreach Program (PEOP) as part of the Township’s Stormwater Management Program that will be reviewed annually and updated, as necessary. The PEOP provides a guide for:

- distributing educational materials to the community;
- conducting outreach activities about the impacts of stormwater discharges on water quality; and
- the steps the public can take to reduce pollutants in stormwater runoff.

The PEOP is designed to comply with New Hanover Township’s National Pollution Discharge Elimination System – Municipal Separate Storm Sewer System (NPDES MS4) General Permit No. PAG130020 issued by the Pennsylvania



Department of Environmental Protection (DEP). It was developed based on the Special Conditions listed in the NPDES MS4 Permit (3800-PM-BCW0200e 12/2016). More specifically, it will meet the measurable goals and criteria outlined in Minimum Control Measure (MCM) No. 1 – Public Education and Outreach on Stormwater Impacts – Best Management Practice (BMP) #1 of the NPDES MS4 permit.

The goal of the PEOP is to achieve measurable improvements in the target audience’s understanding of the causes and impacts of stormwater pollution and the steps they can take to prevent it.

## 2. TARGET AUDIENCE

The target audience for the PEOP is the public and includes all property owners and/or operators within the Township. The public should be informed about the causes of stormwater pollution and the impacts it is having in their community, as well as the actions they can take on their own property or during their own activities to prevent stormwater pollution. Refer to **Table 1** below for a breakdown of the individual target audience groups in New Hanover Township and **Table 2** for educational item ideas by target audience group. Items and distribution methods can be selected from these tables to meet the minimum requirements of MCM #1.





**Table 1: Target Audiences**

### **Residents**

New Hanover Township is primarily composed of residential properties that includes households and neighborhoods within the Township. Many of the lots in these areas are likely to be served by stormwater infrastructure such as subsurface pipes, curbed streets, and/or inlets.

### **Homeowners Associations**

New Hanover Township has eight (8) Homeowners Associations (HOAs) that serve residential developments: Autumn Brook, Hanover Woods, Hawthorne Estates, Highlands at Hanover, Kingston Hill, Montgomery View, Windlestrae, Windy Creek. HOAs are unique in that they can provide a vehicle to more efficiently reach residents through additional outlets such as HOA Board meetings, newsletters, and community social media pages. HOAs are typically responsible for maintaining stormwater management facilities on their property.

### **Students**

New Hanover Township is located within the Boyertown Area School District. There are two (2) schools, including one (1) elementary school (New Hanover Upper Frederick Elementary School), and one (1) high school (Boyertown Junior High School East).

### **Community Groups**

There are a various Community Groups in the Township. Places of worship within New Hanover Township, include but are not limited to Boyertown Area Young Men’s Christian Assoc., Carelink Community Support Services, Child Guidance Resource Center, Falkner Swamp United Church of Christ, German Lutheran Congregation, Helping Hands Inc, Hope Community Church, Ken-Crest Housing, New Hanover Lutheran Church, New Hanover United Methodist Church, Salvation Army, St Paul’s Lutheran Church. Other Community Groups include fire companies and Girl Scouts.

### **Township Officials & Staff**

New Hanover Township owns and maintains several sites throughout the municipality through their officials and staff (i.e., Administration and Public Works). At each of these locations, there are opportunities to utilize proper operational practices to reduce impacts to runoff and waterways.

### **Environmental Groups**

Watershed organizations such as the Perkiomen Watershed Conservancy (PWC) can partner with the Township and continue to support the efforts of educating community members to become “watershed stewards” by practicing “good watershed housekeeping” in and outside of their homes. The Township also has an Environmental Advisory Council (EAC), which meets once a month to discuss events, plans, and activities in the Township that would have an effect on the environment.

### **Businesses**

Businesses include commercial, industrial, and retail establishments within the Township that sell goods or offer services. It is important to include businesses within the MS4 Program for management and prevention of stormwater pollution as these non-residential properties have parking lots, building footprints, and other impervious surfaces that contribute to stormwater runoff.

### **Utilities**

Comcast, Verizon, PECO, and Pennsylvania American Water own and operate utilities within the right-of-way of Borough Roads. Pennsylvania American Water also owns a large property containing a water treatment plant. It is important that the crews completing improvements and/or maintenance for these companies understand the potential for stormwater pollution during construction activities.

### **Contractors/Developers**

Contractors and developers are utilized in the Township for various purposes. There are approximately 86 contractors and 3 developers within the Township. Developers include: Gambone Construction, Paul Moyer & Sons, and Metropolitan Development. Contractors for construction activities are exposed to potential stormwater pollution on site. There are opportunities to educate contractors through the land development and building permit application process.



**Table 2: Pollution Prevention Education by Target Audience**

<b>Target Audience</b>	<b>Pollution Prevention Education</b>
<b>Residents</b>	<ul style="list-style-type: none"> <li>• Education materials to distribute to residents can include topics such as best practices for lawn fertilization, pet waste management, swimming pool dewatering, car washing, and winter salt application.</li> <li>• Increase awareness of how the storm sewer system works, where it drains to, and why dumping any substance into it has a negative impact on waterways. Practical knowledge is vital to reducing pollution.</li> <li>• Stormwater activities can be hosted at one of the Township’s annual community gatherings.</li> <li>• Stormwater/MS4 information can be included in the new homeowner’s packet, stormwater bills, pool membership, or park rental applications. This provides a direct connection to the residents.</li> </ul>
<b>Homeowners Associations</b>	<ul style="list-style-type: none"> <li>• Distribute educational materials to HOAs to be communicated at their Board Meetings and distributed through newsletters and/or community social media pages.</li> <li>• Hold workshops/trainings geared towards HOA-related topics such as rain barrels, rain gardens, pollution prevention, and stormwater BMP O&amp;M as well as topics listed above.</li> </ul>
<b>Students</b>	<ul style="list-style-type: none"> <li>• Using the two (2) schools and its administration for passage of MS4 information allows a direct link to the teachers, students, and parents of the Township.</li> <li>• Hands-on activities and lectures could be held with the students annually.</li> <li>• Educational materials can be distributed through the school newspaper and district website.</li> <li>• The students within the Township are particularly important because they will be potential Township landowners in the future and can help reach their parents now, as current landowners.</li> </ul>
<b>Community Groups</b>	<ul style="list-style-type: none"> <li>• Places of worship and athletic groups regularly unite people and can be conduits for MS4 information dispersion throughout the community. Encouraging green practices is a great way to protect our local waterways and aligns with these groups’ interests.</li> <li>• HOAs may be interested in implementing green infrastructure on their properties and recognize the importance of environmental improvements to the community they serve.</li> <li>• There are local organizations in the Township that work to recruit and retain new businesses and would be able to provide stormwater education content to those businesses. The organizations include: Tri County Chamber of Commerce, Montgomery County Industrial Development Corporation, BIE Building Industries Exchange, Berks-Mont Business Association, YMCA.</li> </ul>
<b>Environmental Groups</b>	<ul style="list-style-type: none"> <li>• Watershed and non-profit organizations can collaborate with schools and host professional training sessions to provide tools to make teaching in an outdoor setting enjoyable and successful.</li> <li>• Non-profits can host volunteer workdays to support watershed projects.</li> <li>• The Perkiomen Watershed Conservancy (PWC) can provide events and educational materials.</li> <li>• The Township’s Environmental Advisory Council (EAC) can organize municipal events or activities geared towards the Township’s stormwater goals.</li> </ul>
<b>Businesses</b>	<ul style="list-style-type: none"> <li>• Businesses can support municipal and/or watershed group efforts by displaying posters, distributing handouts, sponsoring events, etc.</li> <li>• Keeping a “clean shop” is important with non-residential land uses that use cleaners, chemicals, or other types of process liquids that flow into waterways or the storm sewer system. Since non-residential uses can have more impervious coverage (area and percentage of total lot), runoff can be pre-treated with green infrastructure techniques (i.e., rain gardens for infiltration and filtration) before reaching waterways or the storm sewer system.</li> </ul>
<b>Township officials &amp; staff</b>	<ul style="list-style-type: none"> <li>• Township staff must implement and manage "good housekeeping" principles at its facilities, including the Township buildings and community parks to maintain water quality and provide a positive example to the public.</li> <li>• A flyer can be included in employee paychecks about stormwater pollution prevention.</li> <li>• Use the changeable copy signs at the Township building and fire companies to display stormwater information.</li> </ul>
<b>Utilities</b>	<ul style="list-style-type: none"> <li>• Utility companies working with the Township’s right-of-way are commonly working directly next to Township MS4 infrastructure. Educating the utility companies with the information on what to do if an illicit discharge</li> </ul>



	<p>is detected could quickly eliminate a significant pollution event as well as erosion and sediment control during construction activities.</p> <ul style="list-style-type: none"> <li>Utilities are essential to the functionality of the Township and there are always situations where the Township and utility companies interact. Keeping in contact with the utility companies will allow the Township to gain a path of communication that is important for pollution prevention and education.</li> </ul>
Contractors/Developers	<ul style="list-style-type: none"> <li>Contractors and developers work directly on construction sites where pollution prevention activities are vital. Educating contractors through the building permit, preconstruction, and land development process can inform the contractors before construction begins and would allow them to notice any potential stormwater pollution activities and encourage best practices on the construction site.</li> </ul>

Outreach, education, and full engagement of the public are essential and important elements of a successful MS4 program to ensure comprehensive management of stormwater. In developed communities regulated under MS4 permits, 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. By successfully identifying the stakeholder groups, distributing materials, and involving the groups in local stormwater activities, the Township will be able to educate the community about the importance of stormwater control and the resulting benefits of maintaining water quality.



### 3. METHODS OF REACHING TARGET AUDIENCE

New Hanover Township utilizes several methods for reaching target audiences with stormwater educational information, including:

1. **Township Website.** The Township uses its website to distribute MS4 information within the “MS4” tab. The Township keeps the website updated with new links, educational materials, records of previously submitted MS4 materials, and updates of new reports that have been included in the MS4 Program.

Municipal Website Stormwater Contents
<ul style="list-style-type: none"> <li>Stormwater regulations and program details;</li> <li>General MS4 information and requirements;</li> <li>Stormwater and neighboring properties;</li> <li>Township stormwater mapping;</li> <li>Goals of stormwater management; and</li> <li>Links to the following websites: <ul style="list-style-type: none"> <li>PA DEP – Southeast Region Office</li> <li>Bucks County Conservation District</li> <li>FEMA</li> <li>Center for Watershed Protection</li> <li>Pennsylvania Environmental Council</li> <li>EPA Stormwater Outreach Materials &amp; Reference Documents</li> <li>EPA – NPDES Program</li> </ul> </li> </ul>



The Township website can be found at the following link: [https://www.newhanover-pa.org/departments/planning/stormwater\\_management.php](https://www.newhanover-pa.org/departments/planning/stormwater_management.php). The website will be maintained to contain stormwater educational information items including links to DEP’s and EPA’s stormwater websites. The content and links provided on the website will be reviewed annually and updated as needed.

**Publications.** As an alternative to maintaining and updating the stormwater website, the Township must publish and distribute in printed form from a newsletter, a pamphlet or a flyer containing educational information. The publication(s) should contain general stormwater educational information, a general description of the Township’s Stormwater Management Program, and/or information about ongoing stormwater management activities. These publications can be distributed through publication in local newsletters and newspapers. Some of the local newsletters/newspapers include: Route 422 Business Advisor, The Mercury, and Town & Country Newspaper.



2. **Email.** The Township utilizes as public resident information distribution email list to provide residents with direct content. The Township will maintain this email list as residents change and use this form of reaching target audiences as an alternative or in addition to. Information, which can be either a pamphlet or flyer, can contain illicit discharges detection and elimination information, notice of outfall or BMP inspections, general information about the Township’s Stormwater Management Program, and/or upcoming stormwater-related events.

In addition to the above requirements, the Township will distribute stormwater educational materials and/or information to target audiences utilizing a minimum of two (2) of the following distribution methods per year, or as described above in Table 2.

Distribution Methods	<ul style="list-style-type: none"> <li>• Displays, posters, or signs;</li> <li>• Social media posts;</li> <li>• Newsletter (paper and electronic) articles;</li> <li>• Pamphlets, booklets, fact sheets, or brochures;</li> <li>• Radio, local cable television, or newspaper advertisements;</li> <li>• Newspaper articles;</li> <li>• Bill stuffers;</li> <li>• Presentations, conferences, or meetings;</li> <li>• Giveaways; or</li> <li>• Storm drain stenciling, stream clean-up, and/or other educational events.</li> </ul>
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#### 4. PARTNERS

The Perkiomen Watershed Conservancy (PWC) is an organization designated to conserve and protect the natural resources of the Perkiomen Watershed. The Conservancy's goals are to educate and inspire, provide tools for action, engage the watershed community, and increase organizational stability. Because the Township is located within the Perkiomen Watershed, the Township partners with PWC for assistance with efforts such as educating community members to become "Watershed Stewards" by practicing "good watershed housekeeping" in and outside of their homes. New Hanover Township is a municipal member of the PWC with MS4 benefits.



As a member of the Perkiomen Watershed Conservancy, the Township has access to resources for potential multi-municipal collaborations for planning and implementation of projects and events that will improve water quality. The Township benefits through the partnership by receiving educational materials and support services towards achieving MCM #1 requirements.

#### 5. SURVEYS (OPTIONAL)

To measure the success of the PEOP and evaluate the overall effectiveness of the public education and outreach efforts, a survey should be circulated. The survey may be distributed by mail, be available on the website, or be completed in person at a Township event or meeting. Offering a survey allows the Township to engage with and gain feedback from the residents.

##### Survey Questions

1. What is stormwater?
2. What are potential causes of stormwater pollution?
3. What is an illicit discharge?
4. How did you learn about stormwater?
5. What type of stormwater-related information would you be interested in learning more about?
6. What type of workshop or event related to stormwater management, pollution prevention, or water quality would you be interested in attending?
7. Are there specific locations where you have experienced stormwater issues in your neighborhood?



Once the survey results are obtained, they should be assessed to determine what areas of the program need improvement and what areas have been successful. The results should be used to focus future education efforts in areas where improvement is needed and provide guidance on what distribution methods are most successful. A survey is not required by the permit and will be considered an above and beyond activity if the Township has the resources to complete this effort within a permit reporting period.



## 6. EDUCATIONAL MATERIAL SOURCES

“High quality water is more than the dream of the conservationists, more than a political slogan; high quality water, in the right quantity at the right place at the right time, is essential to health, recreation, and economic growth.”

– Edmund S. Muskie,  
introduced the Clean Water Act  
bill in Congress in 1971.

Educational materials will be developed or obtained that will increase the public’s knowledge of stormwater issues and the practices that can be applied. Educational material should address one or more of the six (6) MCMs.

Sources to consider include, but are not limited to:

- Perkiomen Watershed Conservancy (PWC)
- Montgomery County Conservation District (MCCD)
- Pennsylvania Department of Environmental Protection (PA DEP)
- Environmental Protection Agency (EPA)
- Water Resources Education Network (WREN)
- Pennsylvania Environmental Council (PEC)

Each of these organizations has stormwater educational information available for download on their websites. The Township will source materials from these websites and/or publish custom educational items.



## 7. STORMWATER EDUCATION TOPICS

There are a wide variety of stormwater topics that can be presented to the public. Diversifying the public education and outreach topics can assist in maintaining the public's interest. It may also aid residents in identifying potential stormwater management practices that best suit their properties and budgets. Below are some general stormwater topics to provide residents with a basic understanding of stormwater, the NPDES MS4 permit, and how they can participate. Specific topics by audience groups are listed in **Table 2**. Information on these topics can be found through the sources listed above, among others.

### Stormwater Topics

- The **importance of clean stormwater** to individual residents and the overall watershed health, along with the detrimental effects of pollution.
- **NPDES MS4 permit** overview.
- **Common pollutants** (i.e., fertilizer, litter, dog poop, motor oil, leaves, swimming pool discharges, etc.).
- **Pollution reduction practices** (i.e., limit fertilizer use, prevent leaves from entering storm drains, proper trash and motor oil disposal, dog poop clean up, etc.).
- Common **Best Management Practices (BMPs)**, such as basins, pervious pavement, subsurface infiltration beds, vegetated swales, wet ponds, etc.
- BMPs that residents can easily implement on their properties:
  - **Rain gardens** to promote increased water filtration and infiltration;
  - **Rain barrels** to collect and reuse rainwater.

## 8. ANNUAL GOALS

The specific goals for the PEOP to be completed annually to meet the minimum permit requirements are detailed in **Table 3** below. In addition, New Hanover Township will go above and beyond the permit requirements, as resources allow.



**Table 3: Permit Compliance**

<b>Permit Requirements</b>	<b>Minimum Township Compliance Goal</b>	<b>Above and Beyond Measures</b>
<b>BMP #1: Develop, implement, and maintain a written PEOP.</b>	The Township has a written PEOP that is reviewed annually and revised, as necessary.	-
<b>BMP #2: Develop and maintain lists of target audience groups within the Township's regulated small MS4.</b>	The Township has a target audience list that is reviewed annually and updated as necessary (concurrently with PEOP revisions).	-
<b>BMP #3: The permittee shall annually publish at least one (1) issue of a newsletter, pamphlet, flyer, or website that includes general stormwater educational information, a description of the Township's Stormwater Management Program (SWMP), and information about the Township's stormwater management activities</b>	<p>The Township will publish a minimum of one (1) of the following items annually:</p> <ul style="list-style-type: none"> <li>• Stormwater educational pamphlets/flyers;</li> <li>• A stormwater article in the Township newsletter; and</li> <li>• Maintain and update the content the stormwater page on the Township website.</li> </ul> <p>The Township also partners with the PWC, who publishes numerous stormwater educational materials in their newsletters, social media, etc.</p>	The Township may exceed the minimum requirement of one (1) publication annually by utilizing all methods mentioned and/or by publishing multiple newsletter articles, etc.
<b>BMP #4: Distribute stormwater educational materials and/or information to the target audiences using a variety of distribution methods. The permittee must utilize at least two (2) distribution methods annually.</b>	<p>The Township will distribute stormwater information to target audiences through two (2) of the following methods:</p> <ul style="list-style-type: none"> <li>• Posters hung in the Township building;</li> <li>• Flyers/pamphlets for distribution in the municipal building;</li> <li>• Through the Township website;</li> <li>• Articles in their quarterly newsletter;</li> <li>• Sharing on the Township Facebook page;</li> <li>• Newspaper advertisements; and</li> <li>• Through the partnership with the PWC, who publishes numerous stormwater educational materials in their newsletters, social media, etc.</li> </ul>	The Township may exceed the minimum requirement of two (2) distribution methods annually by utilizing all methods mentioned and/or by publishing multiple newsletter articles, etc.

## **9. ANNUAL ACCOMPLISHMENTS**

The Township is required to submit annual reports on the Stormwater Management Program to DEP by September 30th. The annual reports are available to the public by request at the Township Municipal Building. PEOP accomplishments will be reported each year in the Annual MS4 Status Reports.



# **Annual MS4 Status Report**

## **APPENDIX B**

### **MCM #2 Public Involvement and Participation**

- 1. Public Involvement Documentation**
- 2. Public Involvement and Participation Program (updated March 2021)**

**NEW HANOVER TOWNSHIP**  
**BOARD OF SUPERVISORS**  
**REGULAR MONTHLY MEETING**

**APRIL 1, 2021**

New Hanover Township is currently under a disaster declaration related to the COVID-19 pandemic. This meeting will be held at the Township Building, 2943 North Charlotte Street, Gilbertsville, PA 19525, and will be limited to the number of persons allowed in accordance with CDC guidelines. Residents are required to wear masks during the meeting. This meeting will be streamed live on Facebook at <https://www.facebook.com/NewHanoverTownship/>.

The regular monthly meeting of the New Hanover Township Board of Supervisors was held at the New Hanover Township Municipal Building, 2943 N. Charlotte Street, Gilbertsville, PA 19525 on April 1, 2021 beginning at 6:30 P.M. Present were Kurt Zebrowski, Charles D. Garner, Jr., Marie Livelsberger, Boone Flint, and Ross Snook. Also present were Township Manager Jamie Gwynn, Solicitor Andrew Bellwoar, Engineer Bob Flinchbaugh, Planner Danielle Baer and Eileen Pogany. Kurt Zebrowski called the meeting to order and led in a Salute to the Flag at 6:33 PM.

**ANNOUNCEMENTS**

Kurt Zebrowski thanked attendees for attending and stated that the meeting is streaming live on Facebook and that the Township is practicing social distancing. He added that the following items are available on the information table: attendance sign-in forms for the official record of attendance, agendas for the public, a notebook containing meeting procedures, a notebook containing approved minutes from prior meetings, and a notebook containing prior meeting bill lists. He announced that New Hanover Township is currently under a disaster declaration related to the COVID-19 pandemic. This meeting is limited to the number of persons allowed in accordance with CDC guidelines. Residents are required to wear masks during the meeting. The meeting is also being streamed live on Facebook at <https://www.facebook.com/NewHanoverTownship/live/>. He asked that everyone remember to be courteous during the meeting.

**UPCOMING TOWNSHIP MEETINGS**

Eileen Pogany announced the following meetings to be held at the New Hanover Township municipal building, 2943 N. Charlotte Street, Gilbertsville, PA beginning at 6:30 PM.

April 7 – Recreation Committee

April 12 – Environmental Advisory Board

April 14 – Planning Commission

April 21 – Municipal Authority

May 5 – Recreation Committee

May 6 – Board of Supervisors

#### 4. REPORTS

##### A) Engineer's Report

Bob Flinchbaugh, P.E. summarized his written report stating the Hanover Pointe, Westwood-Maguire, Hanover Crossing and Aqua Standpipe Water Storage Tank are land development plans received at his office. Hanover Crossing, Westwood Maguire and Aqua Standpipe applications will have review comments submitted in advance of the April 14 Planning Commission meeting. Keystone Homes and four other plans will be issued stormwater management or grading review letters shortly. The majority of the remaining items in his report represent ongoing construction inspections and meetings attended.

##### B) Solicitor's Report

Solicitor Andrew Bellwoar stated he had submitted a confidential memorandum to the Board of Supervisors. He stated that oral argument was conducted by the Commonwealth Court on the appeal of Gibraltar Rock from the Environmental Hearing Board decision which seemed to go well and that it will be months before a decision is received from the Commonwealth Court. He advised that the Board conducted an executive meeting prior to this meeting to consider litigation and personal matters and that the Board also conducted an executive session on March 18 concerning personal issues. Jamie Gwynn attended the settlement for the Hickory Valley Golf Club and the conservation easement is being filed with the County. He stated he is asking that Windlestrae, item #7(I) on the agenda, be removed from the agenda this evening since the agreement has not been finalized due to unavoidable circumstances.

##### C) Manager's Report

Manager Gwynn reported that the American Rescue Act of 2021 signed by President Biden has allowed some money to be allocated to local municipalities. The Township will be receiving \$1,306,244 in two installments with one installment coming soon and the other coming next year. He said there are strings attached and that we will wait for additional clarification from the Federal Government before spending any funds; the Montgomery County Consortium is working on trying to secure more information from the DCED. He and Mr. Flinchbaugh will be meeting with Marybeth Torchia, representative of the school district on April 6 to review the Dotterer Road Trail proposal. The last thing needed for the DCED grant application is an easement agreement and the application will be processed in May. The UGI pipe project is expected to start on April 19 with work occurring between 9AM and 3PM; the project is expected to take two months to complete. Parks and Recreation are interviewing lifeguards for this year's pool opening needing between 7 to 9 lifeguards; they have interest from four individuals. Pay scale ranges between \$8.00 to \$11.00 per hour depending on certifications and adding an additional \$.25 for each year served. He advised that we are starting to see interest in residents asking to reserve the Gambone Park for special events and explained that we do not charge for use of the field and approval for usage depends on the lessee not having a conflict. He has authorized an egg hunt for the Windlestrae HOA and has opted to ask the Recreation Committee to review a request for a school dance and is asking for direction from the Board as to whether they want the Recreation Committee to review these

types of requests and recommend them to the Board or just approve them administratively and also asked if a fee should be charged or if the Board wants the Recreation Committee to review the entire request. He mentioned that the school dance may go beyond our park hours and there could also be noise. Boone Flint suggested the Recreation Committee review the applications and make recommendations to the Board of Supervisors; Marie Livelsberger agreed. Solicitor Bellwoar asked if there is a form for release of liability and Manager Gwynn stated that the Township has one. The good news on the New Hanover Square Bridge is that a bid has been awarded for the 2.7-million-dollar construction project to replace the bridge this spring with anticipated completion of the project early summer 2022. Manager Gwynn stated that we have a number of active subdivisions getting close to completing the subdivisions: Hanover Pointe having 10-15 lots remaining, Montgomery View is completed and Woodfield having 13 lots remaining and expecting Rolling Meadows next year; he stated there will be a discussion regarding these projects to learn from anything we may have seen through this process and will provide an update to Board.

Sharon Hoffman stated she lives in Windlestrae and asked about the senior high school social/dance proposed for Gambone Park and asked if May 7<sup>th</sup> was the date of the event and was told it is.

## **DISCUSSION ITEMS**

### **D) Camp Laughing Waters Funding Request**

Kate Raman was present representing Natural Lands Trust stating they have been working with Camp Laughing Waters regarding preservation since 2013 and have been before the Township previously but had not been successful at that time with the Township expressing an interest in more public access. Lands Trust has been in touch with the County Commissions and have obtained a commitment of 2.7 million dollars and Lands Trust is now needing to close the gap of the 3.9 million dollars needed for purchase of the easement. She stated that they will be applying for a DCNR grant this round and reducing the amount of the request to \$500,000 dollars which will make the application more competitive. She provided a presentation showing the tract area and surrounding properties explaining that the easement will prevent future development over the 455 acres. Natural Lands Trust will hold the conservation easement and monitor the property in perpetuity and the County will hold the trail easement through the property. Environmental advantages include preserving native plants, rare animals, and birds. She stated that this is the 4<sup>th</sup> largest undeveloped property in Montgomery County, 375 acres of which are in New Hanover Township. She said the camp contributes to the Township enhancing its rural character and will provide two miles of trails, two small parking areas and fishing access to the Swamp Creek. She explained another benefit is that the Girl Scouts will own and maintain this property and it will increase property values in the area. The Girl Scouts have agreed to donate over \$400,000 in land value and have agreed to donate the \$75,000 trail value to the County, working together to close the gap and make this possible. She stated that New Hanover Township is being asked to increase their contribution toward the purchase to \$800,000. Charles Garner Jr. asked her to explain in detail what is meant by increased public access and provide examples of how the public can use the facility apart from the County trail. She identified the small parking area that allows for public access

for fishing. Chairman Zebrowski asked if traversing through the creek would be permitted for wading fishermen and was told that it would likely not be permitted due to security concerns and traversing over privately owned properties. He also asked if access could be allowed by walking over the sewer easement. Solicitor Bellwoar stated that it may depend on the property owner who granted the easement to the authority and whether it is intended for use by the Authority only; the Authority could be asked to allow for others to use the easement. Chairman Zebrowski stated that he wants assurance that if an area is designated for fishing that there is access to get to the area. Another suggestion for access was to create a small trail off the County trail, this would need to be investigated in detail and options explored. Charles Garner Jr. stated that he thinks the Board is supportive of open space preservation and that the Township spends a lot of funds on its own to acquire easements for preservation and to protect them from development. He stated that when the Board was approached a few years ago, a commitment of \$50,000 was made toward the goal and asked if Upper Frederick has made a commitment since they have 18% of the land and New Hanover has 82%; he asked what amount Upper Frederick committed to previously and what they are being asked to contribute now. Ms. Raman replied saying that Upper Frederick has committed to \$2,500 in the past and the same amount currently. She stated there are 80 acres of land in Upper Frederick and they are zoned RP which is Rural Preservation and in Upper Frederick the potential is for 40 homes and New Hanover Township has a potential for 200 homes. Mr. Garner stated that \$800,000 is a huge sum of money to be asking for and asked if it is intended to be contributed in a lump sum or payment over a period of time and added that if it is needed as a one-time donation, the Township may not be able to do it. She stated that payment could be worked in different ways and that if the grant is applied for this year the awards would not be made until fall of 2021 and due diligence would not start until 2022 and would likely not close until the end of 2022, so the donation could be spread out. The commitment of the \$500,000 amount is important because they are needing to close the gap in the budget with DCNR and not show gaps. Mr. Garner stated that if the Township made a purchase they couldn't afford, they could float a bond and pay for it over a number of years. He asked if it would be possible for the Township to pay \$30,000 per year over a period of years and was told that it would need to be paid within 2-3 years tops. Marie Livelsberger asked if there are any other planned uses for the public other than fishing and was told hiking and bird watching but mostly passive recreation. Thomas Quinn, 105 Worthington Drive asked if the easement is permanent or would it need to be renewed; he was told it is in perpetuity and the easement would be monitored every year by Natural Lands Trust to insure it is in good shape and that there hasn't been any development that is not permitted by the easement. Marie Livelsberger asked if there could be any additional costs to the Township and was told there would not be additional costs, the Township would be its own beneficiary. Bill Hartman from Montgomery County Planning Commission answered a question about bicycles being permitted on the trail and was told they would be allowed. He stated that this easement is important to the County and that it is a multi-party partnership. He said the funding is dependent on filling the gap of what is already on hand and added that this trail will become part of the Sunrise Trail at some point.

Karl Stuart of 601 Layfield Road asked how many days the Girl Scouts would be using the camp and was told 7-8 weeks and that throughout the year the camp is also open to other troops.

Mr. Stuart believes it needs more public access, that huge amounts of money are being asked for and believes the property has potential for other public uses.

Ms. Raman stated that the market value of the property is 10 million dollars and that they are seeking a total commitment of 3.9 million with 2.7 million coming from the County, \$500,000 grant is being requested from DCNR, \$800,000 being requested from New Hanover Township and \$2,500 from Upper Frederick. They are trying to fill the gaps and could discuss/adjust commitment amount after they know the results of the grant application to DCNR.

Susan Kreiner, 2478 Swamp Pike asked why the donation amount being requested from Upper Frederick is so much less than what is being requested from New Hanover Township. She was told the amount is based on the development potential of the land and that Upper Frederick has a potential of 40 homes and New Hanover Township has the potential of 200 homes. She was asked how the number of potential homes was arrived upon and was told it was based on zoning with a percentage subtracted for infrastructure etc.

Russell Oister, 590 Jays Lane stated he would not want the general public crossing over a sewer easement if it were on his property and that the easements near the Girl Scout Camp may be on private property. He also suggested that the donation amounts for New Hanover and Upper Frederick Township need to be adjusted to make it more equitable.

Charles Garner Jr. said he thinks it's a great project but that being asked on April 1 to make a \$800,000 commitment in 12 days is tough for him to swallow. Marie Livelsberger agreed with Mr. Garner and wants to have time to look over the Township's long-term plans and that if it were possible to spread out the donation over a period of time it might be easier to make a commitment. Kurt Zebrowski is also in agreement that spreading the payment over a period of time would help and also would like to see Upper Frederick contribute more. Ross Snook said he has walked the property and it needs to be preserved and hopes a solution is found to make it more equitable. The sale of the property is not imminent, but Lands Trust is looking for a solution so that the purchase can be made. Karl Stuart, 601 Layfield Road asked about the 2-3 year time period for payment and was told that Natural Lands Trust would like to close on the property and doesn't want to take on debt.

E) **Swamp Creek Stream Restoration Feasibility Study**

Beth Uhler of Cedarville Engineering Group, LLC stated that they have been working with the Township for the past few years to address the requirements needed under the Township's NPDES permit and stated that a stream restoration feasibility study was conducted. She provided a power point presentation showing the section of the Swamp Creek which is impaired due to steep stream banks and accumulated sedimentation in the creek bed. The Township is required to make certain repairs which need to be completed over a five-year period which expires January 21, 2024. She stated that several methods could be used to achieve sediment reduction including controlling stormwater and preventing the erosion of the streambanks. Steep stream banks are evidence of stream erosion and stated that best management practices and options have been looked into to remedy the issue. The Environmental Advisory Board has made recommendations. Cedarville has developed a plan for restoration stating the DEP has very stringent controls to address MS 4 requirements and they also considered site constraints to determine what is needed for this project. There are

1,100 lineal feet of stream needing to be addressed which has been divided into restoration segments suggesting that segment #1, estimated cost of \$203,400, or #3, estimated cost of \$413,700, may be considered as a beginning. She identified four segments with Segment 1 being 100 lineal feet which is the minimum required to be restored by January 21, 2024. Segment #3 is 300 lineal feet and is well above the Township's minimum requirement but may be more favorable to secure grants where matching funds are required. She stated that she is hoping to get direction on which segment to proceed with and also a second choice. She reviewed the timeline for the process and possible sources of funding requiring matching funds. Ross Snook stated that the Environmental Advisory Board toured the area and noticed many dead ash trees and evidence of recreational vehicle traffic and thinks the area should be restricted from recreational vehicles. He suggested that the first segment to be addressed should be the segment located the farthest from the roadway so that completed segments would not be disturbed at a later time. He added that the Conservation District also has a grant opportunity and the EAB suggested doing the entire project if funding was available and if not able to do the entire length that two segments should be done. Charles Garner Jr. asked if the DEP would give credit toward requirements in the future if the minimum requirement was exceeded and Ms. Uhler stated she could not guarantee what the DEP might do. Charles Garner, Jr. stated that he would be in favor of doing the segment that is required now. Marie Livelsberger asked if the Township applied for funding to accomplish an additional segment, and were not granted funding, would the township be obligated to do the additional segment. Ms. Uhler stated that the township can reapply for grant monies but can't count on receiving funds, in that case Mrs. Livelsberger said she would agree to start with what is required. Thomas Quinn from Worthington Drive thinks it's important to get the ball rolling and said it would be good, if possible, for the DEP to allow for banking credits. He added a concern with segment 3 and was told it will be addressed by the designers. Barbara Furman 138 Garret Lane asked for clarification on which section is being recommended to be done first and was told segment 3 is preferred. Ross Snook stated that if segment 1 were done first and other segments done later, he is concerned that the work done would be damaged by areas not completed previously; he was advised that the designers would need to address this and that stabilization will be addressed. Karl Steward asked if the project could be coordinated with Douglass Township since the stream continues across the Douglass Township boundary. Alex Duncan, 777 Miles Road stated that he is a new resident and stated that there is a large culvert pipe at his property having extreme erosion and is happy to hear the restoration program is taking place; he was told he would be upstream from the Swamp Creek location being discussed. Ross Snook stated that the velocity of the stream should be addressed so that the erosion doesn't continue to happen year after year. This presentation was intended to provide information and the matter will appear on an agenda in the next month or two. Manager Gwynn started that this is a long process and deciding on which option to go with will get the process started and allow for applying for grants and moving forward to meet the requirements. It was noted that shovel ready grants have the best chance of receiving funds.

F) New Hanover United Methodist Church

Manager Gwynn reported on behalf of the United Methodist Church. He mentioned that last year there had been a car show at the church that caused residents to complain. The Township has an ordinance which requires a \$750 application for public events to be submitted. The

church agreed to let the Township know when they have events planned and advised that they have an event scheduled for April 24 and several events coming later in the year. He inquired as to whether the Board may want to change the ordinance to make it simpler for the applicants, but tonight they are looking for direction for the April 24 event and whether they could proceed without a conditional use permit. He said there had never been an issue with events prior to the car show and the church is being proactive. He asked the Board for direction. Manager Gwynn said it is an indoor event and there is adequate parking and that he needs to follow ordinances, but the Board of Supervisors can supersede them. The consensus of the Board was to approve the April 24 event for the church and evaluate the issue at a later time prior to the list of events coming up in the future. Charles Garner Jr. suggested that the ordinance be changed to require a permitting process listing regulations and that Manager Gwynn report to the Board when an event is coming up. The consensus of the Board was that this conditional use permit could be removed from the ordinance and an event permit could be approved at staff level with the Board being advised of events and confirmation that all requirements were or will be met.

#### 4. CONSENT ITEMS

- A) Consider a motion to approve minutes, with the inclusion of the stenographic record regarding Gibraltar Rock #771 and #805, from the meeting on February 22, 2021

Ross Snook **moved** to approve minutes, with the inclusion of the stenographic record regarding Gibraltar Rock #771 and #805, from the meeting on February 22, 2021. Marie Livelsberger **seconded** the motion and it **unanimously carried**.

- B) Consider a motion to approve minutes from the meeting on March 4, 2021

Charles Garner Jr. **moved** to approve minutes from the meeting on March 4, 2021. Boone Flint **seconded** the motion and it **unanimously carried**.

- C) Consider a motion regarding Bills List #4 in the amount of \$391,764.97

Boone Flint **moved** to approve the Bills List #4 in the amount of \$391,764.97. Ross Snook **seconded** the motion and it **unanimously carried**.

- D) Consider a motion to authorize the Finance Department to pay recurring payroll not to exceed the amount of \$140,000 and bills not to exceed the amount of \$15,000 due before the next meeting for the month of April

Marie Livelsberger **moved** to authorize the Finance Department to pay recurring payroll not to exceed the amount of \$140,000 and bills not to exceed the amount of \$15,000 due before the next meeting for the month of April. Boone Flint **seconded** the motion and it **unanimously carried**.

#### 5. BUSINESS ITEMS

- A) Consider a motion regarding the promotion of \_\_\_\_\_ from Corporal to Sergeant in the Police Department in accordance with the Collective Bargaining Agreement

Charles Garner Jr. **moved** to approve the promotion of Office Dekkar Dyas from Corporal to Sergeant in the Police Department in accordance with the Collective Bargaining Agreement. Ross Snook **seconded** the motion and it **unanimously carried**.

- B) Consider a motion regarding the promotion of \_\_\_\_\_ from Patrol Officer A to Corporal in the Police Department in accordance with the Collective Bargaining Agreement

Marie Livelsberger **moved** to approve the promotion of Officer Michael Salvo from Patrol Officer A to Corporal in the Police Department in accordance with the Collective Bargaining Agreement. Charles Garner Jr. **seconded** the motion and it **unanimously carried**.

- C) Consider a motion regarding the hiring of \_\_\_\_\_ for the full-time position of Laborer II beginning at \$19.00 per hour

Ross Snook **moved** to hire George Barreca for the full-time position of Laborer II beginning at \$19.00 per hour. Boone Flint **seconded** the motion and it **unanimously carried**.

- D) Consider a motion regarding a chip seal and fog seal bid from \_\_\_\_\_ in the amount of \_\_\_\_\_ to complete road improvements in accordance with the 2021 Road Maintenance Program

Charles Garner, Jr. **moved** to award a chip seal and fog seal bid from Asphalt Maintenance Solutions, LLC in the amount of \$223,129.47 to complete road improvements in accordance with the 2021 Road Maintenance Program. Marie Livelsberger **seconded** the motion and it **unanimously carried**.

- E) Consider a motion regarding a milling and overlay bid from \_\_\_\_\_ in the amount of \_\_\_\_\_ to complete road improvements in accordance with the 2021 Road Maintenance Program

Boone Flint **moved** to award a milling and overlay bid from General Asphalt Paving Co. in the amount of \$266,741.65 to complete road improvements in accordance with the 2021 Road Maintenance Program. Marie Livelsberger **seconded** the motion and it **unanimously carried**.

- F) Consider a motion regarding a bridge bid from \_\_\_\_\_ in the amount of \_\_\_\_\_ to complete bridge improvements in accordance with the 2021 Capital Improvement Program

Charles Garner, Jr. **moved** to award a bridge bid from CMR Construction, Inc. in the amount of \$190,691 to complete bridge improvements in accordance with the 2021 Capital Improvement Program. Ross Snook **seconded** the motion and it **unanimously carried**.

- G) Consider a motion regarding the preparation and advertisement of a bid to complete infrastructure improvements in accordance with schematic designs as presented by Alloy5 Architecture

Charles Garner, Jr. **moved** to authorize the preparation and advertisement of a bid to complete infrastructure improvements in accordance with schematic designs as presented by Alloy5 Architecture. Marie Livelsberger **seconded** the motion and it **unanimously carried**. It was noted that the salt shed is included in this bid. Randy Galiotto gave a summary of where they are in the process and stated that when the bids go out, they will be due in 30 days to protect from anticipated price increases.

- H) Consider a motion regarding the following items in accordance with the 2021 Budget: to purchase a pick-up truck for the Public Works Department

Charles Garner, Jr. **moved** to approve the purchase of a pick-up truck for the Public Works Department in accordance with the 2021 Budget at a price of \$38,594. Marie Livelsberger **seconded** the motion and it **unanimously carried**.

- I) Consider a motion regarding a settlement agreement regarding the Windlestrae subdivision  
This matter was table until the next monthly meeting.

- J) Consider a motion regarding the proposed 2040 Comprehensive Plan (Public Hearing)

Chairman Zebrowski opened a Public Hearing at 8:47 PM to consider the adoption of the New Hanover Township Comprehensive Plan 2040 drafted by the Montgomery County Planning Commission and Township Planning Commission to replace the Township's existing plan. There being no public comments, Chairman Zebrowski closed the public hearing. Charles Garner Jr. **moved** to adopt the Resolution adopting the Comprehensive Plan as presented. Boone Flint **seconded** the motion and it **unanimously carried**. Barbara Furman of 138 Garrett Drive expressed her concern regarding the increase in the number of homes and was advised that the zoning changes and the Comprehensive Plan will lay out plans to control residential density.

- K) Consider a motion regarding a zoning amendment (Public Hearing)

Chairman Zebrowski opened a Public Hearing at 8:52 PM to consider the adoption of a zoning amendment to eliminate the H-12 Extractive Use since this use is covered elsewhere in the regional plan. Chairman Zebrowski stated that the Pottstown Metropolitan Regional Planning Commission agrees. There being no public comment, the hearing was closed. **Motion** to adopt the Ordinance concerning the H-12 Use as proposed as made by Ross Snook, **seconded** by Boone Flint, and **unanimously carried**.

- L) Consider a motion regarding a zoning amendment (Public Hearing)

Chairman Zebrowski opened a Public Hearing at 8:58 PM to consider the adoption of the Ordinance to modify specific housing types in the TC and TN Districts, citing specific types to remain and specified types to be removed in accordance with State law. Marie Livelsberger **moved** to adopt the ordinance as presented to modify housing types within the TC and TN Districts. Charles Garner **seconded** the motion and it **unanimously carried**.

Question was asked if the TC-TN housing types will retroactively affect the Town Center. Andy Bellwoar stated that applications already submitted, or court ordered, are protected from subsequent changes.

Municipalities Planning Code Section 108 –Mr. Bellwoar explained that Section 108 allows for post adoption advertisement of an ordinance. He explained that the ordinance is advertised twice, and with the second advertisement, it creates a new deadline of 30 days within which one can contest a procedural validity of adopting the ordinance. Without the advertisement one has two years to challenge the procedural validity, so it cuts off effectively any procedural challenges 30 days after the second advertisement date. He recommended that the Board consider a motion to

authorize advertisement of the post adoption advertisement in order to comply with Section 108. Charles Garner Jr. **moved** to authorize the solicitor to prepare an advertisement for Section 108 certification with respect to both ordinance amendments adopted tonight. Ross Snook **seconded** the motion and it **unanimously carried**.

### **PUBLIC COMMENT**

Sharon Hoffman, Sandpiper Court stated that residents in the Windlestrae development are still suffering and that inspections are being done but the same issues are repeatedly showing up in the inspection reports and that the few things which were addressed are falling apart. She said basins are not being cleaned out, that concrete is deteriorating, and feel as though nothing is being done, she's asking for support from the Supervisors.

Rusty Oister of 509 Jays Lane stated that people drive through his property and that trash from the Rolling Meadows development is also blowing across his property. He suggested that the Rolling Meadows property should be fenced to prevent trash from blowing.

Barbara Furman, 138 Garrett Lane referred to the mailing she received from New Hanover Town Center and believes that their proposal for 68 acres of open space and 700+ homes will contribute to the water problem in the Township.

Eric Dunkin of 577 Miles Road stated that he is a new property owner and that his driveway floods and is sometimes under 12 inches of water. He stated that the culvert is rusted out and water comes through the pipe. Ross Snook offered to check on this.

Karl Stuart, 601 Layfield Road commented that he thinks Girl Scout Camp Laughing Waters should be preserved but that Natural Lands Trust is placing a large burden on the Township and suggests they need to pressure other sources the contribute to the cost of the project.

Dan Husted, 130 Crooked Lane asked if the Township expects to get a resolution on the Windlestrae development. Andy Bellwoar said it will be discussed in executive/litigation session.

### **6. BOARD ANNOUNCEMENTS**

Board members wished everyone a Happy Easter. Ross Snook also wished everyone a Happy Easter and stated that the break-aways at the traffic light at Rt 73 & 663 were broken off by the snow plow and that PennDOT's plan is for replacement twice a year; he also encouraged everyone to receive the COVID vaccine.

Charles Garner Jr. commented on the mailers being received with regard to the New Hanover Town Center and that there are overwhelming responses opposing the development.

Kurt Zebrowski called for a recess to convene a litigation meeting at 9:20 PM.

**EXECUTIVE/LITIGATION SESSION**

The regular meeting was reconvened at 10:02 PM. Solicitor Bellwoar stated that February 22<sup>nd</sup> the Board approved Ordinance 21-01 which has now been challenged by an attorney for a developer or developers, and out of an abundance of caution he is requesting that the Board authorize the advertisement and distribution of an ordinance that reaffirms Ordinance 21-01 which deleted the B-2 performance standard as a use permitted by right. Marie Livelsberger **moved** to authorize the advertisement and distribution of an ordinance that reaffirms Ordinance 21-01. Ross Snook **seconded** the motion and it **unanimously carried**.

## 7. ADJOURNMENT

Charles Garner **moved** to adjourn at 10:15. Ross Snook **seconded** the motion and the meeting was declared adjourned.

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Jamie Gwynn, Township Manager/Secretary

## Swamp Creek Stream Restoration Feasibility Study



**NEW HANOVER TOWNSHIP**  
NHT



**Beth Uhler**  
Environmental Project Manager

Board of Supervisors Meeting  
April 1, 2021

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## Pollutant Reduction Plan (PRP) Requirement

**MS4\_STREAMS**

- Impaired Streams
- Unimpaired Streams

**MS4\_URBAN\_AREAS**

**HUC12**



Achieve 10% Sediment Reduction Requirement for Swamp Creek by **January 31, 2024.**

**CEG**

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## Swamp Creek Stream Restoration Feasibility Study

- 1) Assessed Existing Site Characteristics
- 2) Justified the Need for Restoration
- 3) Identified Recommended Restoration Options
- 4) Opinion of Probable Cost to Aid in Financial Planning
- 5) Developed an Overall Design Approach
- 6) Demonstrated MS4 Eligibility
- 7) Anticipated Potential Site Constraints
- 8) Potential Regulatory Requirements
- 9) Estimated Project Timeline
- 10) Primary Grant Funding Sources
- 11) Identified Next Steps



**CEG**

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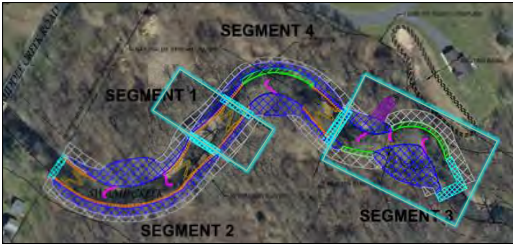
## Existing Site Characteristics & Need for Restoration




**CEG**

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## Recommended Restoration Options & Probable Costs



Segment 1 (100 LF)

- **\$203,400**  
(\$2,030/LF)

Segment 2 (370 LF)

- **\$395,900**  
(\$1,070/LF)

Segment 3 (300 LF)

- **\$413,700**  
(\$1,380/LF)

Segment 4 (260 LF)

- **\$310,400**  
(\$1,190/LF)

**CEG**

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## Overall Design Approach & MS4 Eligibility

Vegetated Geo-grid

Biologs

Cross-Vanes

J-Vanes

Root Wads

Constructed Riffles

Floodplain Benches



**CEG**

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### Potential Site Constraints

1) Tree Removal   2) Stormwater Basin Berm   3) Site Access from Serenity Drive   4) Excess Fill Material

### Regulatory Requirements

Approval Type	Agency
Joint Chapter 105/Section 404 Permit	PA Department of Environmental Protection/U.S. Army Corps of Engineers
Erosion and Sediment Control / NPDES	Montgomery County Conservation District

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### Project Timeline

Project Phase	Approximate Duration
Design and Permitting	9 to 15 months
Apply for and Obtain Grant Funding	6 to 12+ months
Bidding	2 to 3 months
Construction	~3 months
<b>Total:</b>	<b>20 to 33+ months</b>

~2 to 3 YEARS

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### Primary Grant Funding Sources

- PA DEP Growing Greener Plus Program**
  - Maximum award: None
  - Match Requirements: 15%
  - Application and Administration Cost Estimate: \$6,000-\$8,000
- PA Department of Community and Economic Development (PA DCED) Watershed Restoration and Protection Program (WRPP)**
  - Maximum award: \$300,000
  - Match Requirements: 15%
  - Application and Administration Cost Estimate: \$6,000-\$8,000
- National Fish and Wildlife Foundation (NFWF) Delaware River Watershed Restoration (DRWR) Program**
  - Maximum award: Varies- latest round is \$750,000
  - Match Requirements: 50%
  - Application and Administration Cost Estimate: \$6,000-\$8,000

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### Next Steps

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### Select Design Option

Segment 1 (100 LF)	• \$203,400 (\$2,030/LF)
Segment 2 (370 LF)	• \$395,900 (\$1,070/LF)
Segment 3 (300 LF)	• \$413,700 (\$1,380/LF)
Segment 4 (260 LF)	• \$310,400 (\$1,190/LF)

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### QUESTIONS?

**Beth Uhler**  
Environmental Project Manager  
CEDARVILLE Engineering Group, LLC  
buhler@cedarvilleengineering.com  
610-705-4500

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# HOUSEHOLD HAZARDOUS WASTE

## 2020 MONTGOMERY COUNTY PA RESIDENTIAL EVENTS

### By Appointment Only, Preregistration is Required

#### **DATES:**

**Saturday, September 26**

**Spring-Ford 9th Grade Center**

400 South Lewis Rd., Royersford

**Registration Link:**

<https://9-26-2020-royersford-hhw-event.eventbrite.com>

**Saturday, October 3**

**Boyetown Middle School East**

2020 Big Rd., Gilbertsville

**Registration Link:**

<https://10-3-2020-gilbertsville-hhw-event.eventbrite.com>

**SUNDAY, October 11**

**Indian Valley Middle School**

130 Maple Ave., Harleysville

**Registration Link:**

<https://10-11-2020-harleysville-hhw-event.eventbrite.com>

**SUNDAY, October 25**

**Lower Merion Transfer Station**

1300 N. Woodbine Ave., Penn Valley

**Registration Link:**

<https://10-25-2020-pennvalley-hhw-event.eventbrite.com>

Free residential collection events are held outdoors. 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.

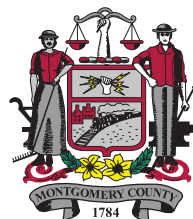
In case of severe weather, call 610.278.3618, option 6 for event status.



Follow us on Facebook at [MontgomeryCountyRecycling](https://www.facebook.com/MontgomeryCountyRecycling).



Pennsylvania Department  
of Environmental  
Protection



MONTCO PA  
RECYCLES



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

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**Montgomery County is working to add more events. Check our website for updates at [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

## COVID-19 GUIDELINES

- Montgomery County events are following state guidelines and public health restrictions.
- Events may only take place during the state's green pandemic phase. Events are CANCELED if Montco is in the state's yellow or red phase as per state requirements.
- Materials must be in the trunk of the car or bed of the truck.
- If you need your gas can or container returned, please tape a note to it stating that you want to keep it.
- You must stay in your car and wear a mask while in the event site.
- You may arrive any time within your registered appointment window.
- Please print out your ticket if possible and place it on your dashboard.
- If you cannot attend the event, please cancel your appointment, as others may be waiting for an opening.

## 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	Road Flares	Fire Extinguishers	Aerosols
Spray Paint	Pesticide		Kerosene	Electric Oil-filled Heaters

## UNACCEPTABLE MATERIALS

Explosives & Ammunition	Electronics/Televisions	Asbestos	Appliances/White Goods
Infectious or Medical Waste	BBQ-Sized Propane Tanks (leave at local exchange sites)	Radioactive Waste	Freon/Refrigerants
Tires	Helium, Welding Gas, Oxygen, CO 2 Cylinders	Unidentified Waste	25- or 50-Gallon Drums
Latex Paint* (Water-Based)	Marine Flares	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

- MATERIALS MUST BE IN THE TRUNK OR BED OF VEHICLE AND WILL NOT BE COLLECTED FROM PASSENGER COMPARTMENT TO MAINTAIN SOCIAL DISTANCING. The only thing in your trunk should be waste for removal.
- Event workers will unload your materials so please remain in your vehicle with your windows up.
- BUSINESSES AND CONTRACTORS WILL BE TURNED AWAY, no commercial/industrial waste accepted.
- Bring all substances in original containers with labels. Items must be identifiable. Do not mix materials.
- 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.
- There are no permanent drop off locations in the region for household hazardous waste, only the listed collections.



# 2021 Montgomery County, PA Household Hazardous Waste Drop-Off Events

***By appointment only, preregistration required***

## **DATES:**

**Saturday, April 24**

**Boyertown Middle School East**

2020 Big Road, Gilbertsville

[Register Here](#)

**Saturday, May 1**

**Indian Valley Middle School**

130 Maple Avenue, Harleysville

[Register Here](#)

**Saturday, May 8**

**Montgomery County Community College**

Enter at 595 Cathcart Road, Blue Bell

[Register Here](#)

**Saturday, June 12**

**Temple University–Ambler Campus**

Enter at 1431 E. Butler Pike, Ambler

[Register Here](#)

**Saturday, June 19**

**Abington Junior High School**

Enter at 2056 Susquehanna Road, Abington

[Register Here](#)

**Saturday, September 25**

**Spring-Ford 9th Grade Center**

400 South Lewis Road, Royersford

[Register Here](#)

**SUNDAY, October 24**

**Lower Merion Transfer Station**

1300 N. Woodbine Avenue, Penn Valley

[Register Here](#)

Free residential collection events are held outdoors. Montco residents may also attend any Household Hazardous Waste event held by Bucks, Chester, Delaware, or Philadelphia Counties.

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.

Contact us at:

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

[recycling@montcopa.org](mailto:recycling@montcopa.org)

610.278.3618



Pennsylvania Department  
of Environmental  
Protection



MONTCO PA  
RECYCLES



MontcoPARecycles.org

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Registration available at  
[MontcoPARecycles.org](http://MontcoPARecycles.org)



Follow us at [MontgomeryCountyRecycling](https://www.facebook.com/MontgomeryCountyRecycling)

MONTGOMERY COUNTY BOARD OF COMMISSIONERS

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

# COVID-19 SAFETY GUIDELINES

- Montgomery County events are following state guidelines and public health restrictions.
- Events may be cancelled based on the status of the pandemic as per state requirements.
- Materials must be in the trunk of the car or bed of the truck or SUV. Leave items at home that are not for the event.
- If you need your gas can or container returned, please tape a note to it stating that you want to keep it.
- You must stay in your car and wear a mask while in the event site.
- You may arrive any time within your registered appointment window.
- Please print out your ticket if possible (or write your name and appointment time on a piece of paper) and place it on your dashboard.
- If you cannot attend the event, please cancel your appointment through [Eventbrite](#) or by contacting [Montco Recycling](#), as others may be waiting for an opening.

## 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, No BBQ Tanks	Road Flares, No Marine Flares	Fire Extinguishers	Aerosols
Spray Paint	Pesticide		Kerosene	Electric Oil-filled Heaters

## UNACCEPTABLE MATERIALS

Explosives & Ammunition	Electronics/Televisions	Asbestos	Appliances/White Goods
Infectious or Medical Waste, Prescription Drugs	BBQ-Sized Propane Tanks (leave at local exchange sites)	Radioactive Waste	Freon/Refrigerants
Tires	Helium Tanks	Unidentified Waste	25- or 50-Gallon Drums
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

- NO TVs, electronics, or appliances will be accepted.
- Event workers will unload your materials so please remain in your vehicle with your windows up.
- **BUSINESSES AND CONTRACTORS WILL BE TURNED AWAY**, no commercial/industrial waste accepted.
- Bring all substances in original containers with labels. Items must be identifiable. Do not mix materials.
- 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.
- There are no permanent drop off locations in the region for household hazardous waste, only the listed collections.



## New Hanover Township

August 4, 2020 · 🌐

Stormwater issues...? If you live in Montgomery View, Hanover Pointe, Windlestrae or Woodfield, send us a photo or two (or videos) showing flooding issues around your property or in your community basins and open spaces.

Send your items to Jamie at [jgwynn@newhanover-pa.org](mailto:jgwynn@newhanover-pa.org) and include your name, address and development. Since these sites are in active development, we will have our construction inspection team assess whether the site has been graded and drainage is working in accordance with the site's approved plan.



6

5 Comments 3 Shares



## Master Watershed Steward Program

[About the Program](#)

[News](#)

[Do You Really Want To Be a Master Watershed Steward?](#)

[County Programs](#)

[Give to the Master Watershed Steward Program](#)

[Contact Us](#)

**Social Media**

[Facebook](#)

[Instagram](#)

[Askamws@psu.edu](mailto:Askamws@psu.edu)

Volunteer  
Management  
System (VMS)

## Montgomery County Master Watershed Steward Program

Montgomery County's Watershed Stewards are active throughout the county and invite you to learn with us in your watershed.

Montgomery County Master Watershed Stewards volunteer for numerous projects including bank pinning, grant writing, implementation of stormwater management programs, tree planting in riparian buffers and communities, building rain gardens, supporting municipal MS4 regulations, citizen scientists for our creeks, volunteering to support local environmental organizations and educating the public.

Montgomery County's next training program will be Spring 2022. A typical calendar for training runs March to June, [apply here](#).

## PA Stormwater BMP Inventory, Assessment, and Mapping Project

Master Watershed Stewards of Montgomery County were awarded a Penn State Extension Science to Practice Grant in October 2020. The purpose:

- Create first ever comprehensive inventory, functionality rating, and GIS map of stormwater BMP controls in Pennsylvania
- Provide essential stormwater BMP education and information to municipalities and other entities for planning and study



Master Watershed Steward Robert Pace on the Perkiomen monitoring erosion with bank pins.

[Link to PA Stormwater Map](#)**Forms:**

- [Stormwater BMP Field Inspection Form](#)
- [Municipal Stormwater BMP Listing Form](#)
- [Environmental Plan Review Guide](#)

**Contact Us:**

- Submit/Email forms: [StormwaterMap@psu.edu](mailto:StormwaterMap@psu.edu)
- Questions for the team or contact Ross Snook: [wrs60@psu.edu](mailto:wrs60@psu.edu)

**Education:**

- [MWS Ross Snook introduces the mapping project and grant](#) (13 min.)
- [How EABs/EACs Can Help Municipalities Inventory & Assess Their Stormwater BMPs](#) with MWS Ross Snook (63 min.)
- [How to Use the Map & How to Begin Assessment](#) with Harry Crissy and MWS Jackie O'Neil (60 min.)
- [How EABs/EACs Can Help Municipalities Protect & Preserve Their Water Resources](#) MWS Ross Snook (41min.)
- [Inspection of MS4 Outfalls](#) Beth Uhler, Cedarville Engineering (30 min.)
- [STORMWATER, What It Is and Why It Matters!](#) Krista Brown, Environmental Protection compliance Specialist PA DEP Southeast Regional Office (46 min.)
- *Coming Soon:* [Water Quality, Storm Water, Trees and Invasive Species: How are they connected?](#) MWS Geoffrey Selling (38 min.)
- [Introduction to Stormwater Management Plan Review in Pennsylvania](#) Eric Konzelmann, Montgomery County Conservation District (60 min.)

## More Montgomery County MWS Links

[Ask a Master Watershed Steward](#)

[Speakers Bureau](#) Master Watershed Stewards and Master Gardeners of Montgomery County

## Contact Information



**Dawn Stelts**

**Extension Educator, Master Watershed Stewards/Master Gardener Coordinator (Montgomery County)**

Email: [dms7301@psu.edu](mailto:dms7301@psu.edu)

Phone: 610-489-4315

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# MS4 Forum for PA Permittees in Chester, Dauphin, Lebanon, and Lancaster Counties

February 17, 2021 — February 18, 2021

## Agenda

Click on the links below to watch the video recordings from the MS4 Forum plenary and breakout sessions. Four BMP case study videos are also posted below. If you have any questions, please send an email to [MS4-PA-Forums@tetrattech.com](mailto:MS4-PA-Forums@tetrattech.com).

### Wednesday, February 17

8-8:30 am	<b>Log on to the virtual platform</b>		
8:30-8:55	<b>Welcome, Platform How-Tos and Best Practices, Purpose and Expected Outcomes</b> ( <i>Michelle Price-Fay, EPA</i> ) <b>See Training page for details about Minimum Control Measure (MCM) requirements</b>		
9-9:50	<b>MCM 1 and 2: Public Education and Outreach/ Public Involvement</b>  <i>Madison Smith (Susquehanna Twp) and Jim Kaiser (PA Turnpike)</i>	<b>MCM 3: Illicit Discharge Detection and Elimination</b>  <i>Brian Davis (Lower Swatara Twp)</i>	<b>MCM 6 Good Housekeeping: Setting Standards for Your Municipality</b>  <i>Tara Hitchens and Charlie Thomas (East Lampeter Twp)</i>
10-10:10	<b>Pollutant Reduction Plan (PRP) Overview, Development, and Planning Processes</b> ( <i>Jamie Eberl, PADEP</i> )		
10:15-10:55	<b>Lessons Learned</b>  <i>Monique Dykman (Londonderry Twp)</i>	<b>Project Schedule and Revision: Easy Tips to Handle Your PRP</b>  <i>Beth Uhler (CEG) and Jamie Gwynn (New Hanover Township)</i>	<b>Project Selection and Development (Projects Can Change)</b>  <i>Jay Snyder (Borough of Ephrata)</i>
11:00-11:30	<b>Overview of Funding Strategies and Lessons Learned</b> ( <i>Ellen Kohler, EFC and Michelle Price-Fay, EPA</i> )		
11:35-12:15 pm	<b>Stormwater Fees</b>  <i>Rebecca Davis (Lower Allen Twp)</i>	<b>Partnerships</b>  <i>Allyson Gibson (Lancaster Clean Water Partners)</i>	<b>Grants</b>  <i>Ellen Kohler (EFC)</i>
12:15-12:30	<b>Parking lot questions, adjournment of day 1, and fill out day 1 survey</b>		

### Thursday, February 18

8-8:10 am	<b>BMP Process – Design to Construction</b> ( <i>Shana Stephens, EPA</i> )
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<p><b>8:15-8:55</b></p>	<p><b>Detention Basin Retrofit</b> <i>Kara Kalupson (RETTEW) and Dennis Groff (Paradise Twp)</i></p> <p><b>Paradise Township Basin Retrofit 2019</b></p>	<p><b>Pequea Creek Stabilization and Restoration at Mill Bridge Campground</b> <i>Tara Hitchens and Charlie Thomas (East Lampeter Twp)</i></p>	<p><b>Urban Tree Canopy BMPs</b> <i>Ryan Davis (Alliance for the Chesapeake Bay)</i></p>
<p><b>9-9:10</b> <b>Asset Management (Mapping and Maintaining BMPs)</b> (<i>Liz Ottinger, EPA</i>)</p>			
<p><b>9:15-9:55</b></p>	<p><b>Asset Management</b> <i>Rich Heineman (PennDOT)</i></p>	<p><b>Mapping</b> <i>Carolyn Hildebrand (West CocalicoTwp)</i></p>	<p><b>Typical BMP Operation and Maintenance</b> <i>Jason Wright (Tetra Tech)</i></p>
<p><b>10-10:15</b> <b>BMP Case Studies</b> (<i>Jessica Martinsen, EPA</i>)</p>			
<p><b>10:20-11:05</b></p>	<p><b>Ephrata</b> <i>Jay Snyder (Borough of Ephrata)</i></p>	<p><b>Murry Ridge Park</b> <i>Andy Stern and Dwayne Steager (West Hempfield Twp)</i></p> <p><b>West Hempfield Township: Murry Ridge Park BMP Implementation and Retrofit Case Studies Video</b></p>	<p><b>Nixon Park</b> <i>Brian Winslow (Brandywine Red Clay Alliance) and John Gaadt (Kennett Area Park Authority)</i></p> <p><b>Brandywine Red Clay Alliance: Red Clay Creek Stream Restoration Project Case Studies Video</b></p>
<p><b>11:10-11:55</b></p>	<p><b>Oxford Riparian Planting</b> <i>Kathryn Cloyd (Oxford Borough Council), Ryan Davis (Alliance for the Chesapeake Bay), Meagan Hopkins-Doerr (Penn State Ext Master Watershed Stewards program), Cory Trego (Chester County Water Resources Authority)</i></p>	<p><b>Sinking Springs</b> <i>Jon Kasitz (RES) and Daryl St. Clair (PennDOT)</i></p> <p><b>Codorus Creek Mitigation Bank Site Case Studies Video</b></p>	<p><b>Manor Twp Retrofits and Bioswale Basin</b> <i>Kara Kalupson (RETTEW) and Mark Harris (Manor Twp)</i></p> <p><b>Manor Township Williamsburg Basin Retrofit Case Studies Video</b></p>
<p><b>12-12:15 pm</b></p>	<p><b>Parking lot questions, forum adjournment, and fill out survey</b></p>		

[PA MS4 Training Resources](#)

The presentations and information offered as part of this MS4 forum are the views and experiences of the organizations presenting. EPA and PADEP do not endorse any one approach or funding strategy. The views and the opinions expressed by the speakers and the speakers' organizations are their own and do not reflect those of the EPA or PADEP. Mention of any commercial enterprise, product, or publication does not indicate an EPA or PADEP endorsement.



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New Hanover Township

16h · 🌐



Hello, HOAs:

Interested in stormwater maintenance? Please see the flyer below and attached, for a free educational stormwater maintenance workshop the Conservation District is hosting on 3/17 for HOAs and their property management companies. Register here:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07ehkvhr5be1f93db2&oseq=&c=&ch=>

*The Bucks, Chester, Delaware & Montgomery County Conservation Districts, in partnership with the Southeast PA RC&D Council, invite you to attend a virtual workshop:*

## Stormwater Maintenance for Homeowners Associations and Property Management Companies

March 17th  
9:00 am - 11:00 am

Free virtual event via ZOOM

### AGENDA TOPICS



- Maintenance to ensure long term functionality of stormwater facilities.
- Stormwater management responsibilities - a legal perspective
- Complying with and terminating your NPDES permit
- Q&A following presentations

### PRESENTERS:

Shannon Healey  
Resource Conservationist, Chester County Conservation District

Jeffery Wert P.E.  
Principal, President, Metz Engineers

Carl N. Wolner, Esquire  
Hamburg, Rubin, Mulin, Maxwell & Lupin, P.C.

Zachary Shearon, P.E.  
Director of Civil Engineering, Shearon Environmental Design

[Register Now](#)

A ZOOM link will be provided via email upon registration



May 21, 2021 at 10:00 A.M.

<https://us02web.zoom.us/j/89377732872?pwd=aEMwRzJkc3czVDdSZFlta0F3aC9wUT09>

**Agenda**

- 1. Introduction J. Snyder
- 2. Approval of Minutes – Recordings used in lieu of minutes J. Snyder
- 3. Treasurer’s Report - K. Truman
- Web Invoice – Catapultweb.com - \$2,400.00 K. Truman
- Coordinator Pay – Sean Halbom - \$600.00
- APMM Sponsorship - \$2600.00
- 4. Training / Legislative Updates –
- DVIT: Mask Guidance following CDC Updated** L. Poole
- Stormwater Management: Probably the Most Annoying Municipal Requirement, Simplified** J. Gwynn
- 5. Data Analyst Update – Lisa Howdyshell
- 6. Old Business
- Salt Bid Award All
- 7. New Business All
- 8. “Good and Welfare” All
- APMM Bylaws Update R. Mellor
- 9. Adjournment All

**Consortium 2020 Officers**

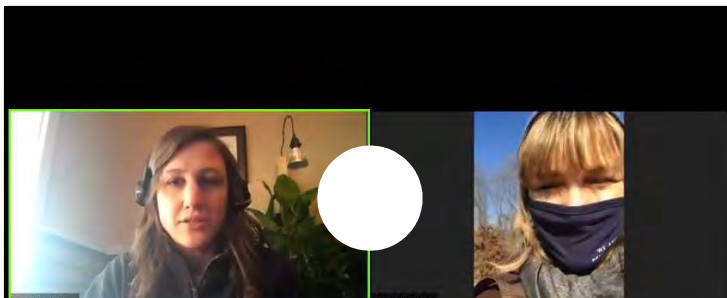
President	Jaime Snyder, Hatfield Borough
Vice-President	John Ernst, Lansdale Borough
Treasurer	Keith Truman, Bridgeport Borough
Training and Development	Brandon Ford, Springfield Township
Legislative Updates	Jamie Gwynn, New Hanover Township
Consortium Coordinator	Sean Halbom, Whitemarsh Township

Sign Up

Join or Log Into Facebook

### Events

Events



-36:50

**JAN 12** **Water Currents: Taking a Closer Look at Stormwater Basins**  
 Public · Hosted by **Penn State Extension Master Watershed Stewards** and **Penn State Extension Renewable Natural Resources Team**

Tuesday, January 12, 2021 at 10:00 AM UNK  
about 5 months ago

Online with Facebook Live

Watch Video

#### Details

Please join Master Watershed Steward Ross Snook and Montgomery County program coordinator Dawn Stelts in New Hanover Township as they demonstrate how to inspect a stormwater basin. Ross and the Montgomery County Stewards were awarded a Science to Practice Grant from Penn State Extension and the College of Agricultural Sciences to work with PSU researchers and map Stormwater BMP's across Montgomery County. This map contains many useful data layers. Continue to check in as the map grows and as the Watershed Stewards of Montgomery County develop worksheets and webinars in support of this tool for our neighbors and townships, we are eager to share this resource with you!

Networking Online Live Video

#### Hosted by



**Penn State Extension Master Watershed Stewards**



**Penn State Extension Renewable Natural Resources Team**

**11 Went · 12 Interested**

Share this event with your friends

English (US) · Español · Português (Brasil) · Français (France) · Deutsch

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# STORMWATER MANAGEMENT PROGRAM PUBLIC INVOLVEMENT & PARTICIPATION



**New Hanover Township**  
Montgomery County, Pennsylvania

2943 North Charlotte Street  
Gilbertsville, PA 19525

*Updated: March 2021*

CEDARVILLE Engineering Group, LLC  
159 E. High Street, Suite 500  
Pottstown, PA 19464  
P: 610-705-4500  
F: 610-705-4900  
[www.cedarvilleeng.com](http://www.cedarvilleeng.com)  
@cedarvilleeng



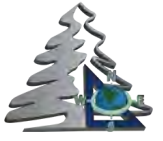
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State Certified DBE/WBE



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## 1. INTRODUCTION

New Hanover Township has developed a Public Involvement and Participation Program (PIPP) as part of the Township’s Stormwater Management Program that will be reviewed annually and updated, as necessary. The PIPP provides a vehicle for the public to participate in the Township’s Stormwater Management Program. Specifically, the PIPP addresses:

- Opportunities for the public to **participate** in the decision-making processes associated with the development, implementation, and update of programs and activities related to the Stormwater Management Program.
- Methods of routine **communication** to groups such as watershed associations and other environmental organizations that operate with the Township.
- Making the Township’s **periodic reports** available to the public on the website, at the Township building, or by U.S. mail upon request.

The PIPP is also designed to comply with New Hanover Township’s National Pollution Discharge Elimination System – Municipal Separate Storm Sewer System (NPDES-MS4) General Permit No. PAG130020 issued by the Pennsylvania Department of Environmental Protection (PA DEP). It was developed based on the Special Conditions listed in the NPDES MS4 Permit (3800-PM-BCW0200e 12/2016). More specifically, it will meet the measurable goals and criteria outlined in Minimum Control Measure (MCM) #2 – Public Involvement/Participation – Best Management Practice (BMP) #1 of the NPDES-MS4 permit. The PIPP is designed to comply with all applicable state and local public notice requirements.

## 2. PUBLIC PARTICIPATION & INVOLVEMENT

The Township encourages public participation and involvement by listening to the public’s concerns and coming up with solutions together. Through this, the Township gains the public’s support and the community will become invested in the program.

Below are ways in which the Township provides opportunities for the public to participate and be involved with the Township’s MS4 program.

**NEW HANOVER TOWNSHIP**  
**BOARD OF SUPERVISORS**  
**FEBRUARY 22, 2021**

New Hanover Township is currently under a disaster declaration related to the COVID-19 pandemic. This meeting will be held at the Township Building (2943 North Charlotte Street, Gilbertsville, PA 19525) and will be limited to the number of persons allowed in accordance with CDC guidelines. Residents are required to wear masks during the meeting. This meeting will be streamed live on Facebook at <https://www.facebook.com/NewHanoverTownship/>.

The regular monthly meeting of the New Hanover Township Board of Supervisors was held at the New Hanover Township municipal building, 2943 North Charlotte Street, Gilbertsville, PA 19525 on February 22, 2021 beginning at 6:30 P.M. Present were Supervisors Kurt Zebrowski, Charles D. Garner, Jr., Marie Livelsberger, Boone Flint and Ross Snoonk. Also present were Township Manager Jamie Gwyan, Solicitor Andrew Bellwoar, Engineer Geoffrey Attanasio, Traffic Engineer Sandy Koza, Danielle Baer, and Eileen Pogany.

### 2.1. New Hanover Township Stormwater Management Ordinance

The Township enacted an ordinance (Ord. 07-07, § 401) on July 23, 2007. The adoption of this ordinance followed the advertising requirements set forth in the Pennsylvania General Assembly Second Class Township Code (1933 Act 69), Section 1601 to provide the opportunity for public review, input, and feedback. The ordinance is available to the public online.



## 2.2. New Ordinances

Notice of the Township's intent to adopt an ordinance will follow the advertising requirements set forth in the Pennsylvania Township Code (1933 Act 69), Section 1601 to provide the opportunity for public review, input, and feedback. A summary of the code and location where copies may be obtained or reviewed will be published in the newspaper no more than 60 days nor less than 7 days prior to ordinance passage. The public hearing in which the proposed ordinances will be decided upon may also be advertised on the Township website. Dates of the notification(s) and feedback from the public regarding the ordinances will be documented.

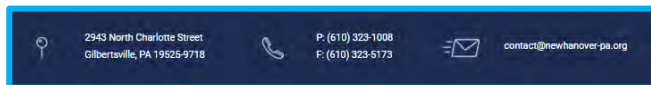
## 2.3. Public Meetings

The Township will primarily solicit public involvement and participation from the target audience groups identified in the Public Education & Outreach Program (PEOP) by presenting information about the Stormwater Management Program at a minimum of one public meeting per permit period (five years).

The meeting can be MS4-specific or any other public meeting where MS4 information is included. The public will be given reasonable notice in advance of each meeting either by posting on the Township website or an acceptable alternative means. The presentation will provide a summary of the Stormwater Management Program's progress, activities, and accomplishments, and solicit feedback from the public. The presentation will be documented and reported to PA DEP in the Annual MS4 Status Report.

## 2.4. Township Website

The Township provides the public with an opportunity to ask questions and share comments regarding the Township's MS4 Stormwater Program via a link on the Township's website. The Township website offers a tab that allows that public to submit "Feedback" along with emailing or calling the Township.



**Feedback**

HOME + RESOURCES + **FEEDBACK**

We would like to hear from you whether is kudos to our staff or service that is needed. Please note that a staff member will communicate with you at our earliest convenience.

Name:

Address:

City or Town:

Zip or Postal Code:

Phone:

Email:

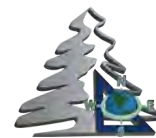
Comments:

I'm not a robot

Submit Cancel

## 2.5. Other Activities

The Township will document and report other instances of public participation and involvement in activities during the reporting period. These activities may include the following:



- Participation in stormwater-related Township activities;
- Presentations to local watershed and/or conservation organizations;
- Educational activities & cleanups;
- Compliance monitoring; and
- Storm drain stenciling.

These activities are optional and not required by the permit. The Township will make an effort to engage the public in these types of activities, pending resource availability.

**TIRE COLLECTIONS**  
**2019 MONTGOMERY COUNTY PA RESIDENTIAL EVENTS**  
**9:00 am – Noon**

WHEN:	WHERE:
<b>Saturday, May 11</b>	<b>Green Lane Park</b> 2258 Green Lane Road, Morrow Pavilion, Green Lane, PA 18024 (near the tennis courts)
<b>Saturday, June 8</b>	<b>Montgomery County Community College</b> 340 OakKnoll Plaza, enter at 1313 Morris Road, Blue Bell, PA 19422 (in the Central Lot, 1D)
<b>Saturday, June 29</b>	<b>Western Montgomery Career and Technology Center</b> 77 Graterford Road, Linerick, PA 19468

The Montgomery County Commissioners authorize these **FREE** events to prevent fires 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

**MONTICO PA RECYCLES**  
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 610.276.3616. Please do not contact the host sites, as they are not affiliated with the events.  
In case of severe weather, call 610.276.3616, option 6 for event status.

MONTGOMERY COUNTY BOARD OF COMMISSIONERS  
Marie A. Abruzzo, MD, MPH, Chair • Kenneth E. Lawrence, Jr., Vice Chair • Joseph C. Galt, Commissioner

**Perkiomen Watershed Conservancy**  
11 April · 🌐

A huge thank you to the 1,170 volunteers who participated in the 2019 Stream Clean-up! Thanks to your efforts we were able to remove a record breaking 1,022 bags of trash, 78 bags of recyclables, 145 tires and 3,620 lbs of scrap metal from 88 sites throughout the watershed! Check out our website to see more photos from the event: [www.perkiomenwatershed.org](http://www.perkiomenwatershed.org)

### 3. COMMUNICATION TO OTHER GROUPS

The Township is a member of the Perkiomen Watershed Conservancy (PWC), a collaboration of municipalities in the Perkiomen watershed, which encompasses four (4) counties (Berks, Bucks, Lehigh and Montgomery), that addresses some of the requirements of the Pennsylvania MS4 permit. The Perkiomen Watershed Conservancy provides content for municipalities that assists in meeting MCM #1 and #2 requirements.

The Township also maintains routine communication with various groups to further shared water quality and environmental protection goals, as detailed in **Table 1** below. The Township also has an Environmental Advisory Board that is able to plan and coordinate MS4-related events and also provides input to the Board of Supervisors on stormwater and MS4 issues.



**Table 1: Cooperative Involvement**

Entity	Description
Perkiomen Watershed Conservancy (PWC)	The PWC is a watershed conservation organization and is the local leader in protecting the environment. The PWC partners with local municipalities to implement the Public Education (MCM #1) and Public Participation (MCM #2) parts of their MS4 Stormwater Program through the conservancy.
New Hanover Township's Environmental Advisory Board (EAB)	The EAB advises the Township regarding numerous environmental issues, including cleanups, educational programs, environmental ordinances. Minutes of EAB Meetings are available to the public on the Township website.
Montgomery County Conservation District (MCCD)	The MCCD works with watershed associations, conservation groups and organizations, municipalities, corporations, and individual landowners to provide assistance in conserving their local watersheds.
Pennsylvania Department of Environmental Protection (DEP)	The DEP's Bureau of Clean Water administers the NPDES permitting and compliance monitoring programs for industrial, municipal, and construction stormwater in Pennsylvania.
Montgomery County	The Township shares Montgomery County hosted events and recycling information on their municipal website to increase public awareness and involvement in the County-hosted pollution reduction events.
Penn State Extension Watershed Stewards	The Penn State Master Watershed Steward program was established to educate and empower volunteers to protect environmental resources. Montgomery County's Stewards program volunteers to support numerous stormwater, environmental, and regulatory projects.



## 4. COMMUNITY EVENTS

The Township regularly hosts a variety of community events and programs including, but not limited to, the following:

- Winter Cheers Food and Wine Tasting
- Easter Egg Hunt
- Fishing Derby
- Fenders and Food Trucks
- Touch a Truck Day
- Fall Frolic
- Halloween Happenings
- Breakfast with Santa



Given the Township’s active engagement with the community, the integration of stormwater-related information into existing events is a viable option for public involvement and participation. Information distribution can be as simple as handing out pamphlets, hosting an event table dedicated to stormwater, or allowing people walking by to put their handprint on a rain barrel (during which time the purpose and benefits of a rain barrel could be discussed).

## 5. ANNUAL GOALS

The specific goals for the PIPP to be completed annually to meet the minimum permit requirements are detailed in **Table 2** below. In addition, New Hanover Township will go above and beyond the permit requirements, as resources allow.

**Table 2: Permit Compliance**

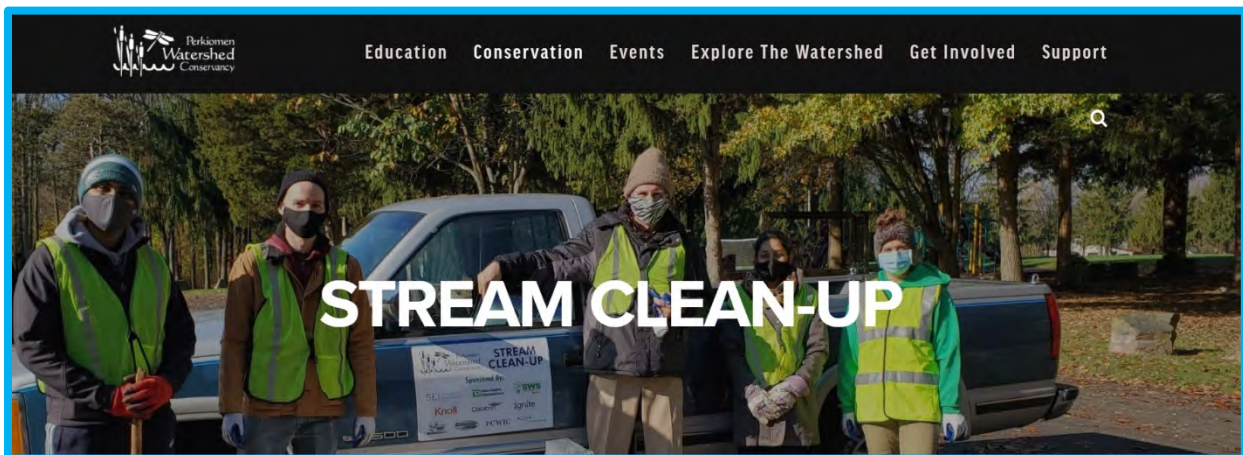
Permit Requirements	Minimum Township Compliance Goal	Above and Beyond Measures
BMP #1: Develop, implement, and maintain a written PIPP that describes various types of participation activities.	The Township has a written PIPP that is reviewed annually and revised, as necessary.	-
BMP #2: The permittee shall advertise and solicit public input for Stormwater Management Ordinances, Standard Operating Procedures (SOPs), and Pollutant Reduction Plans (PRPs).	The Township will advertise and solicit public input for any ordinance or PRP revisions and/or updates.	-



<b>BMP #3: Regularly solicit public involvement and participation from target audience groups to assist the public in their Stormwater Management Program (SWMP) implementation and illicit discharge reporting. The permittee should also document instances of cooperation and public involvement activities.</b>	The Township will regularly solicit public involvement and participation from target audience groups through the following methods: <ul style="list-style-type: none"><li>• The Township will conduct public meeting presentations at a minimum of once per permit period; and</li><li>• The Township will utilize social media to share stormwater-related event information; and</li><li>• The Township will partner with the PWC along with other organizations who host community involvement events (i.e., stream cleanups).</li></ul>	The Township may exceed the minimum requirement by completing annual public meeting presentations and by increasing their implementation of the methods mentioned as resources allow.
---	---	---

## 6. ANNUAL REPORTING AND ACCOMPLISHMENTS

The Township is required to submit Annual Status Reports to PA DEP by September 30<sup>th</sup>. These reports are available to the public by request at the Township Municipal Building. PIPP accomplishments will be reported in the Annual MS4 Status Reports.





# **Annual MS4 Status Report**

## **APPENDIX C**

### **MCM #3 Illicit Discharge Detection and Elimination**

- 1. Dry Weather Outfall Field Screenings**
- 2. Illicit Discharge Detection and Elimination Program (Updated March 2021)**



## Dry Weather Outfall Field Screening

New Hanover Township

NPDES ID: PAG130020

<b>Date:</b> 06/11/2021	<b>Time Inspected:</b> 08:05
<b>Outfall Number:</b> 206	<b>Outfall or Observation Point:</b> Outfall
<b>Lat/Long:</b> -75.60001, 40.28547	<b>Inspector(s):</b> AR
<b>Subwatershed:</b>	<b>Contributing Drainage Area Land Use:</b> Suburban Residential

**Signature:**

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment: No
Open	Concrete		24 inch pipe	
In-stream? No				
<b>Flow present?</b> Yes				
Flow volume description (if present): Trickle				

### 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		65	°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? No

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:

None



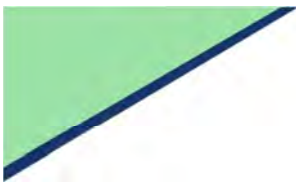
Photograph 1





Photograph 2





## Dry Weather Outfall Field Screening

New Hanover Township  
NPDES ID: PAG130020

Date: 06/11/2021	Time Inspected: 07:58
Outfall Number: 203	Outfall or Observation Point: Outfall
Lat/Long: -75.60004, 40.28517	Inspector(s): JK
Subwatershed:	Contributing Drainage Area Land Use: Open Space

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: Partially
				With sediment: Partially
Open	Concrete		18 inch pipe	
In-stream? No				
<b>Flow present?</b> Yes				
Flow volume description (if present): Trickle				

### 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		65	°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? Yes

Indicator	Present?	Description	Comments
Outfall Damage			
Deposits/Stains			
Abnormal Vegetation		Excessive	
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:

None



Photograph 1





Photograph 2





## Dry Weather Outfall Field Screening

New Hanover Township  
NPDES ID: PAG130020

Date: 06/11/2021	Time Inspected: 08:18
Outfall Number: 209	Outfall or Observation Point: Outfall
Lat/Long: -75.58254, 40.28178	Inspector(s): Jk
Subwatershed:	Contributing Drainage Area Land Use: Suburban Residential

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment: Partially
Open	Concrete		32 pipe	
In-stream? Yes				
<b>Flow present?</b> Yes				
Flow volume description (if present): Trickle				

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

Parameter	Result	Unit	Equipment
<b>Flow #1</b>	Volume	Liter	Bottle
	Time to fill	Sec	
<b>Flow #2</b>	Flow depth	In	Tape measure
	Flow width	Ft, In	Tape measure
	Measured length	Ft, In	Tape measure
	Time of travel	S	Stop watch
<b>Temperature</b>	65	°F	Thermometer
<b>pH</b>		pH Units	Test strip/Probe
<b>Ammonia</b>		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? No

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?	No
2. If yes, collected from:	
3. Intermittent flow trap set?	
4. Flow trap type:	

Any non-illicit discharge concerns?

Notes:

None



Photograph 1





## Dry Weather Outfall Field Screening

New Hanover Township  
NPDES ID: PAG130020

Date: 06/11/2021	Time Inspected: 08:23
Outfall Number: 211	Outfall or Observation Point: Outfall
Lat/Long: -75.58257, 40.28178	Inspector(s): JK
Subwatershed:	Contributing Drainage Area Land Use: Suburban Residential

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment: No
Open	Concrete		48 inch pipe	
In-stream? Yes				
<b>Flow present?</b> Yes				
Flow volume description (if present): Moderate				

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

Parameter	Result	Unit	Equipment
<b>Flow #1</b>	Volume	Liter	Bottle
	Time to fill	Sec	
<b>Flow #2</b>	Flow depth	In	Tape measure
	Flow width	Ft, In	Tape measure
	Measured length	Ft, In	Tape measure
	Time of travel	S	Stop watch
<b>Temperature</b>	65	°F	Thermometer
<b>pH</b>		pH Units	Test strip/Probe
<b>Ammonia</b>		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? No

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?	No
2. If yes, collected from:	
3. Intermittent flow trap set?	
4. Flow trap type:	

Any non-illicit discharge concerns?

Notes:

None



Photograph 1





Photograph 2





## Dry Weather Outfall Field Screening

New Hanover Township  
NPDES ID: PAG130020

Date: 06/29/2021	Time Inspected: 10:39
Outfall Number: 329	Outfall or Observation Point: Outfall
Lat/Long: -75.56811, 40.29395	Inspector(s): Jk
Subwatershed:	Contributing Drainage Area Land Use: Suburban Residential

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment: No
Open				
In-stream? No				
<b>Flow present?</b> No				
Flow volume description (if present):				

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

Parameter	Result	Unit	Equipment
<b>Flow #1</b>	Volume	Liter	Bottle
	Time to fill	Sec	
<b>Flow #2</b>	Flow depth	In	Tape measure
	Flow width	Ft, In	Tape measure
	Measured length	Ft, In	Tape measure
	Time of travel	S	Stop watch
<b>Temperature</b>	90	°F	Thermometer
<b>pH</b>		pH Units	Test strip/Probe
<b>Ammonia</b>		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? Yes

Indicator	Present?	Description	Comments
Outfall Damage			
Deposits/Stains			
Abnormal Vegetation		Excessive	
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:

None



Photograph 1





## Dry Weather Outfall Field Screening

New Hanover Township  
NPDES ID: PAG130020

Date: 06/29/2021	Time Inspected: 10:47
Outfall Number: 331	Outfall or Observation Point: Outfall
Lat/Long: -75.56812, 40.29392	Inspector(s): Jk
Subwatershed:	Contributing Drainage Area Land Use: Suburban Residential

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment: No
Open				
In-stream? No				
<b>Flow present?</b> No				
Flow volume description (if present):				

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

Parameter	Result	Unit	Equipment
<b>Flow #1</b>	Volume	Liter	Bottle
	Time to fill	Sec	
<b>Flow #2</b>	Flow depth	In	Tape measure
	Flow width	Ft, In	Tape measure
	Measured length	Ft, In	Tape measure
	Time of travel	S	Stop watch
<b>Temperature</b>	90	°F	Thermometer
<b>pH</b>		pH Units	Test strip/Probe
<b>Ammonia</b>		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? Yes

Indicator	Present?	Description	Comments
Outfall Damage			
Deposits/Stains			
Abnormal Vegetation		Excessive	
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:

None



Photograph 1





## Dry Weather Outfall Field Screening

New Hanover Township  
NPDES ID: PAG130020

Date: 06/29/2021	Time Inspected: 10:20
Outfall Number: 413	Outfall or Observation Point: Outfall
Lat/Long: -75.56964, 40.28115	Inspector(s): Jk
Subwatershed:	Contributing Drainage Area Land Use: Suburban Residential

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment:
Open	Concrete		24/32	
In-stream? No				
<b>Flow present?</b> No				
Flow volume description (if present):				

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

Parameter	Result	Unit	Equipment
<b>Flow #1</b>	Volume	Liter	Bottle
	Time to fill	Sec	
<b>Flow #2</b>	Flow depth	In	Tape measure
	Flow width	Ft, In	Tape measure
	Measured length	Ft, In	Tape measure
	Time of travel	S	Stop watch
<b>Temperature</b>	90	°F	Thermometer
<b>pH</b>		pH Units	Test strip/Probe
<b>Ammonia</b>		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? Yes

Indicator	Present?	Description	Comments
Outfall Damage			
Deposits/Stains			
Abnormal Vegetation		Excessive	
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:

None



Photograph 1





Photograph 2





## Dry Weather Outfall Field Screening

New Hanover Township

NPDES ID: PAG130020

Date: 06/29/2021	Time Inspected: 10:25
Outfall Number: 416	Outfall or Observation Point: Outfall
Lat/Long: -75.56966, 40.28117	Inspector(s): Jk
Subwatershed:	Contributing Drainage Area Land Use: Suburban Residential

Signature:

### Outfall Description

Pipe Type	Material	Shape	Dimensions (in.)	Submerged
Closed				In water: No
				With sediment: No
Open	Concrete		24/32	
In-stream? No				
<b>Flow present?</b> No				
Flow volume description (if present):				

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

Parameter	Result	Unit	Equipment
<b>Flow #1</b>	Volume	Liter	Bottle
	Time to fill	Sec	
<b>Flow #2</b>	Flow depth	In	Tape measure
	Flow width	Ft, In	Tape measure
	Measured length	Ft, In	Tape measure
	Time of travel	S	Stop watch
<b>Temperature</b>	90	°F	Thermometer
<b>pH</b>		pH Units	Test strip/Probe
<b>Ammonia</b>		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? No

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:

None



Photograph 1





Photograph 2





# **STORMWATER MANAGEMENT PROGRAM ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM**



**New Hanover Township**  
Montgomery County, Pennsylvania

2943 North Charlotte Street  
Gilbertsville, PA 19525

*Updated: March 2021*

CEDARVILLE Engineering Group, LLC  
159 E. High Street, Suite 500  
Pottstown, PA 19464  
P: 610-705-4500  
F: 610-705-4900  
[www.cedarvilleeng.com](http://www.cedarvilleeng.com)  
@cedarvilleeng



Federally Certified 8(a) EDWOSB  
State Certified DBE/WBE



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**Appendix A** Dry Weather Outfall Field Screening Form



## 1. INTRODUCTION

New Hanover Township has developed and is implementing an Illicit Discharge Detection & Elimination (IDD&E) program as part of the Township's Stormwater Management Program. The IDD&E program provides for the detection, elimination, and prevention of illicit discharges into the Municipal Separate Storm Sewer System (MS4).

An illicit discharge is generally any discharge to an MS4 that is not composed entirely of stormwater. Examples of illicit discharges include dumping of motor vehicle fluids, household hazardous wastes, grass clippings, leaf litter, animal wastes, or unauthorized discharges of sewage, industrial waste, restaurant wastes, or any other non-stormwater waste into the sewer system.

The IDD&E program is designed to comply with New Hanover Township's National Pollution Discharge Elimination System - Municipal Separate Storm Sewer System (NPDES-MS4) General Permit No. PAG130020 issued by the Pennsylvania Department of Environmental Protection (PA DEP) and has been updated per the Special Conditions listed in the 2018 PAG-13 NPDES MS4 Permit (3800-PM-BCW0100d 5/2016). More specifically, it will meet the measurable goals and criteria outlined in Minimum Control Measure (MCM) No. 3 - Illicit Discharge Detection & Elimination - Best Management Practice (BMP) #1 of the NPDES MS4 Permit.

The **IDD&E program** includes the following:

- Priority areas;
- Outfall field screening;
- Identifying the source of an illicit discharge;
- Eliminating an illicit discharge;
- Potential for illicit discharges caused by the interaction of sewage disposal systems;
- Gaining access to private properties;
- Program documentation, evaluation, and assessment; and
- Addressing information or complaints received from the public





## 2. NEW HANOVER TOWNSHIP STORMWATER MANAGEMENT ORDINANCE



The Township enacted an ordinance (Ord. 07-07, 7/23/2007, § 401) that fulfills the requirements of the Pennsylvania Act 167 Stormwater Management Plan. This ordinance includes language that prohibits non-stormwater discharges to the MS4 (Article VIII, Section 801).

## 3. PRIORITY AREAS

Priority areas can be defined as areas with a higher likelihood of illicit discharges, illicit connections or illegal dumping. Potential priority areas include outfalls that could be impacted by:

- Concentration of high-risk activities (i.e. commercial/industrial areas, etc.).
- Areas with older infrastructure (i.e. areas that may have deteriorating sewer and/or storm sewer infrastructure that can lead to infiltration problems).
- Areas with a past history of water pollution problems.

### 3.1. PROCEDURES FOR IDENTIFYING PRIORITY AREAS

New Hanover Township has assessed priority areas through identifying specific areas or activities that possess a higher potential for illicit discharges to occur (as referenced in the Permit). If these specific areas or activities exist, then their locations in relation to Township outfalls are reviewed. In New Hanover Township, the following areas or activities were assessed as potential priority areas:

- Commercial/Industrial Land Use,
- Pennsylvania Department of Environmental Protection (PA DEP) Water Contamination Complaints,
- Environmental Protection Agency (EPA) Monitored Sites/Facilities,
- Outfalls with a History of Potential, Suspect or Obvious Illicit Discharges
- Areas with Older Infrastructure.

Outfalls that drain these priority areas within a prescribed proximity should then be screened per the priority area procedures below (Section 4.2). The priority areas with their corresponding sources and associated potential pollutant(s) of concern are identified below in **Table 1** and described further in the subsections below, along with a description of how it was determined which outfalls should be screened per the priority area procedures (herein referred to as “priority area outfalls”).

Outfalls that had the potential to be affected by more than one (1) priority area are determined to be “priority area outfalls” through a desktop review of the outfall distance/criteria stated above and follow the outlined screening



procedures for priority areas outlined in Section 4.2. below. All outfalls associated with EPA Monitored Sites/Facilities and Outfalls with a History of Potential, Suspect or Obvious Illicit Discharge are considered priority area outfalls, due to higher potential for pollution.

The Township’s priority area outfall list is dynamic; outfalls may be added and/or removed as necessary with appropriate professional justification and documentation. Therefore, it is maintained separately from this document. If at any time an illicit discharge is recorded in the Township, the next closest downstream outfall should be considered for the priority area outfall list. Also, if an outfall has flow and an observed potential illicit connection/discharge during a routine dry weather outfall field screening, that outfall should also be considered for the priority area outfall list. If the illicit discharge is an isolated incident and unlikely to occur again, it may not be added as a priority area outfall.

A priority area outfall may be removed from the list if the outfall has not shown any indication of potential illicit discharges/connections during routine screenings for three (3) consecutive years.

**Table 1: Priority Areas and Outfall Determination**

Priority Area	Outfall Distance/Criteria	Main Potential Pollutant(s) of Concern	Source
Commercial/Industrial Land Use	Within Storm Sewershed of Outfall	Heavy metals, toxic chemicals, polychlorinated biphenyl (PCBs)	Montgomery County GIS Parcel Data
PA DEP Water Contamination Complaint	Within 500 feet Downstream	Toxic chemicals, oil, gas	PA DEP eMapPA
EPA Monitored Site/Facility	Downstream Within 500 feet Downstream	Sediment, toxic chemicals	EPA ECHO
Outfalls with a History of Potential, Suspect or Obvious Illicit Discharges	n/a	Pathogens, sediment, nitrogen, phosphorus, organic material, pesticides, herbicides	Previous Dry Weather Outfall Field Screening Reports and/or Township Illicit Discharge Complaint Records
Areas with Old Infrastructure	Within Storm Sewershed of Outfall	Pathogens	Stormwater Infrastructure GIS Mapping

## 4. OUTFALL FIELD SCREENING

### 4.1. DRY WEATHER OUTFALL FIELD SCREENING & TESTING

All outfalls are required to be screened during dry weather at least once during the 5-year permit period. Dry weather is defined as “a continuous time interval without stormwater producing events that immediately follows an initial 48-hour period with no stormwater producing events.” Areas where there have been past problems or



continual dry weather flow documented should be screened annually (refer to Sections 3.1 and 4.2 for Priority Areas).

For outfalls that cannot be accessed due to safety or other reasons, New Hanover Township has established “observation points” at appropriate locations prior to the outfall where outfall field screening shall be performed. These locations are identified on Township stormwater mapping.

The presence of flow in an outfall or observation point during dry weather could indicate a potential illicit discharge. Other potential explanations for the presence of such flow may include infiltrating groundwater or the diversion of a surface stream into the MS4.

If the field screening reveals dry weather (i.e. non-stormwater) flow, the discharge from the outfall and the area around the outfall shall be inspected visually for the following:



### COLOR

Collect a sample of the discharge in a clear test tube or sampling bottle. Note: do not try to assess water color by looking directly into the waterway. Water depth, substrate composition, aquatic plants, and sky conditions can all influence your perception of the water color. See Table 1 to assist in identifying illicit discharge sources based on color.

**Table 1.** Guide to Detecting Potential Sources of Illicit Discharges by Observing Water Color

COLOR	POSSIBLE SOURCES
Tan to light brown	<ul style="list-style-type: none"> <li>Suspended sediments common after rainfall</li> <li>Runoff from construction, roads, agricultural/range land</li> <li>Soil erosion caused by vegetation removal</li> </ul>
Pea green, bright green, yellow, brown, brown-green, brown-yellow, blue-green	<ul style="list-style-type: none"> <li>Algae or plankton bloom - color depends on type of algae or plankton</li> <li>Sewage, fertilizer runoff, vehicle wash water</li> </ul>
Tea/coffee	<ul style="list-style-type: none"> <li>Dissolved or decaying organic matter from soil or leaves. Commonly associated with tree overhangs, woodlands, or swampy areas</li> </ul>
Milky white	<ul style="list-style-type: none"> <li>Paint, lime, milk, grease, concrete, swimming pool filter backwash</li> </ul>
Clear black	<ul style="list-style-type: none"> <li>Caused from turnover of oxygen depleted waters or sulfuric acid spill</li> </ul>
Dark red, purple, blue, black	<ul style="list-style-type: none"> <li>Fabric dyes, inks from paper and cardboard manufacturers</li> </ul>



COLOR	POSSIBLE SOURCES
Orange-red	<ul style="list-style-type: none"><li>• Leachate from iron deposits</li><li>• Deposits on stream beds often associated with oil well operations (check for petroleum odor)</li></ul>
White crusty deposits	<ul style="list-style-type: none"><li>• Common in dry/arid areas or during periods of low rainfall where evaporation of water leaves behind salt deposits</li><li>• Also found in association with brine water discharge from oil production areas (a petroleum odor or an oily sheen may be present along banks)</li></ul>

### Turbidity

High Turbidity can be caused from soil erosion, runoff from a rain event, algae blooms, bottom sediment disturbances by aquatic life and construction or dredging.

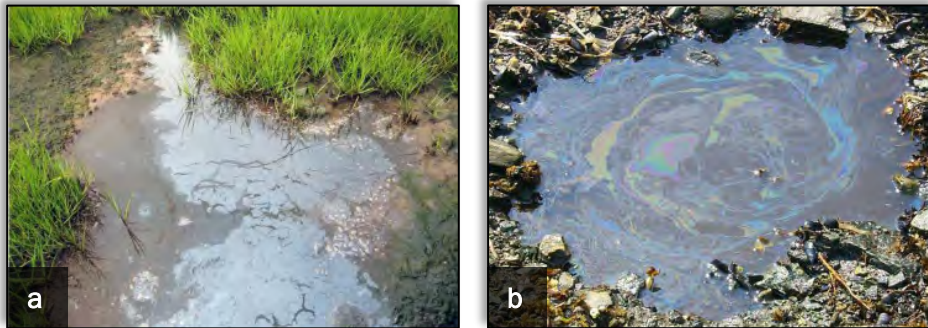
If highly turbid (cloudy) water is observed, make sure to look upstream and downstream to see if anything around the site has changed since the last field inspection. An illicit discharge may be present if a highly turbid flow exists.

Note: to measure turbidity, collect a water sample and use a Secchi tube, turbidity meter, or turbidity comparator in the field sampling kit.



## Sheens, sewage and surface scum

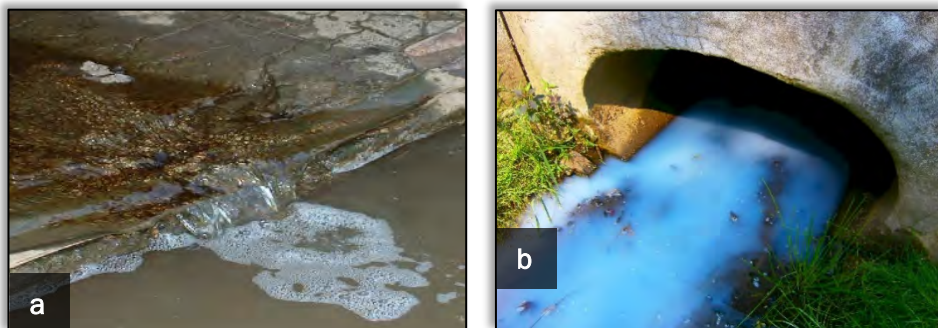
Contaminated flows may contain floatable solids or liquids. Sewage, oil sheen, and suds/foam are examples of floatable indicators. Trash and debris, although more typically known as “floatables,” are not generally indicators of illicit flow. See Figures 1, 2, and 3 for examples.



**Figure 1 - Sheens.** Sheens can be naturally-produced (a) or synthetic; oil sheens are often mistaken for naturally-produced sheen. Sheen from bacteria forms a sheet-like film that breaks if disturbed.



**Figure 2 - Sewage.** A strong organic or sewage-like odor can indicate a sanitary sewer leak or overflow. Indicators of sewage discharge can include (a) sewage fungus and (b) bacteria growth in outfall.



**Figure 3 - Suds.** Suds should be rated based on their foaminess and staying power. Picture (a) shows a low severity, naturally occurring suds. Suds that travel several feet before breaking up should be considered as high severity suds and a possible illicit discharge (b). In some cases, foam and suds can give off an odor. A fragrant or sweet-smelling odor can indicate the presence of laundry water or similar wash waters.



## Odor

Fill sample bottle at least halfway with sample water and hold about six inches away from your nose. Use your free hand to fan the scent to your nose.

Note: never inhale the air directly off the top of a sample as many potential contaminants are harmful to nasal membranes and lung tissue. Make sure that the origin of the odor is at the outfall. Sometimes shrubs, trash, or even spray paint used to mark the outfalls can confuse the nose. See Table 2 to assist in identifying illicit discharge sources based on the water's odor.

**Table 2.** Guide to Detecting Potential Sources of Illicit Discharges by the Odor of Water Sample

ODOR	GENERAL CAUSES
Rotten eggs/hydrogen sulfide (septic)	<ul style="list-style-type: none"> <li>Raw sewage, decomposing organic matter, lack of oxygen</li> </ul>
Chlorine	<ul style="list-style-type: none"> <li>Algae Wastewater treatment plant discharges, swimming pool overflow, industrial discharges</li> </ul>
Sharp, pungent odor	<ul style="list-style-type: none"> <li>Chemicals or pesticides</li> </ul>
Musty Odor	<ul style="list-style-type: none"> <li>Presence of raw or partially treated sewage, livestock waste</li> </ul>
Gasoline, petroleum	<ul style="list-style-type: none"> <li>Industrial discharge, illegal dumping of wastes, wastewater</li> </ul>
Sweet, fruity	<ul style="list-style-type: none"> <li>Commercial wash water, wastewater</li> </ul>

The information above (color, turbidity, odor) can help identify contaminants present in the discharge and/or the likely nature of the discharge (i.e. sanitary, industrial, etc.). If any of the characteristics listed above are observed in the dry weather flow, then samples should be collected for field and/or laboratory testing to determine if the flow is illicit. The parameters indicated in Table 3 may be considered for testing, depending on the results of the field screening:

**Table 3.** Common Water Quality Parameters that Can Serve as Indicators of Presence or Absence of Specific Discharges

WATER QUALITY TEST	ILLICIT DISCHARGE INDICATOR
pH	<ul style="list-style-type: none"> <li>Extreme pH values (low or high) may indicate commercial or industrial flows; not useful in determining the presence of sanitary wastewater</li> </ul>
Conductivity	<ul style="list-style-type: none"> <li>Used to measure total dissolved solids (TDS); TDS can increase as a result of wastewater discharges, irrigation, and overuse of fertilizers</li> </ul>
Bacteria (E. coli bacteria/Fecal Coliform)	<ul style="list-style-type: none"> <li>Can be found in the feces of human and other animals from direct discharge</li> </ul>
Metals	<ul style="list-style-type: none"> <li>Can indicate waste from manufactures/construction/pipes</li> </ul>
Oils	<ul style="list-style-type: none"> <li>Spills and dumping of motor vehicle fluids</li> </ul>
Ammonia	<ul style="list-style-type: none"> <li>Microbial decomposition of animal and plant proteins, sanitary wastewater, raw or partially treated sewage, petroleum refining and chemical industries, synthetic fibers and dyes, drugs, pesticides, and fertilizer</li> </ul>
Surfactants	<ul style="list-style-type: none"> <li>Can indicate a discharge from wash water or laundry</li> </ul>
Chlorine	<ul style="list-style-type: none"> <li>Used to indicate inflow from potable water sources; used as disinfectant in water and wastewater treatment process</li> </ul>
Fluoride	<ul style="list-style-type: none"> <li>Potable water</li> </ul>



Proper quality assurance and quality control procedures should be followed when collecting, transporting, and analyzing water samples.

If an outfall does not have dry weather flow, no testing is required. Observations of each outfall should be recorded each time an outfall is screened, regardless of the presence of dry weather flow. If an outfall has dry weather flow, but it can be ascertained that it is from a naturally occurring source (i.e. groundwater, etc.), sampling may not be required.

The physical condition of an outfall can provide strong clues about the history of discharges passing through it. Over time, intermittent discharges can cause outfall damage (Figure 4) or leave behind remnants in the form of deposits or stains which can help an inspector determine what type of discharge traveled through the area. Field inspectors should document that a deposit or stain is present even if there is no dry weather discharge observed.



**Figure 4.** Outfall pipe damage (could indicate the presence of contaminated discharges).

All outfall screening information should be recorded on either the New Hanover Township Illicit Discharge Field Screening Program Data Collection Form or the PA DEP MS4 Outfall Field Screening Report (see Appendix A for both forms). Adequate written documentation is required to justify a determination that a dry weather flow is not illicit.

The results of the outfall field screenings, any water testing, and any actions taken to remove or correct illicit discharges should be summarized in the Annual MS4 Status Reports required as part of the NPDES MS4 Permit and submitted to PA DEP.

#### 4.2. SCREENING PROCEDURES IN PRIORITY AREAS

The procedure for screening priority area outfalls should follow the procedure for routine dry weather outfall field screening described in Section 4.1 and per the NPDES MS4 Permit requirements.

The main difference between the procedures for screening outfalls in priority areas and general outfall screening is frequency. Priority area outfalls should be screened **annually**. All other outfalls are only required to be screened once per five (5) year permit period.

If it is confirmed that an outfall has an illicit discharge through sampling, measures should be taken to eliminate the discharge through the compliance and enforcement process as outlined in the IDD&E Program. In addition, a sampling program should be developed to monitor the illicit discharge at a particular outfall(s) for a specific pollutant(s). This may include dry and wet weather sampling at an established frequency until it



can be ascertained that the issue has been resolved. This program should be developed in consultation with PA DEP.

## 5. IDENTIFYING THE SOURCE OF AN ILLICIT DISCHARGE

Once an illicit discharge has been discovered, various methods can be used to pinpoint the exact source of the discharge. These techniques, many of which are already used by municipal sewer departments, include manhole observation, video inspection, smoke testing, dye testing, aerial infrared and thermal photography, and tracking illegal dumping. Refer to Table 4 below for the list of techniques that may be used to identify the source of an illicit discharge.

**Table 4: Techniques to Identify Sources of Illicit Discharges**

TECHNIQUE	BACKGROUND	ADDITIONAL INFORMATION
<b>MANHOLE/INLET OBSERVATIONS</b>	A key tracing technique is to follow dry weather flows upstream along the conveyance system to bracket the location of the source. This should be attempted prior to implementing the other techniques below.	<ul style="list-style-type: none"> <li>• Consult the drainage system map.</li> <li>• Check the next upstream manhole with a junction to see if there is evidence of discharge. It may be helpful to sample each manhole that has a discharge.</li> <li>• Repeat these steps until a junction is found with no evidence of discharge; the discharge source is likely to be located between the junction with no evidence of discharge and the next downstream junction.</li> </ul>
<b>AERIAL INFRARED AND THERMAL PHOTOGRAPHY</b>	Aerial infrared and/or thermal photography can be used to locate illicit discharges from outfalls and failing septic systems using temperature and vegetation as markers. This technique requires knowledge of aerial photo interpretation but can easily be reviewed for any and all illicit discharges and should be a routine step in tracking sources (primarily in the detection of failing septic systems contributing to an illicit discharge).	<ul style="list-style-type: none"> <li>• For outfalls:               <ul style="list-style-type: none"> <li>○ Note if discharge has a higher temperature than that of the stream.</li> <li>○ Note if algae growth is concentrated near an outfall.</li> </ul> </li> <li>• For potentially failing septic system:               <ul style="list-style-type: none"> <li>○ Note evidence of increased moisture in surrounding soil.</li> <li>○ Observe vegetation located close to the potentially failing septic system and note any increase in vegetation compared to the surrounding area.</li> </ul> </li> </ul>
<b>VIDEO INSPECTION</b>	This technique is time-consuming and expensive but thorough and usually definitive, and it does not require the intrusion on members of the public that some of the other methods do.	<ul style="list-style-type: none"> <li>• Mobile video cameras can be guided remotely through storm sewer lines to observe possible illegal connections into storm sewer systems and record observations electronically. Township staff can observe the videos and note any visible illegal connections.</li> </ul>
<b>SMOKE TESTING</b>	This technique involves injecting non-toxic smoke into storm sewer lines and then noting the emergence of smoke from sanitary sewer vents in illegally connected buildings or from cracks and leaks in the storm sewer lines.	<ul style="list-style-type: none"> <li>• The injection is accomplished by placing a smoke bomb in the storm sewer manhole below ground and forcing air in after it. Smoke-generating machines can also be used. Test personnel should be stationed at points of suspected illegal connections or cracks/leaks, noting any escape of smoke (indicating an illicit connection or damaged storm sewer infrastructure).</li> <li>• Prior to performing this test, it is necessary to inform building owners and occupants in the area in advance. It is also advisable to inform the police and fire departments. For a more thorough smoke-test program, the sanitary sewer lines can also be smoked. For houses that do not emit smoke during either the sanitary sewer or the storm sewer system tests, sewer gas may be venting inside, which is hazardous. Interviews with various IDDE program staff suggest that the smoke-test method is more effective in infiltration/inflow investigations of the</li> </ul>



TECHNIQUE	BACKGROUND	ADDITIONAL INFORMATION
		<p>sanitary sewer system than in detecting illegal connections to the storm sewer system.</p> <ul style="list-style-type: none"> <li>Smoke may cause minor irritation of respiratory passages; residents with respiratory conditions should receive special attention to determine if it is safe for them to be present for the testing. Smoke testing is typically used to survey an area all at once, in contrast to dye testing, which tests one building at a time.</li> </ul>
<b>DYE TESTING</b>	<p>This technique involves flushing non-toxic dye into toilets, sinks, or other suspected illicit discharge sources and observing storm sewer and sanitary sewer manholes and storm sewer outfalls for the presence of the dye.</p>	<ul style="list-style-type: none"> <li>Prior to performing this test, it is necessary to inform building owners and occupants in advance and gain permission for entry. Local public health and state water quality staff should also be notified so that they will be prepared to respond to citizens calling about any dye observed in surface waters.</li> <li>To perform the test, a crew of two or more people (ideally, all with two-way radios) is required. One person is inside the building; the others are stationed at the appropriate storm sewer and sanitary sewer manholes (which should be opened) and/or outfalls. The inside person drops dye into a plumbing fixture (i.e., toilet or sink) and runs a sufficient amount of water to move the dye through the plumbing system. The inside person then radios to the outside crew that the dye has been dropped, and the outside crew watches for the dye in the storm sewer and sanitary sewer, recording the presence or absence of the dye.</li> <li>The test is relatively quick (about 30 minutes per test), effective (results are usually definitive), and cheap. Dye testing is best used when the likely source of an illicit discharge has been narrowed down to a few specific houses or businesses.</li> </ul>
<b>TRACKING ILLEGAL DUMPING</b>	<p>Developing a coordinated system for collecting and tracking reports of illegal dumping can help pinpoint this difficult-to-find source of illicit discharges.</p>	<ul style="list-style-type: none"> <li>Illegal dumping can be tracked by: <ul style="list-style-type: none"> <li>Creating a hotline that can be used to report any illegal-dumping behavior (i.e., who illegally dumped and where illegal dumping occurred).</li> <li>Observing the materials that have been illegally dumped and trace the potential sources of the materials.</li> <li>Noting where dumping occurs most often, record patterns of time of day and day of the week and note common responsible parties.</li> </ul> </li> </ul>

## 6. ELIMINATING AN ILLICIT DISCHARGE

Because there are various sources of illicit discharges to the storm sewer system, there are different kinds of actions that may have to take to remove those sources and prevent future illicit discharges, including:

- ✓ Voluntary compliance;
- ✓ Enforcement;
- ✓ Proper construction and maintenance of MS4s; and
- ✓ Responding to and preventing illegal dumping.

Typically, the process of eliminating an illicit discharge should be pursued in a graduated manner. The Township should begin with efforts to obtain voluntary compliance and escalate to increasingly severe enforcement actions if compliance is not obtained.



### 6.1. VOLUNTARY COMPLIANCE

The responsible party may be unaware of the existence of illegal connections between their buildings and the storm sewer systems or other illicit discharge. Because of this, in most cases, the Township should first seek voluntary compliance by providing the responsible party with following information:

- Inform them of the presence of the connection or other violation;
- Environmental consequences of their illicit discharge;
- Applicable regulations; and
- How to remedy it.



### 6.2. ENFORCEMENT

In the event that voluntary compliance cannot be secured, the Township may pursue enforcement action by taking the following steps in consultation with the Township Solicitor:

- Send the property owner a Notice of Violation (NOV), which may require the violator to take steps such as monitoring, elimination of an illicit connection or discharge, or payment of a fine.
- The person receiving the NOV may appeal it.
- If the person receiving the NOV does not appeal or loses the appeal and fails to correct the violation, the Township may “take any and all measures necessary to abate the violation and/or restore the property.” The Township then may require reimbursement from the violator for the cost of the abatement, including administrative costs.
- The Township may also seek an injunction against the violator “restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.”

As much as possible, the Township will seek to gain compliance by enforcement of the stormwater ordinance. However, in some cases it may be necessary to seek additional enforcement action from state or federal authorities. Depending on the nature of the illicit discharge, the jurisdictional agencies may include one or more of the following:

- PA DEP
- Montgomery County Conservation District (MCCD)
- Pennsylvania Fish and Boat Commission (PFBC)
- U.S. EPA

Involvement of state or federal authorities may also be necessary if the source of an illicit discharge is located outside of the Township’s boundaries.



### 6.3. PROPER CONSTRUCTION AND MAINTENANCE OF MS4s

Contamination can infiltrate into a cracked or leaking MS4 from leaking sanitary sewer pipes, failing septic systems, or contaminated groundwater. To help prevent this, both MS4s and sanitary sewer systems should be inspected periodically and maintained properly to keep them in good repair. Inspection and maintenance of MS4s is required through MCM #6 Pollution Prevention and Good Housekeeping and documented in the Township's Operations and Maintenance for Municipal Operations and Facilities Program. Annual review and update of the MS4 mapping and sanitary sewer system mapping is integral in preventing and addressing infrastructure deficiencies.

### 6.4. EDUCATIONAL OUTREACH

The Township will provide educational outreach concerning IDD&E program to the target audiences identified in the Public Education and Outreach Program (PEOP) through the methods outlined in the PEOP (and below), in order to help detect, eliminate, and prevent illicit discharges.

The Township is required to establish and promote a stormwater pollution reporting mechanism (e.g., a complaint line with message recording) for the public to use to notify the Township of illicit discharges, illegal dumping, or outfall pollution. The Township utilizes the main phone line for the Township Building for illicit discharge complaints. This is publicized on the stormwater page on the Township website. Refer to Section 9 below for details on responding to complaints received.

Methods of educational outreach are detailed below.

#### Educational Outreach Methods

- Educating the target audience about the environmental and legal consequences of illegally disposing of waste into the storm sewer system through the Township website, brochures, posters, etc.
- Publish a pamphlet with IDD&E educational information to be distributed with the issuance of building permits;
- Programs to encourage and facilitate public reporting of illicit discharges;
- Publicizing ways for citizens to properly dispose of waste (i.e. used oil recycling and household hazardous waste collections);
- Outreach to business sectors that handle hazardous materials and/or have a history of illegal-dumping problems; outreach should include information on Best Management Practices for spill prevention and proper waste disposal;
- Surveillance of known illegal-dumping locations;
- Providing opportunities for volunteers to get involved in preventing and reporting illegal dumping;
- Storm drain stenciling;
- Visual outfall inspections; or
- Training of Township employees, police officers, and other local entities on IDD&E.



## 7. PRIVATE PROPERTIES

Mechanisms for gaining access to private properties for outfall field screening, water quality testing, tracking illicit discharges, etc. will be pursued on a case-by-case basis, as needed. Some mechanisms for gaining access include notification letters, land easements, consent agreements, or search warrants. The Township's Stormwater Management Ordinance Enforcement and Penalties, Article IX, includes language that describes the Township's right of entry to properties, as necessary, to conduct monitoring and/or sampling of discharges from stormwater facilities. The Township Solicitor should be consulted regarding appropriate measures to be taken for access to private properties in each situation.

## 8. PROGRAM DOCUMENTATION, EVALUATION, & ASSESSMENT

All outfall field screening, water quality testing, illicit discharges, and related correspondence should be thoroughly documented and submitted to PA DEP with each progress report. Incident locations should be tracked and statistics (i.e. annual cleanup costs, facility compliance, arrests, convictions, fines, complaints) compiled.

The program will be evaluated and assessed annually and revised as necessary to improve upon the effectiveness of illicit discharge detection and elimination within the Township.

### 8.1. ANNUAL GOALS

The Township's goals each year is to implement and enforce an IDD&E program with the following goals:

ANNUAL GOALS
<ol style="list-style-type: none"><li>1. <b>Implement and review</b> the IDD&amp;E program and update, as necessary.</li><li>2. Review and update the <b>MS4 mapping</b>, as necessary, to contain:<ol style="list-style-type: none"><li>a. Municipal boundary</li><li>b. Urbanized area</li><li>c. Location of all outfalls</li><li>d. Observation points (if applicable)</li><li>e. Surface waters</li><li>f. Entire municipal storm sewer collection system (including privately-owned components when the MS4 drains into it)</li></ol></li><li>3. Complete <b>dry weather field screening</b> on all outfalls once per five (5)-year permit period.</li><li>4. Enact a <b>Stormwater Management Ordinance</b> to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the MS4 (completed).</li><li>5. <b>Provide educational outreach</b> to target audiences regarding the program to detect and eliminate illicit discharges.</li></ol>



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## 9. ADDRESSING INFORMATION OR COMPLAINTS RECEIVED FROM THE PUBLIC

Members of the public may report environmental complaints including illegal dumping, spills and suspicious discharges to the Township by calling the Township Office at 610-323-1008. If it is after regular business hours, illicit discharges may be reported by contacting the Police Department. This information is located on the stormwater page of the Township website. Residents may also submit a form online relating to stormwater issues through the provided email address on the Township website (contact@newhanover-pa.org). Township staff that receive these calls and requests are trained to direct them to the appropriate personnel.

Responses to complaints should be in a timely and appropriate manner. Investigative responses will range from a site visit that fails to confirm a problem to full scale advanced investigation to identify the source of the illicit discharge. When responding to complaints, staff will follow the protocols listed in Sections 4 and 5. Responses, the action taken, the time required to take the action, whether the complaint was resolved, and any other coordination should be documented and reported to PA DEP each year in the Annual MS4 Status Report.

## 10. REFERENCES

Center for Watershed Protection & Robert Pitt. October 2004. Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments.


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North Central Texas Council of Governments (NCTCOG). 2011. Illicit Discharge Detection & Elimination (IDDE) Field Investigation Guide.


[http://www.nctcog.org/envir/seecclean/stormwater/program-areas/illicit-discharge/documents/IDDEFieldGuide\\_Final.pdf](http://www.nctcog.org/envir/seecclean/stormwater/program-areas/illicit-discharge/documents/IDDEFieldGuide_Final.pdf)



**APPENDIX A**  
**Dry Weather Outfall Field  
Screening Forms**

## Outfall Field Screening Survey123 Form

Location:

 40°15'N 75°39'W ± 108 m



Outfall Number:

Outfall or Observation Point:

- Outfall  
 Observation Point

Condition:

- Dry Weather  
 Wet Weather

Subwatershed:

Date:

 Friday, April 10, 2020

Time:

 3:31 PM

Inspectors:

CEG

## Outfall Field Screening Survey123 Form

Land Use in Drainage Area:

- Suburban Residential  
 Industrial  
 Open Space  
 Commercial  
 Ultra-Urban Residential  
 Agricultural  
 Institutional  
 Other

Pipe Type:

- Open  
 Closed

Submerged in Water

- No  
 Partially  
 Fully

With Sediment:

- No  
 Partially  
 Fully

In-Stream:

- Yes  
 No

Flow Present?

- Yes  
 No



## Outfall Field Screening Survey123 Form

Flow Description:

- Trickle
- Moderate
- Substantial

### ▽ Flow #1

Volume:

Time to Fill:

### ▽ Flow #2

Flow Depth:

Flow Width:

Measured Length:

Time of Travel:

Temperature:

pH:



## Outfall Field Screening Survey123 Form

Ammonia:

### ▽ Physical Indicators for Flowing Outfalls

Physical Indicators Present in Flow?

- Yes
- No

Color:

- Clear
- Green
- Brown
- Orange
- Gray
- Red
- Yellow
- Other

Color Severity:

- Faint colors in sample bottle
- Clearly visible in sample bottle
- Clearly visible in outfall flow

Odor:

- Sewage
- Sulfide
- Rancid/sour
- Petroleum/gas
- Other

Odor Severity:

- Faint



## Outfall Field Screening Survey123 Form

Odor Severity:

- Faint
- Easily detected
- Noticeable from a distance

Turbidity Severity:

- Slight Cloudiness
- Cloudy
- Opaque

Floatables:

- Sewage
- Petroleum
- Suds
- Other

Floatables Severity:

- Few/slight
- Some
- Origin Clear

Are any Physical Indicators Present?

Outfall damage, stains, vegetation, etc.

- Yes
- No

Characterization:

- Unlikely
- Potential (2+ indicators)
- Suspect (1+ indicators with high severity)
- Obvious

Sample for Lab?

## Outfall Field Screening Survey123 Form

Are any Physical Indicators Present?

Outfall damage, stains, vegetation, etc.

- Yes
- No

Characterization:

- Unlikely
- Potential (2+ indicators)
- Suspect (1+ indicators with high severity)
- Obvious

Sample for Lab?

- Yes
- No

Any non-illicit discharge concerns?

Photograph 1:

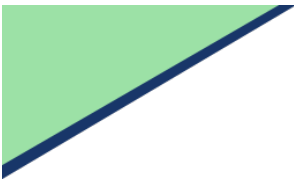


Photograph 2:



Photograph 3:





## Dry Weather Outfall Field Screening

NPDES ID:

<b>Date:</b>	<b>Time:</b>
<b>Number:</b>	<b>Outfall/Observation Point:</b>
<b>Lat/Long:</b>	<b>Inspector(s):</b>
<b>Subwatershed:</b>	<b>Land Use:</b>

### Outfall Description

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

### Quantitative Characterization

(field data for flowing outfalls)

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

### 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?



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**Photograph 1**

**Photograph 2**

**Photograph 3**



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name:	NPDES Permit No.: PA
Date of Inspection:	Outfall ID No.:
Land Uses in Outfall Drainage Area (Select All):  <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential  <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential  <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: _____° _____' _____"
	Longitude: _____° _____' _____"
	Dry Weather Inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation:
	Amount of Previous Precipitation: _____ in
Inspector Name(s):	Were Photographs Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No  
 If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**RESPONSIBLE OFFICIAL CERTIFICATION**

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

Responsible Official Name \_\_\_\_\_ Signature \_\_\_\_\_

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



# **Annual MS4 Status Report**

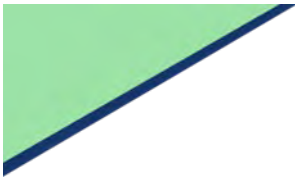
## **APPENDIX D**

### **MCM #5 Post Construction Stormwater Management**

- 1. PCSM BMP Inventory**
- 2. PCSM BMP Inspection Form**

BMP Number	BMP ID	BMP Type	Site	BMP Address	Property Owner	Responsible Party
1	1A	Retention Basin	Fun-E-Farm, LLC	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1B	Rain Garden/Bio-Retention	Fun-E-Farm, LLC.	2488 Church Road	FEF, LLC.	FEF, LLC.
1	1B1	Rain Garden/Bio-Retention	Fun-E-Farm, LLC.	2488 Church Road	FEF, LLC.	FEF, LLC.
1	1C	Protected Sensitive Features	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1C1	Protected Sensitive Features	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1D	Revegetation Area	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1E	Vegetated Swale	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1F	Soils Amendment and Restoration	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1F1	Soils Amendment and Restoration	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1G	Disconnection from Storm Sewers	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1G1	Disconnection from Storm Sewers	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1G2	Disconnection from Storm Sewers	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1G3	Disconnection from Storm Sewers	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1G4	Disconnection from Storm Sewers	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
1	1G5	Disconnection from Storm Sewers	Fun-E-Farm, LLC.	3488 Church Road	FEF, LLC.	FEF, LLC.
18	18A	Detention Basin	Windlestrae	Tulip Lane, Gilbertsville, PA 19525	East Mabel Investments Llc	Windlestrae Community Master Association, c/o Camco Mangement Company
18	18A1	Detention Basin	Windlestrae	Tulip Lane, Gilbertsville, PA 19525	East Mabel Investments Llc	Windlestrae Community Master Association, c/o Camco Mangement Company
18	18A2	Detention Basin	Windlestrae	Tulip Lane, Gilbertsville, PA 19525	East Mabel Investments Llc	Windlestrae Community Master Association, c/o Camco Mangement Company
18	18A3	Detention Basin	Windlestrae	Dotterer Road	WINDLESTRAE INVESTMENT LLC	Windlestrae Community Master Association, c/o Camco Mangement Company
18	18A4	Detention Basin	Windlestrae	Wrenfield Lane	WINDLESTRAE INVESTMENT LLC	Windlestrae Community Master Association, c/o Camco Mangement Company
18	18B	Porous Pavement	Windlestrae	Tulip Lane	WINDLESTRAE INVESTMENT LLC	Windlestrae Community Master Association, c/o Camco Mangement Company
20	20A1	Rain Garden	Country Meadows	201/203 Peter Lane	PACITTO DAVID B & ANTONIA/ONDARZA SHANE JARED & JOHNSTON HEATHER L	Neighborhood HOA
20	20A2	Rain Garden	Country Meadows	205 Peter Lane	WINNEBERGER STEPHEN J & JENNIFER M	Neighborhood HOA
20	20A3	Rain Garden	Country Meadows	207 Peter Lane	MCDANIEL DENISE R	Neighborhood HOA
20	20A4	Rain Garden	Country Meadows	207/209 Peter Lane	MCDANIEL DENISE R/ROBERTSON JONATHAN V & COLON DEVORAH E	Neighborhood HOA
20	20A5	Rain Garden	Country Meadows	101 Fox Lane	MOYER TERRY A & KAREN F/EGOLF SCOTT B & LINDA T	Neighborhood HOA
20	20A6	Rain Garden	Country Meadows	103/105 Fox Lane	MCGAVIN PHILLIP H & ROSEMARY/	Neighborhood HOA
20	20A7	Rain Garden	Country Meadows	107/109 Fox Lane	PETTINE BARTHEL B & CHRISTINE R/HARVEY WILLIAM K & WHITE-HARVEY LORI A	Neighborhood HOA
20	20A8	Rain Garden	Country Meadows	209/211 Qual Drive	GINER MARK F & CYNTHIA A/MURPHY PATRICK JULIAN	Neighborhood HOA
20	20A9	Rain Garden	Country Meadows	211/213 Qual Drive	MURPHY PATRICK JULIAN/BARNDT KEVIN M & CARR PAMELA L	Neighborhood HOA
20	20B1	Infiltration Berm	Country Meadows	2939 Dotterer Road	KLEINBACH KEITH K & KLEINBACH DALE M &	Neighborhood HOA
20	20B2	Infiltration Berm	Country Meadows	108 Fox Lane	STANCICK ASHLEY L & DERRICK R	Neighborhood HOA
20	20B3	Infiltration Berm	Country Meadows	206 Peter Lane	HAZEL MARY E	Neighborhood HOA
20	20C1	Underground Detention Basin	Country Meadows	203 Peter Lane	ONDARZA SHANE JARED & JOHNSTON HEATHER L	Neighborhood HOA
20	20C2	Underground Detention Basin	Country Meadows	207 Peter Lane	MCDANIEL DENISE R	Neighborhood HOA
20	20C3	Underground Detention Basin	Country Meadows	209 Peter Lane	ROBERTSON JONATHAN V & COLON DEVORAH E	Neighborhood HOA
20	20C4	Underground Detention Basin	Country Meadows	105 Fox Lane	EGOLF SCOTT B & LINDA T	Neighborhood HOA
20	20C5	Underground Detention Basin	Country Meadows	109 Fox Lane	HARVEY WILLIAM K & WHITE-HARVEY LORI A	Neighborhood HOA
20	20C6	Underground Detention Basin	Country Meadows	110 Fox Lane	TYLER BRIAN B & TABITHA L	Neighborhood HOA
20	20C7	Underground Detention Basin	Country Meadows	213 Qual Road	BARNDT KEVIN M & CARR PAMELA L	Neighborhood HOA
20	20C8	Underground Detention Basin	Country Meadows	214 Qual Road	COCCIE KATHLEEN M & LAVIN THOMAS M	Neighborhood HOA
20	20D1	Inlet Snout/Oil-Grit Separator	Country Meadows	Qual Road	Road ROW	Neighborhood HOA
20	20D2	Inlet Snout/Oil-Grit Separator	Country Meadows	Fox Lane	Road ROW	Neighborhood HOA
20	20D3	Inlet Snout/Oil-Grit Separator	Country Meadows	Fox Lane	Road ROW	Neighborhood HOA
20	20D4	Inlet Snout/Oil-Grit Separator	Country Meadows	Qual Drive	Road ROW	Neighborhood HOA
20	20D5	Inlet Snout/Oil-Grit Separator	Country Meadows	Fox Drive	Road ROW	Neighborhood HOA
20	20D6	Inlet Snout/Oil-Grit Separator	Country Meadows	Peter Lane	Road ROW	Neighborhood HOA
20	20D7	Inlet Snout/Oil-Grit Separator	Country Meadows	Peter Lane	Road ROW	Neighborhood HOA
20	20D8	Inlet Snout/Oil-Grit Separator	Country Meadows	Peter Lane	Road ROW	Neighborhood HOA
20	20D9	Inlet Snout/Oil-Grit Separator	Country Meadows	Peter Lane	Road ROW	Neighborhood HOA
20	20D10	Inlet Snout/Oil-Grit Separator	Country Meadows	213 Qual Drive	BARNDT KEVIN M & CARR PAMELA L	Neighborhood HOA
20	20D11	Inlet Snout/Oil-Grit Separator	Country Meadows	Dotterer Road	Road ROW	Neighborhood HOA
20	20D12	Inlet Snout/Oil-Grit Separator	Country Meadows	Qual Drive	Road ROW	Neighborhood HOA
20	20E	Vegetated Swale	Country Meadows	Fox Lane	107/109 Fox Lane	Neighborhood HOA
20	20F	Protect/Convert/Establish Riparian Buffer	Country Meadows	Quail Drive	Quail Drive	Neighborhood HOA

BMP Number	Date Installed	NPDES Permit #	Latitude	Longitude	Responsible Party Address	Property Owner Address
1	11/9/2018	PAG02004614031	40.313126	-75.552326	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312263	-75.552555	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.311701	-75.551659	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.314069	-75.555464	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.314011	-75.553907	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.313142	-75.551978	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312748	-75.551628	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312884	-75.552236	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312566	-75.552018	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312854	-75.551994	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312444	-75.551711	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312208	-75.550907	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312027	-75.551755	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.312018	-75.551225	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
1	11/9/2018	PAG02004614031	40.311966	-75.552037	10 Schoolhouse Road, STE 1, Souderton, PA 18964	10 Schoolhouse Road, STE 1, Souderton, PA 18964
18	7/7/2010	PAG-02004603158R	40.312117	-75.591925	501 Office Center Drive, STE 200, Fort Washington, PA 19034	1030 W GERMANTOWN PIKE, P O BOX 287, FAIRVIEW VILLAGE PA 19409
18	7/7/2010	PAG-02004603158R	40.31144	-75.594871	501 Office Center Drive, STE 200, Fort Washington, PA 19034	1030 W GERMANTOWN PIKE, P O BOX 287, FAIRVIEW VILLAGE PA 19409
18	7/7/2010	PAG-02004603158R	40.309987	-75.593722	501 Office Center Drive, STE 200, Fort Washington, PA 19034	1030 W GERMANTOWN PIKE, P O BOX 287, FAIRVIEW VILLAGE PA 19409
18	6/15/2006	PAG-02004603158R	40.308644	-75.589006	501 Office Center Drive, STE 200, Fort Washington, PA 19034	1030 W GERMANTOWN PIKE, P O BOX 287, FAIRVIEW VILLAGE PA 19409
18	6/15/2006	PAG-02004603158R	40.314715	-75.584983	501 Office Center Drive, STE 200, Fort Washington, PA 19034	1030 W GERMANTOWN PIKE, P O BOX 287, FAIRVIEW VILLAGE PA 19409
18	6/15/2006	PAG-02004603158R	40.31023	-75.593324	501 Office Center Drive, STE 200, Fort Washington, PA 19034	1030 W GERMANTOWN PIKE, P O BOX 287, FAIRVIEW VILLAGE PA 19409
20	11/25/2019	TBD	40.305777	-75.593441	110 Fox Lane, Gilbertsville PA, 19525	201/203 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.3056	-75.59309	110 Fox Lane, Gilbertsville PA, 19525	205 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305485	-75.592789	110 Fox Lane, Gilbertsville PA, 19525	207 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305376	-75.592435	110 Fox Lane, Gilbertsville PA, 19525	207/209 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306497	-75.593118	110 Fox Lane, Gilbertsville PA, 19525	101 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306747	-75.592967	110 Fox Lane, Gilbertsville PA, 19525	103/105 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307294	-75.592768	110 Fox Lane, Gilbertsville PA, 19525	107/109 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306927	-75.591248	110 Fox Lane, Gilbertsville PA, 19525	209/211 Qual Drive, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.30669	-75.590992	110 Fox Lane, Gilbertsville PA, 19525	211/213 Qual Drive, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306522	-75.59119	110 Fox Lane, Gilbertsville PA, 19525	2939 Dotterer Road, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306756	-75.591594	110 Fox Lane, Gilbertsville PA, 19525	108 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305986	-75.59195	110 Fox Lane, Gilbertsville PA, 19525	206 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305622	-75.593327	110 Fox Lane, Gilbertsville PA, 19525	203 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.30539	-75.592714	110 Fox Lane, Gilbertsville PA, 19525	207 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305226	-75.592013	110 Fox Lane, Gilbertsville PA, 19525	209 Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.30695	-75.59305	110 Fox Lane, Gilbertsville PA, 19525	105 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307556	-75.592407	110 Fox Lane, Gilbertsville PA, 19525	109 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307319	-75.591768	110 Fox Lane, Gilbertsville PA, 19525	110 Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306543	-75.590535	110 Fox Lane, Gilbertsville PA, 19525	213 Qual Road, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306936	-75.590111	110 Fox Lane, Gilbertsville PA, 19525	214 Qual Road, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307702	-75.592519	110 Fox Lane, Gilbertsville PA, 19525	Qual Road, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307423	-75.59206	110 Fox Lane, Gilbertsville PA, 19525	Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307428	-75.592176	110 Fox Lane, Gilbertsville PA, 19525	Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307479	-75.591909	110 Fox Lane, Gilbertsville PA, 19525	Qual Drive, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306904	-75.592505	110 Fox Lane, Gilbertsville PA, 19525	Fox Drive, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306017	-75.593281	110 Fox Lane, Gilbertsville PA, 19525	Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305865	-75.592922	110 Fox Lane, Gilbertsville PA, 19525	Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305576	-75.592244	110 Fox Lane, Gilbertsville PA, 19525	Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.305282	-75.591788	110 Fox Lane, Gilbertsville PA, 19525	Peter Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306349	-75.590712	110 Fox Lane, Gilbertsville PA, 19525	213 Qual Drive, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.306548	-75.590262	110 Fox Lane, Gilbertsville PA, 19525	Dotterer Road, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.30673	-75.590228	110 Fox Lane, Gilbertsville PA, 19525	Qual Drive, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.30736	-75.592957	110 Fox Lane, Gilbertsville PA, 19525	Fox Lane, Gilbertsville PA, 19525
20	11/25/2019	TBD	40.307959	-75.593251	110 Fox Lane, Gilbertsville PA, 19525	Qual Drive, Gilbertsville PA, 19525



## NEW HANOVER TOWNSHIP POST CONSTRUCTION STORMWATER MANAGEMENT INSPECTION REPORT

<b>BMP #:</b>		<b>Site Name:</b>	
<b>BMP Type:</b>		<b>Temperature:</b>	
		<b>Weather:</b>	
<b>NPDES Permit #:</b>		<b>Date:</b>	
<b>Year Constructed:</b>		<b>Rainfall within 72 hours?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>PCSM BMP Plan Reference:</b>		<b>Structural/Non-Structural:</b>	<input type="checkbox"/> Structural <input type="checkbox"/> Non-Structural

<b>Responsible Party(s):</b>		<b>Responsible Party Address:</b>	
<b>Responsible Party(s):</b>		<b>BMP Address:</b>	

<b>Inspector:</b>		<b>Inspector Signature:</b>	
-------------------	--	-----------------------------	--

Inspection Type:  Routine  Follow-Up  Post Rain Event  Complaint

### Site Observations

BMP Component	Violations Observed					
<b>Contributing Drainage Area</b>	<input type="checkbox"/> Excessive trash/debris	<input type="checkbox"/> Exposed/bare soil	<input type="checkbox"/> Evidence of accelerated erosion	<input type="checkbox"/> Other		
<input checked="" type="checkbox"/> No violations present at the time of inspection						
Photo No.	Comments:					
<b>Pretreatment: Inlets, Forebays &amp; Inflow</b>	<input type="checkbox"/> Excessive trash/debris/sediment accumulation	<input type="checkbox"/> Evidence of clogging	<input type="checkbox"/> Evidence of accelerated erosion	<input type="checkbox"/> Evidence of ponding, odors, water stains, floating aquatic	<input type="checkbox"/> Structural deterioration of the structure(s)	<input type="checkbox"/> Illicit inflow devices
<input checked="" type="checkbox"/> No violations present at the time of inspection						
Photo No.	Comments:					
<b>Berm/Embankment</b>	<input type="checkbox"/> Overgrown/unmaintained vegetation	<input type="checkbox"/> Exposed or bare soil/vegetation	<input type="checkbox"/> Woody vegetation threatening structure	<input type="checkbox"/> Evidence of accelerated erosion	<input type="checkbox"/> Cracking or seeping	<input type="checkbox"/> Evidence of animal burrows
<input checked="" type="checkbox"/> No violations present at the time of inspection						
Photo No.	Comments:					
<b>Outlet</b>	<input type="checkbox"/> Evidence of accelerated erosion	<input type="checkbox"/> Excessive trash/debris/sediment accumulation	<input type="checkbox"/> Structural components in need of repair	<input type="checkbox"/> Other		
<input checked="" type="checkbox"/> No violations present at the time of inspection						
Photo No.	Comments:					





BMP #:		BMP Type:	BMP Address:
Photo No. <b>1</b>	Date: 08/05/2021	Date:	
Description			
Violation Type (if applicable):			
Photo No. <b>2</b>	Date:	Date:	
Description			
Violation Type (if applicable):			



# **Annual MS4 Status Report**

## **APPENDIX E**

### **MCM #6 Pollution Prevention and Good Housekeeping**

- 1. Employee Training Documentation**
- 2. MS4 Training Program Presentation**

4-15-21 New Hanover Twp

JKONAL - NHT

TOM VANCE - NHT

Dean Armstrong - NHT

Tom Miskiewicz - NHT

Randy Miller - NHT

George Barreca - NHT

Kevin Fulmer - NHT

Carleen Rogony NHT



**New Hanover Township  
MS4 Training**

**CEG  
CEDARVILLE**

Beth Uhler  
Environmental Project Manager

Amanda Reitbauer  
Environmental Scientist

April 15, 2021

1



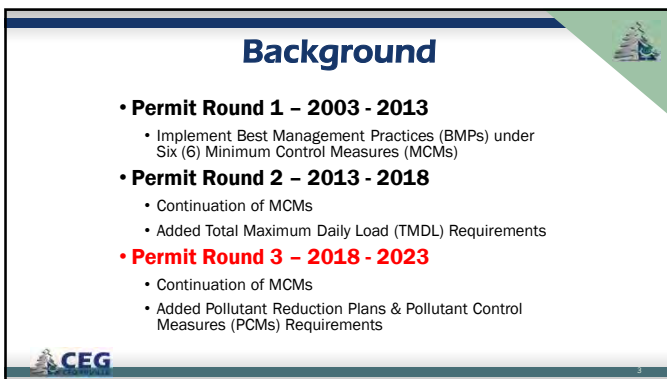
**Background**

**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.)

**CEG**

2

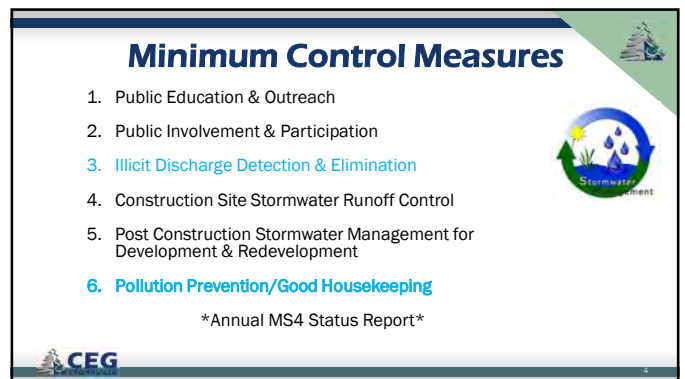


**Background**

- **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
- **Permit Round 3 – 2018 - 2023**
  - Continuation of MCMs
  - Added Pollutant Reduction Plans & Pollutant Control Measures (PCMs) Requirements

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3



**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 MS4 Status Report\*

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4




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



**Permit Requires:**

- **Written PEO Program**
  - Review annually and update as needed.
  - Plans and goals.
- **Target Audience List**
  - Review annually and update as needed.
- **Publish at least one (1) education item per year**
  - Website
  - Newsletter
  - Facebook
- **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!*





5

### 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!*

6

### 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 partially 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
- Permit assoc. w/ BMP must have a **Notice of Termination (NOT)**
- Written PCSM BMP Inspection Program **for BMPs approved after 2003** (Operations & Maintenance)




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## Now, let's learn more about Illicit Discharge Detection & Elimination!



(MCM #3)





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## MS4 Permit Requirements for Illicit Discharge Detection and Elimination

**6 Best Management Practices (BMPs)**

- BMP #1:** Written IDD&E Program
- BMPs #2 and #3:** Mapping
- BMP #4:** Dry Weather Outfall Field Screening
- BMP #5:** Ordinance Prohibiting Non-Stormwater Discharges into the MS4
- BMP #6:** Educational outreach specific to IDD&E





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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 a NPDES permit.


  
Pet waste

  
Leaking dumpsters

  
Grass clippings

  
Sediment runoff from construction sites

  
Parking lot trash


  
Leaf litter




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### MCM #3 - IDD&E How do you detect an Illicit Discharge?

- What to look for:
  - Discoloration
  - Clarity/sedimentation
  - Oily 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



### 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



### Restaurant Grease

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



### Sewage

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



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

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

DOCUMENT!!!





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## MCM #3 - IDD&E Outfall Field Screening

- **What is an Outfall?**
  - A point source where an MS4 discharges stormwater to surface waters...
- **How often?**
  - Once per permit term
  - Priority Areas and known Continual Dry Weather Flows: Annually
- **When?**
  - "Dry weather" is anytime following the Initial 48 hours after a stormwater producing event.
- **What?**
  - Dry weather flows
    - Color, Turbidity, Sheen, Floating or submerged solids, Odor
- **Sampling**
- **Compliance & Enforcement per IDD&E Program**
- **Documentation, documentation, documentation.**




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## OUTFALL MAPPING

[https://www.newhanover.pa.org/departments/planning/stormwater\\_management.php](https://www.newhanover.pa.org/departments/planning/stormwater_management.php)



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## MCM #3 - IDD&E Outfall Field Screening Survey123


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3805.FM.BCW021 12/2018  
MS4 Outfall Field Screening Report

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**MS4 OUTFALL FIELD SCREENING REPORT**


BACKGROUND INFORMATION	
Permittee Name:	NPDES Permit No.: PA
Date of Inspection:	Outfall ID No.:
Land Uses in Outfall Drainage Area (Select All):	Latitude: _____
<input type="checkbox"/> Industrial	<input type="checkbox"/> Urban Residential
<input type="checkbox"/> Commercial	<input type="checkbox"/> Suburban Residential
<input type="checkbox"/> Open Space	<input type="checkbox"/> Other: _____
Inspector Name(s):	Dry Weather Inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: _____
	Amount of Previous Precipitation: _____ in
	Were Photographs Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No



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## MS4 Outfall Field Screening Report

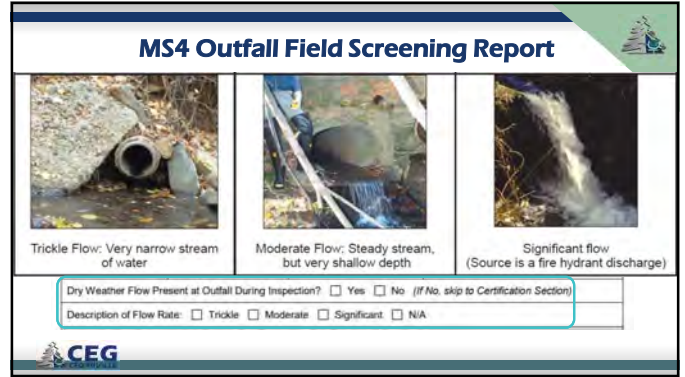
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: _____ in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	



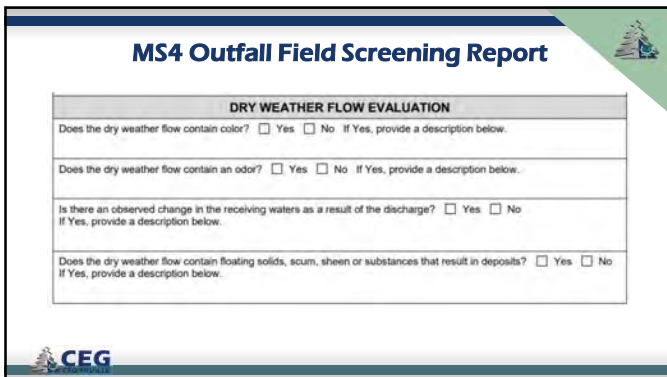
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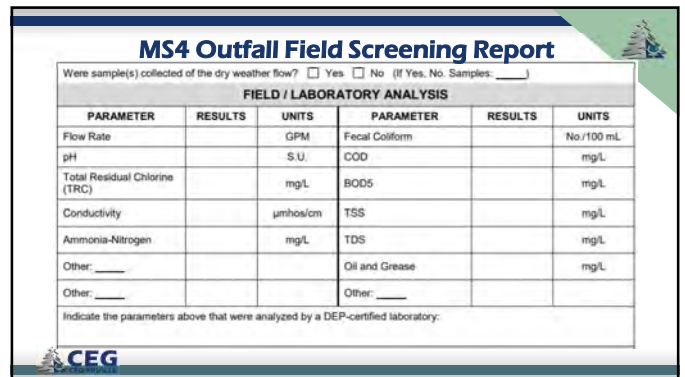
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### MS4 Outfall Field Screening Report


**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:




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### MS4 Outfall Field Screening Report

**RESPONSIBLE OFFICIAL CERTIFICATION**


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

Responsible Official Name	Signature
Telephone No.	Date




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### Sampling / Laboratory Analysis



**Common Test Parameters:**

- pH
- Conductivity
- Fecal Coliform bacteria
- Heavy Metals
- Chemical Oxygen Demand (COD)
- 5-day Biochemical Oxygen Demand (BOD5)
- Total Suspended Solids (TSS)
- Total Dissolved Solids (TDS)
- Oil and Grease
- Total Residual Chlorine (TRC)
- Ammonia-nitrogen



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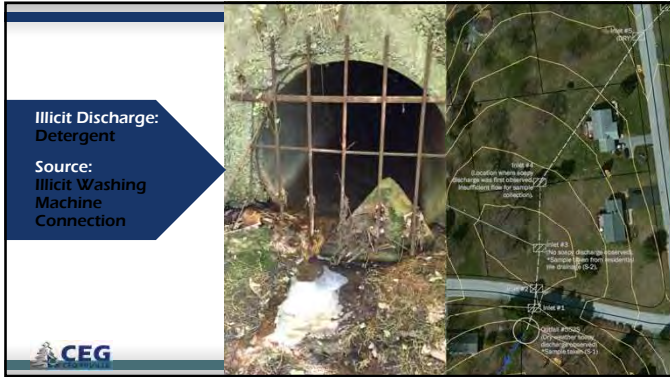
**Illicit Discharge:**  
Paint

**Source:**  
Painters Dumping





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29




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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**  
*"Any drain or conveyance, whether on the surface or subsurface, that allows any nonstormwater discharge, including sewage, process wastewater, and wash water, to enter the municipality's separate storm sewer system or the waters of the commonwealth is prohibited."*

**Prohibited Connectors**  
*"Any drain or conveyance, whether on the surface or subsurface, that allows any nonstormwater discharge, including sewage, process wastewater, and wash water, to enter a separate storm sewer system, and any connections to the separate storm sewer system from indoor drains and sinks."  
 "Any drain or conveyance connected from a commercial or industrial land use to a separate storm sewer system, which has not been documented in plans, maps, or equivalent records and approved by the municipality."*

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

**Authorized Discharges**

- Discharges from firefighting activities.
- Potable water sources including dechlorinated water line and fire hydrant flushings.
- Irrigation drainage.
- Routine external building washdown (which does not use detergents or other compounds).
- Air conditioning condensate.
- Water from individual residential car washing.
- Spring water from crawl space pumps.
- Uncontaminated water from foundation or from footing drains.
- Flows from riparian habitats and wetlands.
- Lawn watering.
- Pavement washwaters 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.
- **Dechlorinated swimming pool discharges.**
- Uncontaminated groundwater.



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## Now, let's learn more about Pollution Prevention & Good Housekeeping!





(MCM #6)

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### How can you prevent illicit discharges from municipal facilities?

**CEG**

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### MCM #6 Pollution Prevention and Good Housekeeping

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



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### Good Housekeeping

- Maintain a clean and orderly work environment.
- Prevent pollutant discharges into floor drains.
- Regularly inspect and maintain equipment.
- Proper chemical storage.
- Have spill clean-up materials present and accessible.



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37

### Oops...



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#### Hazardous Spill Cleanup Sheet

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

What was spilled and how much?  
 Approximately 1/2 gallon of oil.

How long after the spill occurred did clean up operations commence?  
 Within 5 minutes.

How did the spill occur and what corrective action was taken?  
 One employee was responsible for the spill and given time to absorb. The powder was swept up and disposed of in a sealed bag.

Are there any other actions that need to be undertaken regarding this spill?  
 No.

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

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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.



40

40

### Materials Log

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

Material	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
Soil (sandstone, loam)												
Yard Waste (limbwood, cuttings)												
Street Sweeping (sandstone, cuttings)												
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.

During the storm

72 hours later

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43

### 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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### EPA/DEP Audits

- **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
  - DOCUMENTATION!



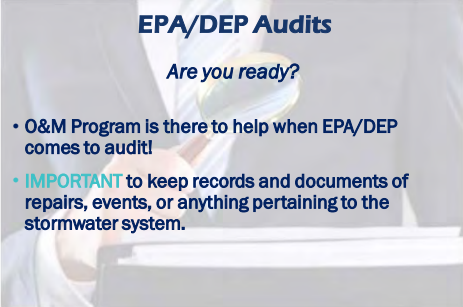
49

49

### EPA/DEP Audits

*Are you ready?*

- 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.



50



50

## Questions?

51

51

### Field Trip!

- #1) Walk-through of the Public Works Garage 
- #2) Mock Outfall Field Screening 

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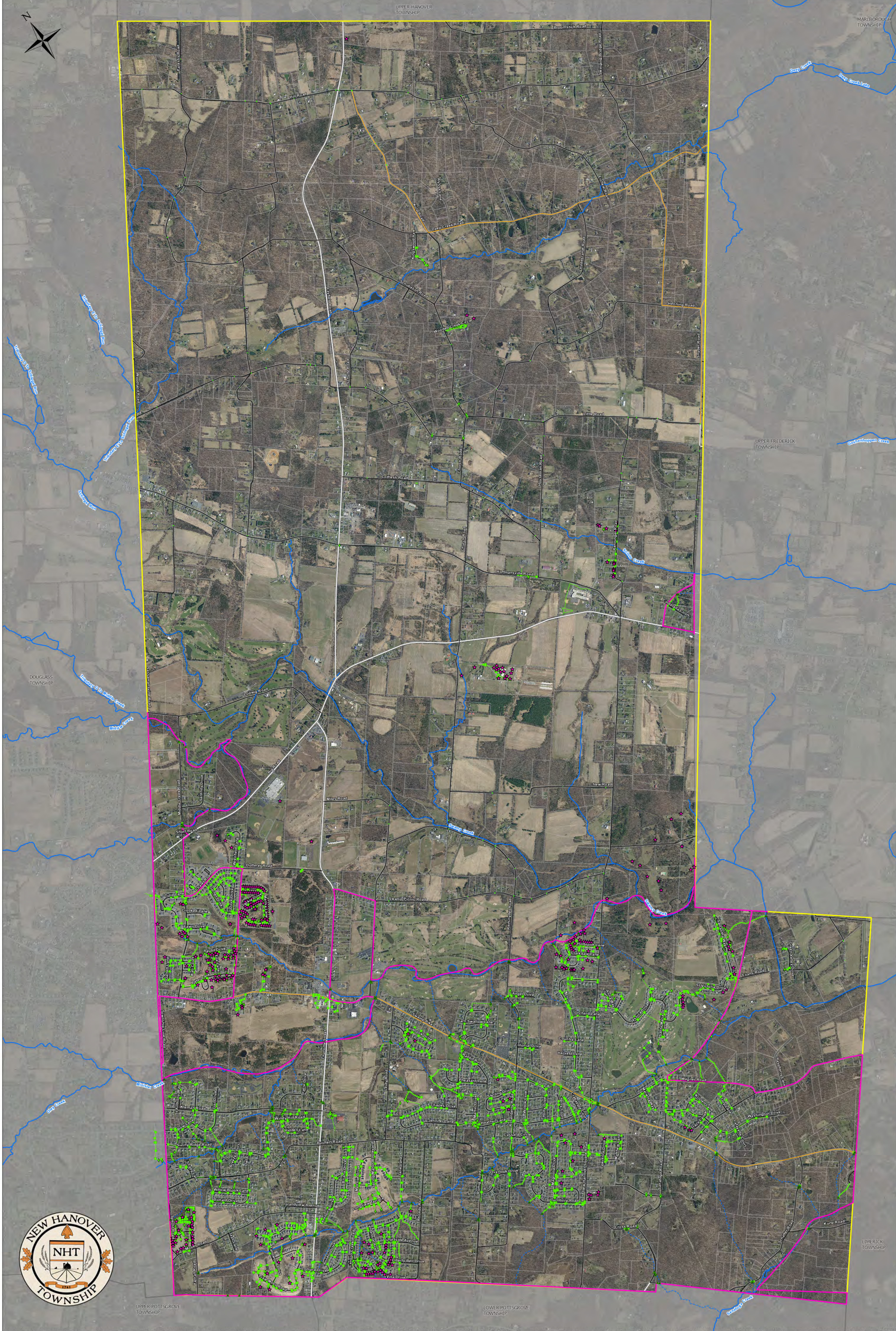
52



# **Annual MS4 Status Report**

## **APPENDIX F**

### **MS4 Infrastructure Map**



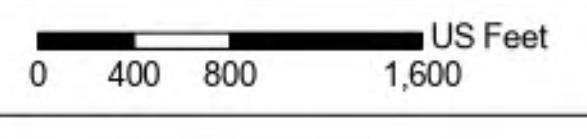
NOTES:  
 1. Parcels provided by the County (2021)  
 2. Road centerlines provided by the County (2021)

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.

DRAWN BY: WH

DATE: 7/15/2021

1 Inch = 800 Feet



NEW HANOVER TOWNSHIP

# MS4 INFRASTRUCTURE MAP

MONTGOMERY COUNTY, PA

## Legend

- ▲ Outfalls
- ★ PCSM BMPs
- Stormwater Structures**
  - ▲ Culvert
  - Inflow
  - Inlet
  - Manhole
  - Outflow
- Stormwater Conveyances**
  - Culvert
  - Pipe
  - Swale
- Streams
- Located Tributaries
- Parcels
- Township Road
- County Road
- State Road
- Private Road
- Urbanized Area 2010
- Township Boundary



UPPER POTTS GROVE TOWNSHIP

LOWER POTTS GROVE TOWNSHIP

LIMERICK TOWNSHIP

UPPER HANOVER TOWNSHIP

MARLBOROUGH TOWNSHIP

UPPER FREDERICK TOWNSHIP

DOUGLASS TOWNSHIP



# **Annual MS4 Status Report**

## **APPENDIX G**

### **Pollutant Reduction Plan Progress**

I:\cegsvr1\projects\Design\NHT-20-165 Swamp Creek Stream Restoration\Sheets\NHT20165 - PLANS - Rev1.dgn



REV.: XXX/XXX  
 DATE: 07/12/2021  
 SCALE: 1"=100'







SITUATE IN  
 NEW HANOVER TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

CONCEPT SKETCH

PREPARED FOR  
 NEW HANOVER TOWNSHIP

PROJECT NAME  
 SWAMP CREEK STREAM RESTORATION

**LEGEND:**


- SITE GRADING BANKS AND FLOODPLAIN BENCHES 
- J-VANES 
- CROSS-VANES AND CONSTRUCTED RIFFLES 
- BIOLOGS, COIR LOGS, AND ROOT WADS 
- TERMINAL ENDS CHANNEL STABILIZATION 
- RIPARIAN BUFFER RESTORATION 

**NOTES:**

1. THESE PLANS ARE FOR PLANNING PURPOSES ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION. PROPOSED IMPROVEMENTS SHOWN ARE APPROXIMATE IN NATURE AND SUBJECT TO CHANGE DURING DETAILED DESIGN.

**STREAM RESTORATION QUANTITIES**

ITEM	QUANTITY
SITE GRADING AND FLOODPLAIN BENCHES	564 SY
J-VANES	2 EA
CROSS-VANES	1 EA
BIOLOGS, COIR LOGS, AND ROOT WADS	112 LF
TERMINAL PROTECTION	2 EA
RIPARIAN BUFFER RESTORATION	1,395 SF



**CIVIL ENGINEERING • ENVIRONMENTAL SERVICES**  
**• SURVEYING • CONSTRUCTION**

159 East High Street, Suite #500 | Pottstown, PA 19464  
 610.705.4500 (Office) | 610.705.4900 (Fax)

DRAWN BY: MJC

CHECKED BY: BMF

SHEET NO.