



**MUNICIPAL SEPARATE STORM SEWER
SYSTEM (MS4)
ANNUAL REPORT
FOR
Lower Allen Township, Cumberland Co.**

Submitted

PERMIT YEAR 07/20 – 06/21

PREPARED BY:

**LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY, PA**

September 13, 2021

Pennsylvania Department of Environmental Protection
Watershed Program Manager
Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110

RE: MS4 Annual Report Form
NPDES Permit Number PAI 133511

To Whom It May Concern:

Enclosed please find the MS4 Annual Report Form from Lower Allen Township, Cumberland County for the above referenced Permit. This report is for the report period July 1, 2020, to June 30, 2021.

Please contact our office with any questions.

Sincerely,



Rebecca L. Davis
Stormwater Program Manager

cc: Thomas G. Vernau, Jr., Township Manager
Brad McCullough, P.E., Township Engineer/Public Works Director



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

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

GENERAL INFORMATION					
Permittee Name:	Lower Allen Township	NPDES Permit No.:	PA133511		
Mailing Address:	2233 Gettysburg Road	Effective Date:	March 16, 2018		
City, State, Zip:	Camp Hill, PA 17011	Expiration Date:	March 15, 2023		
MS4 Contact Person:	Rebecca L. Davis	Renewal Due Date:	September 20, 2022		
Title:	Stormwater Program Manager	Municipality:	Lower Allen Township		
Phone:	717-975-7575	County:	Cumberland		
Email:	rdavis@latwp.org				
Co-Permittees (if applicable):					
Appendix(ces) that permittee is subject to (select all that apply):					
<input type="checkbox"/> Appendix A <input checked="" type="checkbox"/> Appendix B <input checked="" type="checkbox"/> Appendix C <input checked="" 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 checked="" type="checkbox"/> Yes <input 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?
Cedar Run	CWF	Yes	Pathogens	No	No
Yellow Breeches	CWF	Yes	Pathogens/POCs	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	Lower Allen Township	Rebecca L. Davis	717-975-7575 Ext. 1010
#2 Public Involvement/Participation	Same as above	Same as above	Same as above
#3 Illicit Discharge Detection and Elimination (IDD&E)	Same as above	Same as above	Same as above
#4 Construction Site Storm Water Runoff Control	Same as above	Same as above	Same as above
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Same as above	Same as above	Same as above
#6 Pollution Prevention / Good Housekeeping	Same as above	Same as above	Same as above

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: June 2, 2021 (See Attachment #1 and Attachment #3) Were updates made? ☒ Yes ☐ No

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

1. The Township planned to review, evaluate, and revise the PEOP. The Target Audience list was to be reviewed and updated with target audience groups. The Township planned to distribute information and materials to target audience groups in the following ways: Provide information on the Township website and Facebook page, update printed materials with permit applications, and provide information for distribution to the public at the front counter of the Township. The Target Audience list has been updated to add additional new businesses in the Township and more specifically, registered users of the Township's dog park have been added, each Township parcel has been identified through the Township's billing system, and a listing of restaurants has been created. The target audience list continues to be updated as new Target Audience Groups in the Township are identified such as new residents, etc. (See Attachment #2).

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:

1. Review and update target audience groups as new groups are identified and developed targeted groups for outreach possibly using Microsoft Outlook, Facebook, and other social media.
2. Improve coordination with local conservation groups such as the Yellow Breeches Watershed Association.
3. Reach out to local businesses.
4. Coordinate Public Education and Involvement efforts into one cohesive program.

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: 6/2/2021 (See Attachment #1 , Attachment #2, and Attachment #3). 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: 6/2/2021 (See Attachment #1, Attachment #3). Were updates made? ☒ Yes ☐ No

3. Do you have a municipal website? ☒ Yes ☐ No (URL: www.latwp.org)

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

The website has an MS4/Stormwater page that is continually updated. There is a pull down menu on the Township's webpage specifically dedicated to MS4. The MS4 page has general information on what the MS4 program is, how the Township's MS4 Permit works, and information on each of the six MCMs of the permit. There are general resources for residents to obtain information and reporting forms for illicit discharges and BMP inspections. There is also an image called "Lower Allen Stormwater" on the homepage that contains information about the Township's Stormwater Fee and Stormwater Authority Meetings. The quarterly newsletters are placed on the Township website which contain MS4 Updates and Stormwater Fee Information. There is a reporting mechanism for illicit discharges.

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

The Township newsletter publishes four times a year (See Attachment #4). Summer 2020 contained information regarding automotive maintenance and also featured a volunteer spotlight on the local girl scouts troop marking stormwater inlets in the Allendale neighborhood. Fall 2020 had an MS4 Update Article on how to manage stormwater runoff on your property. Winter of 2020/2021 had an update about snow and stormwater runoff. Spring of 2021 had a Stormwater Program Update article regarding the retrofit of the Moreland Detention Basin into a bioretention facility and an article on spring rain and stormwater drains. In addition, the spring newsletter featured an article about a Cedar Cliff High School Student, Lilly Dolan and her work on creating cleaner waterways in Lower Allen Township. The Township Facebook page posts links to various MS4 related activities (See Attachment #4). The Township participated in the West Shore Council of Governments annual stormwater management advertisement in the Patriot Newspaper on 10/15/2020 (See Attachment #6). The Target Audience list has been updated to add additional new businesses in the Township and more specifically, businesses that handle food preparation and sales have been added. The target audience list continues to be updated as new Target Audience Groups in the Township are identified such as new residents, etc. (See Attachment #2). The Township updated pamphlets that are handed out at the Township entrance (See Attachment #5). Rebecca Davis spoke at the following events/places during the reporting period: 1. 10/30/2020- Pennsylvania Municipal League - virtual event - establishing a stormwater authority and fee. 2.) 11/19/2020 - Yellow Breeches Watershed Association Annual Meeting - Sheepford Detention Basin Retrofit Project. 3. EPA/DEP MS4 Forum - 2/17, 5/5, and 6/9 - virtual event - establishing a stormwater authority and fee. 4. 4-29-21, PSATS virtual panel discussion - stormwater fees. 5. 5/19 - Pennsylvania State Extension Master Watershed Steward Meeting - Virtual MS4 basics training (see attachment #1). The Township sent an outreach mailer on 5/12/2021 to all restaurants and food facilities in the Township (see attachment #9). The Township sent an outreach letter to residents in the vicinity of the Moreland Basin Retrofit Project informing them of the project and when construction would begin on 5/12/2021 (see attachment #1). The Township continued to be the spear head for the South Central Pennsylvania MS4 Workgroup. Communication for the workgroup is conducted by Lower Allen and all meetings are coordinated by Rebecca Davis. The MS4 Workgroup met quarterly throughout the reporting period (see attachment #8).

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

The Township will continue to update the webpage and Facebook with Stormwater Management Information. The Township will outreach to schools, businesses, and organizations to educate the community about stormwater management. The Township will participate in Earth Day events and speak at our annual Gardener's Gathering event in the event that those meetings are held. They were canceled in 2020/2021 due to the COVID-19 Pandemic. The Township will place articles in the quarterly newsletter regarding stormwater management and the stormwater fee. The Township will update information handed out with permits regarding stormwater management. The Township is planning on doing outreach to automobile garages and facilities on the proper handling of waste and best management practices at the facilities. The Township will speak at events as requested regarding MS4 education.

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 has Stormwater Brouchures placed at the front counter of the Townhsip building year round. The Township participated in the West Shore Council of Goverments Stormwater Pollution Advertisement in the Patriot Newspaper on 10/15/2020 (See Attachement #8) . The Township sent a mailing to all restaurant owners and food establishments in Lower Allen Township (See Attachment #1). Rebecca Davis spoke at several virtual events including the MS4 Forum held by EPA and PADEP, the Pennsylvania Municipal League, the Yellow Breeches Watershed Association Annual Meeting, the

PSATS virtual convention, and the Penn State Extension Master Watershed Steward Training Meeting (see attachment #1).

MCM #1 Comments:

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

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

1. For new permittees only, was the PIPP developed and implemented within one year of permit coverage?
☐ Yes ☐ No
2. Date of latest annual review of PIPP: 6/2/2021 (See Attachment #2 and #3 and #23) Were updates made? ☒ Yes ☐ No

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

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? ☐ Yes ☒ No
2. If Yes, describe how you advertised the draft document(s) and how you provided opportunities for public review, input and feedback:
3. If an ordinance, SOP or plan was developed or amended during the reporting period, provide the following information:

Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP

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:

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.

Rebecca Davis spoke at the following events/places during the reporting period: 1. 10/30/2020- Pennsylvania Municipal League - virtual event - establishing a stormwater authority and fee. 2.) 11/19/2020 - Yellow Breeches Watershed Association Annual Meeting - Sheepford Detention Basin Retrofit Project. 3. EPA/DEP MS4 Forum - 2/17, 5/5, and 6/9 - virtual event - establishing a stormwater authority and fee. 4. 4-29-21, PSATS virtual panel discussion - stormwater fees. 5. 5/19 - Pennsylvania State Extension Master Watershed Steward Meeting - Virtual MS4 basics training (see attachment #1). The Township sent an outreach mailer on 5/12/2021 to all restaurants and food facilities in the Township (see attachment #1). The Township sent an outreach letter to residents in the vicinity of the Moreland Basin Retrofit Project informing them of the project and when construction would begin on 5/12/2021 (see attachment #1). The Township continued to be the spear head for the South Central Pennsylvania MS4 Workgroup. Communication for the workgroup is conducted by Lower Allen and all meetings are coordinated by Rebecca Davis. The MS4 Workgroup met quarterly throughout the reporting period (see attachment #8).

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.

Rebecca Davis spoke at the following events/places during the reporting period: 1. 10/30/2020- Pennsylvania Municipal League - virtual event - establishing a stormwater authority and fee. 2.) 11/19/2020 - Yellow Breeches Watershed Association Annual Meeting - Sheepford Detention Basin Retrofit Project. 3. EPA/DEP MS4 Forum - 2/17, 5/5, and 6/9 - virtual event - establishing a stormwater authority and fee. 4. 4-29-21, PSATS virtual panel discussion - stormwater fees. 5. 5/19 - Pennsylvania State Extension Master Watershed Steward Meeting - Virtual MS4 basics training (see attachment #1). The Township sent an outreach mailer on 5/12/2021 to all restaurants and food facilities in the Township (see attachment #1). The Township sent an outreach letter to residents in the vicinity of the Moreland Basin Retrofit Project informing them of the project and when construction would begin on 5/12/2021 (see attachment #1). The Township continued to be the spear head for the South Central Pennsylvania MS4 Workgroup. Communication for the workgroup is conducted by Lower Allen and all meetings are coordinated by Rebecca Davis. The MS4 Workgroup met quarterly throughout the reporting period (see attachment #8).

MCM #2 Comments:

The Township updated the Target Audience Lists during the reporting period. We specifically reached out to establishments that handle and sell food such as restaurants (See Attachment #1 & #2). The Yellow Breeches Watershed Association cancelled their stream clean ups during the reporting period due to the COVID-19 pandemic.

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: 6/2/2021 (see Attachment #3 & #23) 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): 6/2/2021

3. Total No. of Outfalls in MS4: 84 Total No. of Outfalls Mapped: 84

4. Total No. of Observation Points: 0 Total No. of Observation Points Mapped: 0

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): 6/2/2021

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? 25
2. Indicate the percentage of all outfalls screened in the past five years. 100%
3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 20%
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: Adopted 03/08/2004, amended 02/14/2011
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
07/13/2020	Prohibited Discharge	Ferenc J. Zelei	Pool water discharge was being dumped into a Township Street. NOV sent to the violator. Discharge was stopped and water did not reach any inlets.
10/15/2020	Prohibited Discharge	Pennsy Supply, Inc.	NOV sent to violator. Violator removed concrete wash and debris and swept the street in addition to debris removal. Subsequent inspections indicated compliance.
3/15/2021	Erosion & Sedimentation Violations	Ronald & Holly Sisti	NOV sent to the violator. Site visit was conducted with the property owners, PADEP, CCCD and the Township. All violations were addressed and subsequent inspections indicated compliance.

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? A pamphlet titled "A Residential Guide for Preventing Stormwater Pollution" is placed in the Municipal Services Center Community and Economic Development Department Counter and on the Township website. Township quarterly newsletter articles throughout the reporting period addressed illicit discharges (See Attachment #1 & #5). The Township had all new employees take part in training for MS4 Regulations. The Township held it's annual MS4 Training with public work staff employees virtually in June of 2021 (See Attachment #12). A training log for all Township Employees is included in this report in Attachment #12.

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:

Attachment #11 submitted with this report contains illicit discharge investigations and documentation. Any additional NOV's that could not fit in the table above are attached there. There were several investigations that occurred in Lower Allen Township during the reporting period. Attachments #14 and #15 contain outfall inspection forms and pictures for the reporting period. Priority outfalls were inspected this reporting period and will continue to be inspected each year of our

permit in addition to other outfall inspections performed. Lower Allen Township has not adopted a new Stormwater Management Ordinance to date. We will adopt the ordinance by the required due date in our written permit, 9/30/2022. The Township has created a reporting tool using ArcGIS to record our outfall inspections while in the field. In addition, we have created an illicit discharge tool using ArcGIS to record and map any illicit discharges that occur.

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: Adopted 03/08/2004, amended 02/14/2011

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 hands out a PADEP informational sheet to all building permit applicants on managing stormwater runoff at construction sites. The Township also created a handout regarding Erosion and Sedimentation Control on Construction Sites and managing concrete disposal (See Attachment #7). The Township tracks E&S controls and their management when visiting sites for building permit inspections (See Attachment #13). The Township has a MOU with the Cumberland

County Conservation District in addition to handing out publications from CCCD (see attachment #22). The Township also documents E&S inspections on residential sites under an acre (see attachment #13 & #22).

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: Adopted 03/08/2004, amended 02/14/2011
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: Adopted 03/08/2004, amended 02/14/2011
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.

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	See Attachment #16 for PCSM BMP Inventory, BMP Inspection Reports, and Description of Operation & Maintenance Procedures and example of an Operation & Maintenance BMP Agreement			0 1 11	0 1 11			
2				0 1 11	0 1 11			
3				0 1 11	0 1 11			
4				0 1 11	0 1 11			
5				0 1 11	0 1 11			
6				0 1 11	0 1 11			
7				0 1 11	0 1 11			
8				0 1 11	0 1 11			
9				0 1 11	0 1 11			
10				0 1 11	0 1 11			
11				0 1 11	0 1 11			
12				0 1 11	0 1 11			
13				0 1 11	0 1 11			

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

14				0 1 "	0 1 "			
15				0 1 "	0 1 "			
16				0 1 "	0 1 "			

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:

Towship owned BMPs Inspections are included with the report in Attachment #16.

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? 6/02/2021
3. When was it last updated? 6/2/2021- See Attachment #17 for the Facilities Inventory List

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: 6/2/2021

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: 6/2/2021 Date of latest training: Virtual due to COVID-19 see attachment #12

3. Training topics covered:

MS4 Good Housekeeping Annual Employee Training (See Attachment #12).

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

Rebecca L. Davis, Stormwater Program Manager

5. Names of training attendees:

See Attachment #12 for content covered and attendees. This training was held virtually due to the COVID-19 Pandemic.

MCM #6 Comments:

All new employees that are hired at Lower Allen Township watch a MS4 Powerpoint Presentation as a part of their new employee orientation. A spreadsheet of all MS4 trainings that employees participated in is attached as Attachment #12 as well as a MS4 Activity Tracking Sheet for MS4 related activities that Lower Allen Township employees participated in, in Attachment #13. These trainings are in addition to the training that was held virtually for the Public Works Staff. Attachment #18 includes Lower Allen Township's Public Works Operation & Maintenance Report for 2020-2021 and PPC Plan and Attachment #17 includes Lower Allen Township's Facilities List.

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)	6/1/2019	<input type="checkbox"/>	
Source Inventory	6/20/2020	<input checked="" type="checkbox"/>	
Investigation of Suspected Sources		<input type="checkbox"/>	9/30/2022
Ordinance/SOP for Controlling Animal Wastes		<input type="checkbox"/>	9/30/2022

PCM Comments:

Lower Allen Township is in the process of performing site investigations as well as performing water sampling and testing for the "suspected sources" identified in the source inventory submitted with our 2020 Annual Report.

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 checked="" type="checkbox"/> Chesapeake Bay PRP (Appendix D)	9/16/2017	12/19/2018	Chesapeake Bay
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	9/16/2017	12/19/2018	Cedar Run, Yellow Breeches, Susquehanna River, Chesapeake Bay
<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 checked="" type="checkbox"/> Chesapeake Bay PRP (Appendix D)	317,931.59	TP goals are achieved when 10% reduction in sediment is achieved	TN goals are achieved when 10% reduction in sediment is achieved
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	317,931.59	TP goals are achieved when 10% reduction in sediment is achieve	TN goals are achieved when 10% reduction in sediment is achieve
<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: September 30, 2023

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 received Mariner 2 Pipeline Grants for 2 of the basins that were retrofitted for the Pollution Reduction Plan. The Township put the projects out to bid in 2020, awarded the bids, and construction has been completed as of October 30, 2020. These basins are located on Township owned property. The Township received a National Fish and Wildlife Foundation PA-LGI Grant to retrofit another Township owned basin as part of the Pollution Reduction Plan. The Township completed this project on June 30, 2021. The Township continues to work on the design of the other Township owned basins as well as privately owned basins..

The Township has begun negotiations with the property owners of the remaining 6 basins that are privately owned. The Township has had meetings with 5 out of the 6 property owners who are willing to work with the Township to perform the retrofit projects and the Township is in the process of negotiating easement and maintenance agreements.

6. Anticipated activities for next reporting period.

Design and bid for the retrofit of basins 5 & 6 will commence. The Township will continue discussions with property owners that own the detention basins where a retrofit is proposed to negotiate easement and maintenance agreements.

PRP/TMDL Plan Comments:

The PRP proposes to retrofit 10 detention basins into bioretention facilities in the Township to meet the required load reductions. Four of the basins are Township owned and six basins are on private property. Construction is completed on 3 of the Township owned basins to date.

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)
	See Attachment #21					0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<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?
	See Attachment #20					0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<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).

Thomas G. Vernau, Jr., Township Manager

Name of Responsible Official

717-975-7575

Telephone No.



Signature

9/13/2021

Date

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Department of Environmental Protection Annual Report Form for MS4 Program -Form 3800-FM-BCW0491 9/2017

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ATTACHMENTS TO ANNUAL REPORT

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

ATTACHMENT #1

Public Education and Outreach Plan

PUBLIC EDUCATION & OUTREACH

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PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #1 – PUBLIC EDUCATION & OUTREACH PLAN



PUBLIC EDUCATION & OUTREACH PLAN
FOR
MS4 PROGRAM – MCM #1
LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PA

REVISED 06-02-2021

INTRODUCTION

This Public Education and Outreach Plan (PEOP) was prepared by staff from Lower Allen Township to satisfy the requirements of their current Municipal Separate Storm Sewer System (MS-4) Permit program.

This Plan is intended to meet the permit requirements under Minimum Control Measure (MCM) #1 of the Township's current MS-4 permit (Permit # PAG 133711). These requirements of this MCM are presented in Attachment #1. In response to these requirements an annual review of the MS-4 program's Public Outreach efforts in the 2020 Plan (See attachment # 2) was performed by the staff on January 4, 2021. The results of this review are presented in Attachment #3 and are reflected in the 2021 plan as it appears below:

2021 PUBLIC EDUCATION AND OUTREACH PLAN

1. Annually review, evaluate and revise the Public Education and Outreach Program.
2. Review and update lists of target audience groups. Add schools, businesses, contractors, and community organizations to the list. Add information from the stormwater fee data collection regarding commercial and residential properties.
3. Distribute information and materials to target audience groups:
 - Provide information on Township website and update as necessary.
 - Provide printed materials with permit applications.
 - Provide additional information for distribution to the public at the public information counter in the Township Municipal Services Center.
 - Provide information via Township newsletter and Facebook page.
 - Provide MS4 activity page at the Annual Township Easter Egg Hunt in giveaway bags
 - Provide information to residents at the Annual Gardner's Gathering Event.
 - Present information to West Shore Summer Recreation Program Participants.

FUTURE PUBLIC EDUCATION AND OUTREACH EFFORTS

1. Develop targeted groups for outreach efforts possibly using Microsoft Outlook, Facebook, or other social media.

2. Improve coordination with local conservation groups such as the Yellow Breeches Watershed Association.
3. Reach out to local businesses.
4. Coordinate Public Education and Involvement efforts into one cohesive program.

MCM No. 1: Public Education and Outreach

1. Review and revise Public Education and Outreach Program (PEOP)
 1. PEOP designed to achieve measurable improvements in target audience's understanding of causes and impacts of SW pollution and how they can prevent it.
2. Review and update lists of target audience groups. Include: residents, businesses, developers, schools, municipal employees/departments.
3. Either:
 1. Distribute printed materials; or
 2. Provide information and links on Township website
4. Distribute materials by at least two methods, in addition to No. 3 above.

2020 PUBLIC EDUCATION AND OUTREACH PLAN

Lower Allen Township MS4 Public Education and Outreach Program (PEOP)

1. Annually review, evaluate and revise the Public Education and Outreach Program.
2. Review and update lists of target audience groups.
3. Distribute information and materials to target audience groups:
 - Provide information on Township website
 - Provide printed materials with permit applications.
 - Provide information for distribution to the public at the public information counter in the Township Municipal Services Center.
 - Provide information via Township Facebook account.

2021 Update:

- a. Information on Township Facebook page updated frequently.
- b. MS4 page on Website updated more user friendly – additional content added.
- c. MS4 flyers placed on front counter in the Municipal Services Complex.
- d. MS4 updates made to the building permit package – Erosion and Sedimentation guidance and concrete washout handouts provided.
- e. MS4 mailer sent to restaurants regarding proper waste disposal.
- f. Target audience list updates
- g. MS4 quarterly newsletter articles published in the Township's newsletter.
- h. Participated in the 2021 CAPCOG MS4 Advertisement in the local newspaper
- i. Speak at the EPA MS4orum conference to educate township employees and officials on MS4 Requirements.
- j. Speak at the PSATS virtual convention to educate township employees and officials on MS4 Requirements.

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #2 – TARGET AUDIENCE LISTS

Dog Park Registration List																	
First Name	Last Name	Street	Town	Municipality	Phone - H	Phone - W	Email	Vehicle	Veh. Lic.	Dog - Type	Dog Name	Dog - Type	Dog - Name	Dog - Type	Dog Name	Date	Review
A																	
William Archie	Andring	248 Crook Road 120 E. Louth St. A/E	Camp Hill, PA 17011 Carlisle, PA	LAT Carlisle	717-975-8796 717-860-3938		andringw@comcast.net andringw@comcast.net	17 Ford f150 2010 honda accord	YV4C185 29000177	(M) Rotweiler (F) Boxgumier	Mikha Miracle	(F) Boxgumier	Curran	(F) Boxgumier	Augst	06/03/19 06/03/20 12/04/18 05/12/19	
B																	
Andrea June Amy (Duff)	Bell Bell Berk	858 Marshall Drive 858 Marshall Drive 4022 Virginia Road	Carlisle, PA 17013 Carlisle, PA 17013 Mechanicsburg 17055	middlesex middlesex Mechanicsburg 17055	717-440-8011 717-440-8011 717-512-7675		andrea_b@comcast.net andrea_b@comcast.net andrea_b@comcast.net	13 Honda CRV 13 Honda CRV 05 Subaru outback	RC9662 RC9662 KW A 2476	(F) Mini Labradoodle (F) Labrador (M) golden retriever	OHEO (F) Labrador Wynston				09/24/18 09/24/19 12/04/18 12/04/19 06/03/19 06/03/20		
Elizabeth	Boecker	41 Kirk Farm Way	Mechanicsburg, 17050	Silver springs	717-318-5474		elizabethb1@aol.com	2017 Honda CRV	HZT 3873	(M) GSD	Jack	(M) Mixed				03/22/18 03/22/19	
Phil	Bond	3425 Luthers Road	Mechanicsburg, 17050	LAT	606-662-0130		phil_bond@yahoo.com	2010 Honda Element	JZE 8416	(M) Lab mix	Baker					09/04/19 04/09/20	
Robert	Boone	49055 Vancleave RD	Mechanicsburg, 17050	LAT	717-574-7272		robertboone1@yahoo.com	2015 Honda Civic	F49 9861	(F) Lab - yellow	Neddie					07/28/19 07/28/20	
Matt/Sally	Boomer	5008 Fairborn Lane	Mechanicsburg, 17050	LAT	717-377-4180		boomerb@comcast.net	2005 Acura 6	WV 0476	(M) Lab mix	Rocky					09/18/19 06/18/20	
Tonya	Burd	1201 Hobbs Drive	Mechanicsburg, 17055	LAT	717-691-2025		tonyaburda@yahoo.com	16 Explorer	KCC-7025	(F) Pit bull mix	Wynston					01/08/19 01/08/20	
C																	
Sean/Ramon	Chafariz	990 Consett St.	Mech. PA. 17055	Upper Allen	717-887-1005		chafariz7@gmail.com	2013 Nissan Rogue	KLP 6139	(M) Husky	Saaps					02/08/17 02/08/18	
Chris/Jared	Christians	400 15th Street	New Cumberland pa 17070	Upper Cumberland Boro	717-774-0701		christiansjared@gmail.com	2016 Kia Soul	MLN4183	(M) Lab/Retriever mix	Julie					01/24/18 01/24/19	
Robert	Chubb	1800 Shuman Road	Carlisle, PA 17023	Carlisle	717-260-1800		chubbrob@yahoo.com	2014 Ford Focus	KPR 1041	(M) Terrier mix	Joey					06/28/19 06/28/20	
Felicia	Cramer	4245 W. Shumanburg Dr p 8	HIBG 17709	Susquehanna	715-513-5711		felicia_cramer@yahoo.com	12 Ford Focus	30 254 K13	(M) Golden	Lad					02/24/17 02/24/18	
Simon	Coxsey	1459 Hillcrest Court A 508	Camp Hill, PA 17011	LAT	877-7702		coxsey1234@gmail.com	2012 Honda CRV	PX82043	(M) Labrador	Parker					06/19/17 06/19/18	
Amber	Coxsey	P.O. box 178	Camp Hill, PA 17011	LAT	717-865-6421		coxsey1234@gmail.com	2012 Nissan Versa	29 528 180	(M) Pitb	Oliver					06/19/17 06/19/18	
Amber	Cunningham	925 Shelter lane	Camp Hill, PA 17011	Thyane	717-226-4653		amcun1234@yahoo.com	2012 Honda CRV	GTP 1213	(M) Catahoula Leopard	Chase					04/17/17 04/17/18	
D																	
Joanna	Dieropert	48 Edgewood Drive	Mech. PA. 17055	Boro	717-773-0175		joanna_dieropert@yahoo.com	2016 Ford Focus	1991790	(F) Boxgumier mix	Dixie					04/18/18 04/18/19	
Debra	Duhart	8 Mirafior Drive	New Cumberland, PA 17070	Fairview	717-343-8088		debra_duhart@yahoo.com	13 Toyota Ot Chevy	FSENLKRLK9490	(F) Boxgumier mix	Bea Rex					06/22/17 06/22/18	
Joanna	Duplain	1514 Carlisle Rd	Camp Hill	LAT	717-		joanna.duplain@gmail.com									05/20/17 05/30/18	
Lynn	Dodderly	3026 Meridian commons Unit B	Mechanicsburg, PA 17055	LAT	903-8594		dodderlylynn@hotmail.com	18 Hyundai Tucson	EWG 1612	(F) Hound mix	Dakota					04/18/18 04/16/19	
E																	
Makala	Ehrly	12 Sunny Lane	Mechanicsburg, PA 17050	Silver Springs	580-5420		makalahr@yahoo.com	2013 Honda civic		(M) german Shepherd/husky	Sydney					03/27/17 03/20/18	
Maryanne	Ellenberger	809 Silver Lake Rd.	Lewistown, PA 17039	Fairview	717-938-8366		maryanneellenberger@gmail.com	14 - Ford Explorer		(M) hound mix	Crealy					03/27/17 03/20/18	
Gene	Evans	1608 Summit Ave.	Camp Hill, PA 17011		737-0254		geneevans@verizon.net	06 Subaru Forester	WR88325	(F) Mixed	Lucy					05/16/18 05/16/19	
F																	
Amy Rebecca Rachel Emily Finger Beth Mike/April Todd/Lane	Fabunstock Ferguson Ferguson Finger Finger Forester Forester	312 Behlre Drive 990 Orchard Ave. Lot 7 633 Greenwich Ave. 3637 N. 7th Street - Apt. 1 4899 Lamp Post Lane 123 Spring Rd. 2090 Sunset Drive	Sherrstown, PA 17011 Camp Hill, PA 17011 Camp Hill, PA 17011 Camp Hill, PA 17011 Camp Hill, PA 17011 Camp Hill, PA 17011 Camp Hill, PA 17011	Lat Lat Wormleysburg Shenandoah park Harrisburg Township Carlisle Erie Pennsboro	717-599-0133 329-9260 717-439-0504 665-5930 717-64535 717-458-2147 717-576-6420		fabunstock4@gmail.com rebeccaferguson@gmail.com rachelferguson@gmail.com emilysfinger@gmail.com bethfinger@yahoo.com mikeandaprilforester@gmail.com toddandlane@gmail.com	2016 Nissan Altima 2016 Honda Civic 18 honda Ridgeline Jetta 96 Nissan truck 08 Hyda Santa Fe 2012 Aca Sorrento	KNC 7147 PE1015 jst 5756 Jeta 96 Nissan truck HNT 4301 KPR7513	(F) Akita (M) Pitmix (M) Mini Dinkidoodle (F) GSV mix (M) English setter/Mex border (M) yellow lab/mix (M) Mountain Car/Shekie	Kuma Bella Shyla Bella Cooper Macy	(F) Lab/Border Collie mix (F) Border collie mix (F) Border collie mix (F) Border collie mix (M) Boxgumier (M) Boxgumier	Lady Suzanne Katie Sara Max	08/15/19 08/15/20 02/08/17 02/08/18 10/08/16 10/08/17 07/09/16 07/09/17 02/22/14 02/21/15 05/31/17 05/31/18 05/31/18 05/31/19			
Beverly	Fries	2008 Sunn 16th St.	Camp Hill, PA 17011	Camp hill boro	717-770-9979		befr123@gmail.com	03 Honda Odyssey	CRE8N00Y	(F) Cockerall	Stella	(F) Shiba/collie	Lana			04/21/18 04/21/19	
G																	
Paula Joanne Cari Gunter Kathy Kathy Kathy Kathy Kathy Paul and Twila Cindy Tom Gretchen Cathy Steve/Valecie Barry/Mary Kathy Kathy Jeff Lynn Lynn	Gubels Gullucci Hollan Edwards Hollan H																

Q/R

Jennifer	Rashor	4357 N second st	Harrisburg, PA 17110	Susquehanna	991-7994	jac672@comcast.com	Highlander	GPE 2687	(M) Shiba Inu	River	(M) Shiba Inu	Rebel	7/2/2015	7/2/2016
Rebecca	Raffin	122 W. Main Street	Shiremansstown PA 17011	Shiremansstown Boro	717-737-4851	becka33@aol.com	16 Stara	ETR 1804	(f) labretriever mix	Shelby	(f) lab	Abby	9/10/2019	9/10/2020
Courtney	Response	19 Plainview Road	Camp Hill, PA 17011	LAT	717-576-3703	response116@gmail.com	Ford Escape 2013	EXW3158	(M) boxer mix	Hank			5/6/2019	5/6/2020
Ledie	Rask	16 N. Enola Drive	Enola, Pa 17025	East Pennsboro	717-979-6110	ledie25@aol.com	Honda Accord	DDA 1864	(f) Border	Ginger			7/8/2017	7/8/2018
Mathew	Rand	2010 Brooks Edge Drive A 206	Camp Hill, PA 17011	LAT	717-701-5449	mathew25@aol.com	Jesp Wrangler 14	DLX 878	(M) Labmix	Chance			6/22/2018	6/22/2019
Mary	Resident	12 Oyster Bay Drive	Mechanicsburg, PA 17050	Silver Spring	717-525-1759	maryres1963@comcast.net	09 Audi		(M) Mix	Dumbo			8/24/2017	8/24/2018
Jennifer	Reyn	849 Huntington Ave.	Enola, Pa 17025	East Pennsboro	364-6749	jennifer1963@comcast.net	2000 Olds	GBR7908	(f) Pithester	Missy			09/01/15	09/01/16
Jose/Patricia	Reyns	136 S. 18th Street	Camp Hill, PA 17011	Camp Hill boon	717-645-5368	josepatricia54@gmail.com	Subaru Legacy Forester		(M) Shepherd ix	Mr. Feeny	(M) Beagle mix	Copper	03/01/18	03/01/19
Krista	Reynolds	824 W. Trindle Road	Camp Hill, PA 17011	Hampden	717-919-0167	kristareynolds1967@gmail.com	Kia Spectra	JRH15788	(M) Lab mix	Bear	(M) Yellow lab	Wilson	08/07/17	08/17/18
Frank/Roger	Rogersham	4815 Oakmont Green	Mechanicsburg, PA 17050	Hampden	717-875-8007	frankrogersham@aol.com	12 Acura MDX	GV1, 2814	(f) Golden	Ginger			03/19/19	03/20/20
Beth	Rucker	3573 Korta Drive	Dover, PA 17115	Dover trap.	321-7766	bethrucker1991@hotmail.com	2011 Chevy Equinox	OMC 2759	(f) American Bull dog	Lulu			03/09/15	03/09/16
Alicia	Runkle	161 Valley Drive	Carlisle, Pa 17013		717-7022361	alicia.runkle717@gmail.com			(M) Lab	Mink			06/15/15	06/15/16
Scott	Russo	4815 E. Trindle Rd.	Mechanicsburg, PA 17055	Hampden	910-554-2248	scott.russo72@gmail.com	2014 jetta		(M) GRD	Giuseppe			08/05/16	08/05/17
Andrew	Ryan	1412 3rd Street	Enola, Pa 17025	East Pennsboro	717-480-2699	andrewryan20071@aol.com	2016 VW Jetta	JRK 9059	(f) CSD	Maya			10/23/17	10/23/18

S

Facility Name

Capital City Mall - PR CC Limited Partnership
Capital Call Mall Drive - Macys
Camp Hill Correctional Institution
Yetter Court Enterprises LLC
Amerach LP
AMSI Investors - BJs Wholesale Club
YCH Properties LP - BJs Fueling Staion
Monkey Joe's/Camp Hill Tennis Club
Capital Plaza Associates, Inc. - Retail Shops
Wal-Mart
Theo's Restaurant
Camp Hill Partners LLC
David Becker
Batteries Plus
Highland Elementary School
William Grace
David & Stephanie Peffley
F&L Fitting Company
TSR Inc.
Flinchy's
Flinchbaugh/Bolinger Properties
Leggett Plumbing
GPS Mart Gas Station LLC
RF Fager & Company
RF Fager & Company
Smith Land Development & Improvement Corporation
Smith Land Development & Improvement Corporation
Consolidated Nutrition LLC
Highland Gardens/Guiseppe's Pizza Shop
Triangle Car Wash - Lower Allen Shopping Center
Old Gettysburg Associates
Old Gettysburg Associates
Old Gettysburg Associates
Thirteen Sac Self Storage
McDonald's Corporation
Diversified Wesley Drive LP (Retail Shops)
920 Century LP
Palumbo Real Estate
Pennsylvania American Water Company
856 Century Drive LLC

900 Century Drive
890 Century Drive
Capital Area RT Asscoiates
Pennsylvania Association of School Retirees
PA Business Center LP
Asbury Atlantic
Bethany Development Corporation
Asbury Atlantic Inc.
Asbury Atlantic Inc.
Weis Markets Inc.
Weis Markets Inc.
Turkey Hill Mini Market
Commerce Bank
PLK Real Estate LLC
West Shore Window & Door
Bridge Street Parking
Autozone
Dollar General
Thomas Brown Autobody
Etter Investments
Motel Sleepers
JMD Industries
Moe's Bar & Grill
David & Anita Reisman

Lower Allen Township MS4 Target Audience List

Cedar Run Watershed

Owner Name	Street	City
C/O Preit-Rubin Inc.	3506 Capital CityMall Drive	Camp Hill
May Department Stores Co.	3506 Capital City Mall Drive	Camp Hill
PA Industrial School	2500 Lisburn Road	Camp Hill
	2700 Yetter Court	Camp Hill
C/O Craig Eisenbert	2800 Appleton Street	Camp Hill
C/O Ryan LLC	3805 Hartzdale Drive	Camp Hill
YCH Properties	3809 Hartzdale Drive	Camp Hill
Elizabeth Grace	3608 Hartzdale Drive	Camp Hill
Capital Plaza Associates, Inc	3401 Hartzdale Drive	Camp Hill
Wal-Mart Real Estate Business Trust	3400 Hartzdale Drive	Camp Hill
Theodore & Mosca Kalathas	3315 Hartzdale Drive	Camp Hill
	3309 Hartzdale Drive	Camp Hill
David Becker	3303 Hartzdale Drive	Camp Hill
Farrow Holdings, LLC	2501 Gettysburg Road	Camp Hill
West Shore School District	1325 Carlisle Road	Camp Hill
William Grace	1850 State Road	Camp Hill
David & Stephanie Peffley	22-26 Hummel Avenue	Camp Hill
Cora Bay Ltd. LLC	1825 Hummel Avenue	Camp Hill
Robert & Kathleen Kuhn	2005 Hummel Avenue	Camp Hill
Flinchy's Property Management, LLC	1833 Hummel Avenue	Camp Hill
Flinchbaugh/Bolinger Properties	1993 Hummel Avenue	Camp Hill
Earnst, Leggett	1989 Hummel Avenue	Camp Hill
Jagtar Singh	2205 Gettysburg Road	Camp Hill
RF Fager & Company	2051 State Road	Camp Hill
RF Fager & Company	2056 & 2058 State Road	Camp Hill
Smith Land Development & Improvement Corp.	2015-2035 State Road	Camp Hill
Smith Land Development & Improvement Corp.	2010 & 2020 State Road	Camp Hill
C/O ADM Alliance Nutrition	2000 Hummel Avenue	Camp Hill
Leonard & Margaret Sorensen	301 S. 18th St - 423 S. 18th St	Camp Hill
Thomas Ntzanis	2232 Gettysburg Road	Camp Hill
Select Capital Corporation	4732 Gettysburg Road	Camp Hill
Select Capital Corporation	4718 Gettysburg Road	Camp Hill
Select Capital Corporation	4720 Gettysburg Road	Camp Hill
	4725 Gettysburg Road	Camp Hill
Richard Woodruff II	1014 Wesley Drive	Mechanicsburg
C/O Apple Property Management	1010 Wesley Drive	Mechanicsburg
	920 Century Drive	Camp Hill
	4729 Gettysburg Road	Camp Hill
	852 Wesley Drive	Mechanicsburg
	856 Century Drive	Camp Hill

Shawn, Ellis
Holly Anne, Kilmore
C/O Holy Spirit Hospital

Bethany Village
Bethany Village
Bethany Village
Weis Markets Inc.
Weis Markets Inc.
Dillon Real Estate Inc.
Commerce Bank
PLK Real Estate LLC
William & Patricia Werzyn
Bridge Street Parking LP
Autozone Inc #1883
Dolgencorp Inc.
Lance Bonsall
Etter Investments
Motel Sleepers Inc.
JMD Industries
G&L Castle Properties LLC
David & Anita Reisman

900 Century Drive
890 Century Drive
880 Century Drive
878 Century Drive
860 Wesley Drive
335 RR Wesley Drive
335 Wesley Drive
325 Wesley Drive
5225 Wilson Lane
5140 Simpson Ferry Road
5144 Simpson Ferry Road
5150 Simpson Ferry Road
5032 Simpson Ferry Road
5028 Simpson Ferry Road
5024 Simpson Ferry Road
5016 Simpson Ferry Road
5012 Simpson Ferry Road
5034 Hann Way
5030 Arthur Avenue
5035 Arthur Avenue
5022 Arthur Avenue
4713 Gettysburg Road
4709 Gettysburg Road
4705 Gettysburg Road

[illegible]

State	Zip	Parcel #
PA	17011	13-09-0547-006
PA	17011	13-23-0551-149
PA	17011	13-09-0547-007EX
PA	17011	13-10-0258-012
PA	17011	13-25-0020-055A
PA	17011	13-24-0799-178A
PA	17011	13-24-0799-256
PA	17011	13-24-0799-236
PA	17011	13-24-0801-009 & 13-23-0551-111C
PA	17011	13-23-0551-111
PA	17011	13-23-0551-147
PA	17011	13-23-0551-146
PA	17011	13-23-0551-145
PA	17011	13-23-0551-112
PA	17011	13-23-0545-442
PA	17011	13-22-0536-057
PA	17011	13-22-0536-038
PA	17011	13-22-0536-010B
PA	17011	13-22-0536-006
PA	17011	13-22-0536-009
PA	17011	13-22-0536-002 & 007
PA	17011	13-022-0536-008
PA	17011	13-23-0549-020B
PA	17011	13-23-0549-014
PA	17011	13-23-0549-011
PA	17011	13-23-0549-013
PA	17011	13-22-0536-055
PA	17011	13-22-0536-001
PA	17011	13-23-0547-035
PA	17011	13-23-0549-008
PA	17011	13-24-0795-168
PA	17011	13-24-0795-005A
PA	17011	13-24-0795-005B
PA	17011	13-25-0022-004
PA	17055	13-24-0795-180
PA	17055	13-24-0795-169
PA	17011	13-24-0795-173
PA	17011	13-25-0022-005
PA	17055	13-09-0545-011
PA	17011	13-24-0795-163

PA	17011	13-24-0795-176
PA	17011	13-24-0795-175
PA	17011	13-24-0795-174A
PA	17011	13-24-0795-174
PA	17011	13-24-0795-164
PA	17011	13-09-0545-005
PA	17055	13-09-0545-005A
PA	17055	13-09-0545-005B
PA	17055	13-09-0545-006
PA	17055	13-23-0559-078
PA	17055	13-23-0559-078A
PA	17055	13-23-0559-077
PA	17055	13-23-0559-080
PA	17055	13-23-0559-081
PA	17055	13-23-0559-090
PA	17055	13-23-0559-082
PA	17055	13-23-0559-086
PA	17055	13-23-0559-085
PA	17050	13-23-0559-087
PA	17050	13-23-0559-089
PA	17050	13-23-0559-088
PA	17050	13-25-0022-033
PA	17050	13-25-0022-002
PA	17050	13-25-0022-001

Lower Allen Township MS4 Target

Contractor Name	Contact	Street
Charter Homes		1190 Dillerville Road
Firefly Homes		3335 Morgantown Road, PO Box 7
EK Services	Bill Freels	260 Old York Road
UGI Utilities		1301 Airport Drive
Musser Home Builders	Matt Musser	10 Barrens Valley Road
PA American Water Co.		852 Wesley Drive
Berks Homes		145 Limekiln Road
Triple Crown Corporation		5351 Jaycee Avenue

Audience List

City	State	Zip
Lancaster	PA	17601
Mohnton	PA	19540
New Cumberland	PA	17070
Middletown	PA	17057
Dillsburg	PA	17019
Mechanicsburg	PA	17055
New Cumberland	PA	17070
Harrisburg	PA	17112

[illegible]

[illegible]

Facility Name	Owner Name
Liberty Forge Golf Course	LFGC Inc.
Charter Homes at Highpoint	
Lisburn Community Fire Co.	
West Shore Soccer Club	
Hooper Roger & Lisa	
Ward, Larry & Jennifer	
Leshner, Ruth C/O Strong & Detweiler Partnership	
Leshner, Ruth	
Arcona Strand Partners	
PP & L	C/O PP&L EU Svc's.
Zambrano Thoms J. & Ann L.	
Carey Gary	
Naewon Limited Partnership	
Hempt Brothers Incorporated	
Christian Life Assembly of God	
Camp Hill Correctional Institution	

Lower Allen Township MS4 Target Audience List

Lower Yellow Breeches Watershed

Street	City	State	Zip
3804 Lisburn road	Mechanicsburg	PA	17055
1190 Dillerville Road	Lancaster	PA	17601
1800 Main St.	Mechanicsburg	PA	17055
P.O. Box 334	New Cumberland	PA	17070
1541 Thompson Lane	Mechanicsburg	PA	17055
1847 Ward Lane	Mechanicsburg	PA	17055
1340 Rossmoyne Road	Mechanicsburg	PA	17055
1340 Rossmoyne Road	Mechanicsburg	PA	17055
1190 Dillerville Road	Lancaster	PA	17601
827 Hausman Road	Allentown	PA	18104-9392
1420 Indian Lane	Mechanicsburg	PA	17055
1909 Sheepford Road	Mechanicsburg	PA	17055
Lisburn Road	Camp Hill	PA	17011
205 Creek Road	Camp Hill	PA	17011
2645 Lisburn Road	Camp Hill	PA	17011
2500 Lisburn Road	Camp Hill	PA	17011

Parcel #
13-11-0270-042
13-10-0256-092
13-31-2134-027EX
13-31-2134-026
13-27-0258-070
13-10-0258-070
13-10-0256-031
13-10-0256-011
13-10-0256-185
13-10-0256-012PU
13-10-0256-014
13-11-0270-004
13-11-0272-010
13-09-0549-005 & 13-09-0549-001
13-10-0258-015
13-09-0547-007

Name	Address	City, State	Zip
5 BROTHERS PIZZA	3401 HARTZDALE DR STE 121	Camp Hill, PA	17011
ALDI #76	3437 SIMPSON FERRY RD	Camp Hill, PA	17011
AMC CAMP HILL 12	3431 SIMPSON FERRY RD	Camp Hill, PA	17011
AMORE PIZZA	1430 Market House LN	Mechanicsburg, PA	17055
ASBURY - BETHANY VILLAGE - EAST	325 Wesley DR	Mechanicsburg, PA	17055
AUNTIE ANNE'S PA #200	3475 CAPITAL MALL DR	Camp Hill, PA	17011
BASIL LEAF THAI CUISINE	5202 SIMPSON FERRY RD STE 112	Mechanicsburg, PA	17050
BEERHANI GROCERY STORE	4 W Main ST	Camp Hill, PA	17011
BIG RAYS BURGERS AND DOGS	3619 SIMPSON FERRY RD	Camp Hill, PA	17011
BJ'S WHOLESALE CLUB #25	3805 HARTZDALE DR	Camp Hill, PA	17011
BLAZE PIZZA	3595 CAPITAL CITY MALL DR	Camp Hill, PA	17011
BONEFISH GRILL	3505 GETTYSBURG RD	Camp Hill, PA	17011
BREAKFAST CLUB DINER THE	1104 CARLISLE RD	Camp Hill, PA	17011
BREWHOUSE GRILLE	2050 STATE RD	Camp Hill, PA	17011
BRUSTER'S REAL ICE CREAM	3519 HARTZDALE DR	Camp Hill, PA	17011
BURGER KING #554	3555 OLD GETTYSBURG RD	Camp Hill, PA	17011
CAFE MAGNOLIA	4700 GETTYSBURG RD	Mechanicsburg, PA	17055
CAPITAL CITY CONVENIENCE	3977 Capital City Mall DR	Camp Hill, PA	17011
CEDAR CLIFF PIZZA	1055 CARLISLE RD	Camp Hill, PA	17011
CH MART	2205 GETTYSBURG RD	Camp Hill, PA	17011
CHARLEY'S PHILLY STEAKS (CAPITAL CITY	3506 Capital City Mall DR SPC FC5	Camp Hill, PA	17011
CHINA TEA HOUSE	4912 Louise DR	Mechanicsburg, PA	17055
COMFORT INN CAPITAL CITY	1012 WESLEY DR	Mechanicsburg, PA	17055
COUNTRY INN & SUITES	4943 GETTYSBURG RD	Mechanicsburg, PA	17055
COURTYARD BY MARRIOTT	4921 GETTYSBURG RD	Mechanicsburg, PA	17055
CREEKSIDE GRILL	3921 Lisburn RD	Mechanicsburg, PA	17055
DAVE AND BUSTERS	3503 Capital City Mall DR	Camp Hill, PA	17011
DICKEY'S BARBECUE PIT	3401 HARTZDALE DR STE 112	Camp Hill, PA	17011
DQ ORANGE JULIUS	3652 CAPITAL CITY MALL DR	Camp Hill, PA	17011
EDIBLE ARRANGEMENTS	3401 HARTZDALE DR	Camp Hill, PA	17011
FLINCHY'S	1833 HUMMEL AVE	Camp Hill, PA	17011
FUSION FIRE	3421 SIMPSON FERRY RD	Camp Hill, PA	17011
GERTRUDE HAWK CHOCOLATES	3508 CAPITAL MALL DR	Camp Hill, PA	17011
HAPPY BOX BREAKFAST LUNCH & DINER	3625 SIMPSON FERRY RD	Camp Hill, PA	17011
HEMAUER BREWING CO.	1010 Wesley Drive STE 109	Mechanicsburg, PA	17055
HEWLETTS HOT SAUSAGE	200 Belaire Drive	Camp Hill, PA	17011
HICKORY FARMS #11229	CAPITAL CITY MALL	Camp Hill, PA	17011
HIGHWAY MANOR BREWING	2238 Gettysburg RD	Camp Hill, PA	17011
HOMEWOOD SUITES HOTEL	5001 RITTER RD	Mechanicsburg, PA	17055
HUNAN EXPRESS RESTAURANT LLC	1010 WESLEY DR STE 108	Mechanicsburg, PA	17055
IDEA COFFEE MFF TYPE 3	1303 Saxton WAY	Mechanicsburg, PA	17055
ISAAC'S DELI	4940 RITTER RD	Mechanicsburg, PA	17055
JOEY'S CHICKEN SHACK	1104 Carlisle RD	Camp Hill, PA	17011
JUBA HALAL MARKET	5247 Simpson Ferry RD	Mechanicsburg, PA	17050
JUICE-N-JAVA	5258 SIMPSON FERRY RD	Mechanicsburg, PA	17050

KARVON RESTAURANT	3433 SIMPSON FERRY RD UNIT A	Camp Hill, PA	17011
KING TUT CONVENIENCE(EXON GAS)	1004 WESLEY DR	Mechanicsburg, PA	17055
LOWER ALLEN DINER	3449 SIMPSON FERRY RD	Camp Hill, PA	17011
MARZONI'S BRICK OVEN AND MICRO BR	4925 Ritter RD	Mechanicsburg, PA	17055
MASALA BISTRO INDIAN RESTAURANT	3401 HARTZDALE DR STE 120	Camp Hill, PA	17011
MCDONALD'S #00451	1100 CARLISLE RD	Camp Hill, PA	17011
MCDONALD'S #15788	1014 WESLEY DR	Mechanicsburg, PA	17055
MOE'S BAR AND GRILL	4709 GETTYSBURG RD	Mechanicsburg, PA	17055
MOMO BBQ CO	4916 Louise Drive	Mechanicsburg, PA	17055
MONKEY JOE'S ACM GROUP LLC	3608 HARTZDALE DR	Camp Hill, PA	17011
NEATO BURRITO MECHANICSBURG	5238 SIMPSON FERRY RD	Mechanicsburg, PA	17050
NEW CHINA II	1104 CARLISLE RD	Camp Hill, PA	17011
NIKOLI'S PIZZA & CATERING	3904 OLD GETTYSBURG RD	Camp Hill, PA	17011
NYREE'S RESTAURANT	1104 CARLISLE RD	Camp Hill, PA	17011
OUTBACK STEAKHOUSE	1201 LOWER ALLEN DR	Camp Hill, PA	17011
PANDA CHINESE KITCHEN	3451 CAPITOL MALL DR	Camp Hill, PA	17011
PAPA JOHN'S PIZZA	1010 Wesley DR	Mechanicsburg, PA	17055
PIZZA GRILLE #2	3817 GETTYSBURG RD	Camp Hill, PA	17011
PIZZA HUT	3300 HARTZDALE DR STE 113	Camp Hill, PA	17011
POBLANO BURRITO	3401 HARTZDALE DR STE 113	Camp Hill, PA	17011
PRE K GOURMET	4922 Louise Drive	Mechanicsburg, PA	17055
PRIMANTI BROS.	3745 Capital City Mall DR	Camp Hill, PA	17011
RESSLER'S BAGEL	5252 SIMPSON FERRY RD	Mechanicsburg, PA	17050
RITA'S PIZZA DBA ITALIAN DELIGHT	4932 LOUISE DR STE 1 & 2	Mechanicsburg, PA	17055
SAIKOU INC	5250 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SALADWORKS	3506 CAPITAL CITY MALL SPC #6	Camp Hill, PA	17011
SBARROS PIZZA	CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHAWARMA HOUSE	3616 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHEETZ CEDAR CLIFF	1508 CEDAR CLIFF DR	Camp Hill, PA	17011
SHIRLEY RAE'S LLC	1347 Saxton Way	Mechanicsburg, PA	17055
SIMPSON FERRY GULF	3635 SIMPSON FERRY RD	Camp Hill, PA	17011
SMOKER'S EXPRESS	5236 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SNOWFOX - WEIS #125	1195 LOWTHER RD	Camp Hill, PA	17011
SNOWFOX - WEIS #58	5140 Simpson Ferry RD	Mechanicsburg, PA	17055
SPICE BAZAR	2317 GETTYSBURG RD	Camp Hill, PA	17011
SPRING GATE VINEYARD AND BREWERY	1440 Market House LN	Mechanicsburg, PA	17050
STARBUCKS COFFEE #50323	1106 Carlisle RD	Camp Hill, PA	17011
SUBWAY	1010 WESLEY DR	Mechanicsburg, PA	17055
SUBWAY	5234 SIMPSON FERRY RD	Mechanicsburg, PA	17055
SUBWAY #24101	1104 Carlisle RD	Camp Hill, PA	17011
SUBWAY #26913	4910 LOUISE DR	Mechanicsburg, PA	17055
SUBWAY #59266	3401 HARTZDALE DR	Camp Hill, PA	17011
SUBWAY STORE #23860	3506 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SUMMIT FAMILY RESTAURANT	2210 OLD GETTYSBURG RD	Camp Hill, PA	17011
SUNLIGHT DINER	4729 GETTYSBURG RD	Mechanicsburg, PA	17055
SUSHI EXPRESS @ CAPITAL CITY MALL	3644 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SWEET FROG	1104 CARLISLE RD	Camp Hill, PA	17011

TATIANA'S RESTAURANT MEDITERRANEA	4601 Gettysburg RD	Mechanicsburg, PA	17055
TERIYAKI EXPRESS @ CAPITAL CITY MALL	3612 Capital City Mall DR	Camp Hill, PA	17011
TEXAS ROADHOUSE	1101 Lower Allen DR	Camp Hill, PA	17011
THE LODGE AT LIBERTY FORGE	3804 LISBURN RD	Mechanicsburg, PA	17055
THE PEPPERMILL FAMILY RESTAURANT	1010 Wesley DR UNIT 100	Mechanicsburg, PA	17055
THEA	1303 Saxton WAY	Mechanicsburg, PA	17055
THEO'S BAR & GRILLE II	3315 HARTZDALE DR	Camp Hill, PA	17011
TOKYO DINER	5202 SIMPSON FERRY RD STE 108	Mechanicsburg, PA	17050
TONY'S PIZZATOWN	5228 Simpson ferry RD	Mechanicsburg, PA	17050
TOWNE PLACE SUITES	4915 RITTER RD	Mechanicsburg, PA	17055
TRACKS END RESTAURANT	5022 ARTHUR AVE	Mechanicsburg, PA	17055
TUCKEY'S BAKERY OUTLET	2214-B GETTYSBURG RD	Camp Hill, PA	17011
TURKEY HILL MINIT MARKET #236	5150 SIMPSON FERRY RD	Mechanicsburg, PA	17055
VITO'S ITALIAN RISTORANTE	1150 LOWTHER RD	Camp Hill, PA	17011
WALMART #5888	3400 HARTZDALE DR	Camp Hill, PA	17011
WEIS MARKETS #058	5140 SIMPSON FERRY RD	Mechanicsburg, PA	17050
WEIS MARKETS #125	1195 LOWTHER RD	Camp Hill, PA	17011
WENDY'S #6400	3465 SIMPSON FERRY RD	Camp Hill, PA	17011
WHITE HILL CAFÉ% INC	1712 HUMMEL AVE	Camp Hill, PA	17011
ZAIQA KABAB & GRILL	5202 SIMPSON FERRY RD	Mechanicsburg, PA	17050

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #3 – FACEBOOK AND NEWSLETTER POSTS



Lower Allen Township, PA

July 1, 2020 · 🌐



LATWP.ORG

Stormwater Authority 7-9-2020 Agenda

Stormwater Authority 7-9-2020 Agenda Posted on July 1, 2020 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



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Comment



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Lower Allen Township, PA

July 10, 2020 · 🌐



LATWP.ORG

Stormwater Authority 6-4-2020 Minutes

Stormwater Authority 6-4-2020 Minutes Posted on July 10, 2020 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN TOWNSHIP



Like



Comment



Share



Lower Allen Township, PA

July 16, 2020 · 🌐

Stormwater facility excavation and pipe placement along Gettysburg Rd.



👍 10

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

July 22, 2020 · 🌐

Stormwater pipes being installed at the Gettysburg Rd relocation project.



👍 11

1 Share

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

July 30, 2020 · 🌐

Gettysburg Rd Relocation Project:

Part of the stormwater controls at the site of the Century Dr. extension/Gettysburg Rd intersection are structures that will capture stormwater on the west side of the new road and release it into the drainage swale on the east side of the road. Those structures have been completed.



👍 7

1 Comment 1 Share

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

August 28, 2020 · 🌐

**Stormwater
Authority**

LATWP.ORG

Stormwater Authority 9-3-2020 Agenda

Stormwater Authority 9-3-2020 Agenda Posted on August 28, 2020 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

August 28, 2020 · 🌐

The Township is undertaking several stormwater projects converting detention basins into bioretention areas. These areas allow for stormwater percolation into the ground rather than runoff into streams. First up is the stormwater basin in front of the Public Works building.



👍❤️ 20

2 Shares

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

August 31, 2020 · 🌐

On Tuesday, Sept. 1st and Wednesday Sept. 2nd, our Public Works crew will be replacing drain pipe on Sheepford Road in the 1600 and 1700 block. Sheepford Rd will be closed between Thompson Lane and Valley Road beginning at 7:00 am. Detour signs will be placed prior to these intersections. The road is expected to be reopened by 3:00 pm.

👍❤️ 5

2 Comments 4 Shares

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

September 9, 2020 · 🌐

Public Works bioretention area update



👍 7

1 Share

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

September 15, 2020 · 🌐

Some pics from the Sheepford Crossing West bioretention conversion. The pictures show the removal of the existing top layer of the soil, amending the soil with leaf compost, scarifying the basin bottom, and adding amended topsoil.



👍 13

11 Comments 2 Shares

👍 Like

💬 Comment

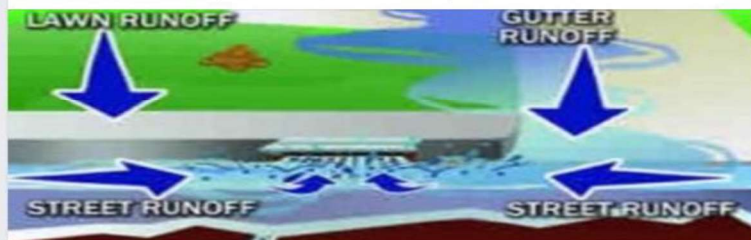
➦ Share



Lower Allen Township, PA

September 21, 2020 · 🌐

Lower Allen Township's 2020 MS4 Annual Report.



LATWP.ORG

MS4 Information

Lower Allen Township's 2018 General MS4 Permit is effective from March...

👍 2

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

September 28, 2020 · 🌐



LATWP.ORG

Stormwater Authority 10-1-2020 Agenda

Stormwater Authority 10-1-2020 Agenda Posted on September 28, 2020 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER



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Lower Allen Township, PA

September 28, 2020 · 🌐

Coyote Decoys!

Coyote decoys have been placed in both the new Public Works Building and Sheepford West bioretention areas. It seems some hungry Canada Geese think they are salad bars. The decoys will remain in place until geese netting is installed.



19

4 Comments 7 Shares



Like



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Lower Allen Township, PA

October 2, 2020 · 🌐

Final plantings in the Public Works Facility and Sheepford West bioretention basins!



👍 12

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

November 2, 2020 · 🌐

**Stormwater
Authority**

LATWP.ORG

Stormwater Authority 11-5-2020 Agenda

Stormwater Authority 11-5-2020 Agenda Posted on
November 2, 2020 By Helen Grundon In
Stormwater Authority Agendas, Township News
LOWER ALLEN TOWNSHIP STORMWATER

👍 1

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💬 Comment

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Lower Allen Township, PA

November 6, 2020 · 🌐



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Stormwater Authority 10-1-2020 Minutes

Stormwater Authority 10-1-2020 Minutes Posted on November 6, 2020 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN



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Lower Allen Township, PA

December 4, 2020 · 🌐



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Stormwater Authority 11-1-2020 Minutes

Stormwater Authority 11-1-2020 Minutes Posted on December 4, 2020 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN



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Lower Allen Township, PA

January 8 · 🌐



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Stormwater Authority 12-3-2020 Minutes

Stormwater Authority 12-3-2020 Minutes Posted on January 8, 2021 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN TOWNSHIP



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Lower Allen Township, PA

February 2 · 🌐



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MORELAND DETENTION BASIN RETROFIT PROJECT

MORELAND DETENTION BASIN RETROFIT
PROJECT Posted on February 2, 2021 By Helen
Grundon In Township News Invitation to Bidders...



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Lower Allen Township, PA

March 26 · 🌐



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Stormwater Authority 4-1-2020 Agenda

Stormwater Authority 4-1-2020 Agenda Posted on
March 26, 2021 By Helen Grundon In Stormwater
Authority Agendas, Township News LOWER
ALLEN TOWNSHIP STORMWATER AUTHORITY



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Lower Allen Township, PA

May 7 · 🌐



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Stormwater Authority 4-1-2021 Minutes

Stormwater Authority 4-1-2021 Minutes Posted on
May 7, 2021 By Helen Grundon In Stormwater
Authority Minutes MINUTES STORMWATER
AUTHORITY LOWER ALLEN TOWNSHIP



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Lower Allen Township, PA

May 14 · 🌐

Moreland basin stormwater project

Upcoming Stormwater Project

As part of our Pollution Reduction Plan (PRP) mandated by the Pennsylvania Department of Environmental Protection (PADEP), Lower Allen Township will be retrofitting a stormwater detention basin into Bioretention Facility this year on Township owned property. The project location is as follows:

Moreland Basin - Oxford Drive – the basin is located at the rear of Oxford Drive in the Moreland Community.

The project will begin construction the week of **May 17, 2021**. Completion is expected by July of this year. The basin is required to be retrofitted due to a federal mandate from the Environmental Protection Agency (EPA) and PADEP to remove pollutants from the Township's stormwater runoff. Retrofitting the basins from detention basins into bioretention facilities will reduce the pollutants that enter our stormwater runoff that would eventually reach the Cedar Run, Yellow Breeches Creek, Susquehanna River, and eventually the Chesapeake Bay.

The retrofit project will involve several steps:

1. Excavate and remove existing soil in basin bottom.
2. Amend topsoil by combining it with compost to create a higher level of soil porosity.
3. Plant native plants with deep root systems in the basin bottom to filter out pollutants and infiltrate stormwater.
4. Construct a stone berm at the outlet structure of the basin to hold a shallow volume of water for a short period of time to retain runoff from small storms for treatment and infiltration.

If you have any questions regarding any of the upcoming projects, please contact Rebecca Davis, Stormwater Program Manager, at rdavis@latwp.org, or 717-975-7575 ext. 1010.

Moreland Basin (Existing Conditions)



Lower Allen Township, PA

May 27 · 🌐



LATWP.ORG

Stormwater Authority 6-3-2021 Meeting

Stormwater Authority 6-3-2021 Meeting Posted on May 27, 2021 By Helen Grundon In Stormwater Authority Agendas, Township News The June 3rd, 2021 Stormwater Authority meeting has been



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Lower Allen Township, PA

May 27 · 🌐

Bioretention Basin Maintenance Update

The Township retrofitted two stormwater detention basins into bioretention facilities this past fall as part of our Pollution Reduction Plan required by the Pennsylvania Department of Environmental Protection. One of the basins is located at our public works facility, 1400 Saint Johns Road. The other basin is located at the entrance to the Sheepford Crossing subdivision at Lisburn and Sheepford Roads.

The Township is performing quarterly maintenance to the basins to remove invasive species and weeds, sediment buildup, replace plantings and correct erosion issues. The native plantings in the basin will take time to mature and develop. The first several years of routine quarterly maintenance are crucial to the bioretention facility's performance to remove pollutants from our stormwater runoff.





Lower Allen Township, PA

May 27 · 🌐

The newest bioretention project to manage stormwater runoff is the Moreland Basin. Here are some pics of the progress.



👍 8

1 Comment

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

June 14 · 🌐

New mulch and jute matting installed in the Moreland basin. 5,000 native plug plantings will be installed the week of 6/21/21



👍 15

1 Comment 1 Share

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

June 14 · 🌐

Pennsylvania American Water awarded Lower Allen Township a \$5,000 Environmental Grant to test water quality samples.



👍 22

1 Comment 2 Shares

👍 Like

💬 Comment

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Lower Allen Township, PA

June 15 · 🌐

After the last cleanup event a lot of people said that they'd like to participate next time. Well, next time is July 18th. Registration forms are available at www.ybwatershed.org.

We need paddlers to be on the water, but also ground crew to meet the paddlers at various points to collect the trash that has been pulled out of the Creek.

Yellow Breeches Family Creek Cleanup

Sunday, July 18, 2021

Lower Allen Community Park – Fernlawn Pavilion
12:00 Noon – 6:00 p.m.

Includes:

- Bag lunch
- Guided paddle and cleanup from kayaks and canoes
- Gloves and trash bags
- Pizza after the cleanup
- And more!

\$10 donation encouraged to offset insurance costs. Participants must bring their own canoe or kayak, life jacket, paddles, and water bottles. Due to COVID-19, participants are asked to arrange their own shuttles from Creekwood Park in Allendale back to Lower Allen Park where we'll take a group photo and enjoy pizza after the cleanup. Boat shuttles will be offered.

Registration forms available at:

www.ybwatershed.org



Lower Allen Township, PA

June 25 at 6:40 AM · 🌐

Stormwater Authority

LATWP.ORG

Stormwater Authority 7-1-2021 Agenda

Stormwater Authority 7-1-2021 Agenda Posted on June 25, 2021 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



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Lower Allen Township, PA

June 25 at 2:45 PM · 🌐

Work is just about finished at the Moreland bioretention basin.



👍 9

1 Share

👍 Like

💬 Comment

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MS4 UPDATES

Stormwater Pollution Prevention

Automotive Maintenance – Oil, grease anti-freeze and other toxic automotive liquids often make their way into the storm drain system and are not treated prior to reaching the Yellow Breeches Watershed. This contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices below to prevent pollution and protect public health.

Cleaning Auto Parts

Scrape parts with a wire brush rather than liquid cleaners. Do not wash parts or equipment in a sink, parking lot or driveway.

Storing Hazardous Waste

Keep your liquid waste separated. Many fluids can be recycled via hazardous waste disposal companies if they are not mixed. Store all materials under cover with spill containment or inside to prevent stormwater runoff.

Preventing Leaks and Spills

Place drip pans underneath vehicles to capture fluids. Use absorbent cleaning agents instead of water to clean work areas.

Cleaning Spills

Use dry methods for spill cleanup such as sweeping and absorbent materials. Sweep spill material into an appropriate receptacle and dispose of properly.

Proper Disposal of Hazardous Waste

Dispose of used motor oil and oil filters, anti-freeze, and other hazardous automotive fluids properly. Cumberland County has a hazardous waste disposal program. More information is available at: <https://www.ccpa.net/3499/2020-HHW-Disposal-Program>



VOLUNTEER SPOTLIGHT MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

The Commissioners of Lower Allen Township would like to offer their sincere appreciation to Girl Scout Cadette Troop 11523, led by Mrs. Dana Facius and Mrs. Christina Dryden, for volunteering their time to mark stormwater inlets in the Allendale Community! The troop marked over 2/3 of the stormwater inlets in the neighborhood on June 20, 2020. The goal of the volunteer MS4 volunteer program is to help our community understand that anything that enters the storm drains goes to our local streams and rivers untreated and to involve individuals in outreaching to residents of our community by participating in environmental educational activities throughout the Township. The troop earned a badge for efforts for World Thinking Day from the Girl Scout Organization.



Girl Scouts pictured from Left to Right: Madison Facius, Lily Dryden, Kiara Becker, Zarifa Gamble, Evie Dryden

MS4 UPDATES • SHOVELING YOUR DRIVEWAY



Municipal Separate Storm Sewer System (MS4) Update Conserving Water this Fall

WHAT YOU CAN DO TO MANAGE STORMWATER ON YOUR PROPERTY THIS SEASON:

- **Plant trees.** Fall is a perfect time for planting trees and shrubs. Be sure to plant species native to PA.
- **Prune your trees, shrubs, and perennials.** Fall is the best time to prune trees and other plants in your yard. Pruning allows them to jump-start their growth and utilize more stormwater.
- **Clear leaves and debris from gutters.** Clearing leaves and other debris from your gutters from leaves and other debris will avoid overflows of stormwater that could cause damage on both the interior and exterior of your home.
- **Keep storm drains near your property clear of trash and debris.** Since they flow directly into local waterways, it is important that only water enters storm drains. Leaves and debris can block stormwater from flowing into the storm drains and can cause localized flooding.



A smart way to shovel your drive

How to reduce the possibility of getting a huge pile of snow in your driveway opening when snowplows clear your street:



MS4 NEWS • AMBULANCE SUBSCRIPTIONS

MS4 Update: Snow and Stormwater Runoff

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



- * After shoveling, pile snow in locations where the snow will have the best opportunity to infiltrate into the ground instead of becoming stormwater runoff. Choose areas where you do not usually have ponding on your property, and relatively flat areas if possible.
- * Clear your downspouts to allow melting roof snow to flow and not collect at your foundation.
- * Do not pile snow on storm drains.
- * Use de-icing chemicals and salts sparingly.
- * Delay outdoor construction projects in winter if possible, to avoid muddy conditions on your property.
- * Watch for areas on your property that are eroding during snow melt and develop a plan to improve these areas in spring using plants to slow and stop erosion, like native plantings.

LEAF COMPOST NOT AVAILABLE IN 2021

Lower Allen Township is in the midst of a multi-year program of stormwater bioretention projects as part of our Pollution Reduction Plan (PRP). Upcoming projects include retention basins in Sheepford Crossing, the Village of Moreland, and The Heights of Beacon Hill.

Part of the bioretention construction process is to amend the topsoil with organic material. The Township is using leaf compost to amend the soil, and because of the volume needed for the upcoming projects there will not be any leaf compost available for home use in 2021.



Ambulance Subscription Renewals

The 2021 Ambulance Subscription Renewals were mailed in December. Ambulance Subscriptions are good for the calendar year of 2021. The Board of Commissioners set the Subscription rates for 2021 at \$75 for a Single Subscription and \$95 for a Household Subscription. If you did not receive a subscription form, or if you have any questions please contact Bev Putric at 975-7575, ext. 1205.

Why have a subscription? The cost of a trip in an ambulance is very high and insurance generally does not pay the full bill. By becoming a subscriber, if you call 911, are transported to a hospital and the transport is deemed medically necessary, Lower Allen EMS will accept the insurance company payment as payment in full for your first trip. Subscriptions do **not** cover routine transportation, transportation for stretcher or wheelchair, or transportation that is not medically necessary. You are responsible for additional mileage costs if you are transported past the closest appropriate facility.

MS4 UPDATES

2021 Spring Stormwater Project

As part of our Pollution Reduction Plan (PRP) mandated by the Pennsylvania Department of Environmental Protection (PADEP), Lower Allen Township will be retrofitting a stormwater detention basin into a Bioretention Facility this year on Township owned property. The project location is as follows:

Moreland Basin - Oxford Drive – the basin is located at the rear of Oxford Drive in the Moreland Community.

The project is currently out to bid with construction beginning late spring. Completion is expected by July of this year. The basin is required to be retrofitted due to a federal mandate from the Environmental Protection Agency (EPA) and PADEP to remove pollutants from the Township's stormwater runoff. Retrofitting the basins from detention basins into bioretention facilities will reduce the pollutants that enter our stormwater runoff that would eventually reach the Cedar Run, Yellow Breeches Creek, Susquehanna River, and eventually the Chesapeake Bay.

The retrofit project will involve several steps:

1. Excavate and remove existing soil in basin bottom.
2. Amend topsoil by combining it with compost to create a higher level of soil porosity.
3. Plant native plants with deep root systems in the basin bottom to filter out pollutants and infiltrate stormwater.
4. Construct a stone berm at the outlet structure of the basin to hold a shallow volume of water for a short period of time to retain runoff from small storms for treatment and infiltration.

There will be additional stormwater basin retrofit projects in Lower Allen Township in the coming years as part of our PRP. Look for stormwater project updates in future articles of the *Township Newsletter*. If you have any questions regarding any of the upcoming projects please contact Rebecca Davis, Stormwater Program Manager, at rdavis@latwp.org, or 717-975-7575 ext. 1010.

Moreland Basin (Existing Conditions)



MS4 UPDATES • STORMWATER HERO

Spring Rains and Stormwater Drains

Lower Allen Township's storm drains funnel rainwater to the Cedar Run and Yellow Breeches Creek. With spring showers on their way, it is important to remember that pollutants and debris washed into these drains when it rains are not carried to a treatment plant, but enter the Cedar Run and Yellow Breeches Creek directly. This is the same water that we rely on for drinking and recreation. Storm drains clogged by debris also can lead to storm water flooding that creates safety hazards and costly property damage.

Storm Drain

Remember these tips to help protect public health, property, and the environment:

- ✦ Sweep grass clippings, leaves and other debris off the street and away from storm drains.
- ✦ Properly dispose of all waste in trash receptacles or recycling bins.
- ✦ Use fertilizers and pesticides sparingly on your yard and landscaping.
- ✦ Never dump, pour, or wash oil, chemicals, paint, yard debris, trash, or other substances down a storm drain.
- ✦ When it snows, try to shovel ice and snow away from storm drains to maintain a clear opening.



Looking for a local hero?

Well, they come in all forms... and ages! Lilly Dolan is a senior at Cedar Cliff high School, and she is on a mission. "The earth is our home, and it needs to be cared for," Truer words have never been spoken, and at age 18, Lilly is well on her way to a life full of difference-making. As a member and a student leader of the marching band, Lilly took a critical look at a tradition of using duct tape to mark the parking lot where they practiced for years. The tape was used to help with positioning during rehearsals. The problem was that after practice, the tape remained. That is, until it began to disintegrate and wear off. As duct tape breaks down, several thin layers of plastic peel off. Their practice lot, like many other lots in our area, drain directly to the Yellow Breeches, then to the Susquehanna River, and then as we all know...the Chesapeake Bay. As Lilly began to evaluate the situation, she realized that "there was duct tape all over the place. In the grass, in the cracks of the sidewalks and concrete, in the drain, everywhere." Just how to remove the remnants of the tape became the issue. So, like any scientist, Lilly experimented. "I had spent some of my free time looking into ways to remove the tape safely and effectively and I was anxious to start the removal process." Once she had figured out the best method, getting it done was the next hurdle. "If I could have scraped all of the tape off of the lot I would have, but the job was simply too big." Lilly asked for volunteers from the band, gathered scrapers, wire brushes and shop vacs and went to work. Several hours later, Lilly and her crew were able to look back with satisfaction at the job they had accomplished.

So, what are the take-aways? "If there is anything I've learned from my years in high school, it is to be relentless." Because of Lilly's persistence, the community, our waterways, and the world are a little better today.

Article written by Justin Weaver CCHS Biology/Environmental Biology Teacher

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #4 – WEBSITE

LOWER ALLEN TOWNSHIP, PA – A Township of the First Class

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MS4 Stormwater

Home » MS4 Stormwater



STORMWATER UPDATES

20 JUN 2018 /



PET WASTE AND STORMWATER

13 APR 2018 /



LEAVE IT ON YOUR LAWN

13 APR 2018 /



STORMWATER SENTRIES

13 APR 2018 /

Stormwater/MS4 Information

WHAT IS MS4?



HOW DOES THE PERMIT WORK?



► MS4 Information

► Public Participation & Education

► Illicit Discharges

► Best Management Practices (BMPs)

► Resources

► MS4 Stormwater Forms

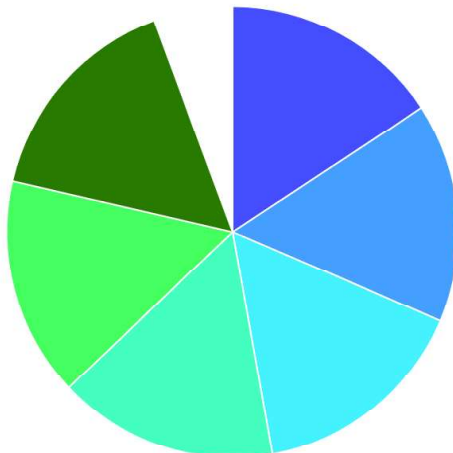
Sheepford Crossing West Bioretention Retrofit Project

Sheepford Crossing West Bioretention Retrofit Project

Lower Allen Township



6 Minimum Control Measures



Minimum Control Measures

Each MCM has several suggested Best Management Practices (BMPs) associated with it to guide Lower Allen Township in program development, tracking, and reporting.

MINIMUM CONTROL MEASURES

LOWER ALLEN TOWNSHIP, PA – A Township of the First Class

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Public Participation & Education

[Home](#) » [Public Participation & Education](#)

You can help in many ways! If you are interested in working with the Township to increase public awareness or get involved in one of our public participation programs (a few are outlined below), please call us at 717-975-7575 ext. 1010.

[MS4 Information](#)[Public Participation & Education](#)[Illicit Discharges](#)[Best Management Practices \(BMP's\)](#)[Resources](#)[MS4 Stormwater Forms](#)

MARKING INLETS

[MARKING INLETS](#)

LEAF COMPOSTING

[LEAF COMPOSTING](#)

YARD WASTE DROP OFF

[YARD WASTE DROP OFF](#)

Homeowners Guide to Stormwater BMP Maintenance

[Homeowners Guide](#)[READ MORE](#)

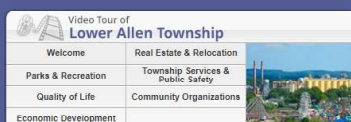
Stream Maintenance Booklet

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Stormwater Smart Video

[Stormwater Smart Video](#)[WATCH HERE](#)

PA DEP Manual

[PA DEP Manual](#)[READ MORE](#)

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Illicit Discharges

[Home](#) » [Illicit Discharges](#)

What is an Illicit Discharge?

An illicit discharge is an unlawful act of disposing, dumping, spilling, emitting, or other discharge of any substance other than stormwater into the stormwater drainage system. The stormwater drainage system includes streets, ditches, catch basins, yard inlets, and streams.

Examples of Illicit Discharge include:

- Paint being poured into or near the storm drainage system
- Changing oil or antifreeze over or near a storm structure
- Washing vehicles where the runoff could drain into the storm drainage system
- Washing dumpster pads and allowing the runoff to drain into the storm drainage system
- Dumping grass clippings into a stormwater basin or inlet or into the street

Illicit discharges cause water pollution by sending pollutants directly into creeks, streams, ponds, and lakes. Be sure you know what illicit discharges are so you can help prevent water pollution and keep our streams clean!

Please help Lower Allen Township to prevent water pollution. Call the Township at 717-975-7575 ext. 1010 to report an Illicit discharge or any type of water pollution in our streams or stormwater drainage system. You can also complete the illicit discharge reporting form below and e-mail it to Rebecca Davis, Township MS4 Coordinator, at rdavis@latwp.org.

[MS4 Information](#)[Public Participation & Education](#)[Illicit Discharges](#)[Best Management Practices \(BMP's\)](#)[Resources](#)[MS4 Stormwater Forms](#)Date

?

Name Email Phone Number

?

What type of incident do ☐ Dumping down a storm drain
you wish to report? (Check
all that apply)

What type of incident do ☐ Suspicious Discharge from a pipe into a stream
you wish to report?

What type of incident do ☐ Unusual color of water in a stream
you wish to report?

What type of incident do ☐ Strange smells in stream
you wish to report?

What type of incident do ☐ Suspicious suds or other substance floating on water
you wish to report?

What type of incident do ☐ Death of aquatic creatures
you wish to report?

Address of Incident

?

Closest Cross Street

?

Body of Water Impacted

?

Date of Incident

?

Time of Incident

?

captcha field swy3j13

LOWER ALLEN TOWNSHIP, PA – A Township of the First Class

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Best Management Practices (BMPs)

Home » Best Management Practices (BMPs)



Click on image to expand

Best Management Practices include designed stormwater management systems as well as non-engineered facilities like keeping areas as open space for stormwater management.

The goal of BMPs is to reduce the impact of development and impervious cover on downstream properties, streams, and lakes by:

- Minimizing runoff
- Slowing down runoff
- Runoff Infiltration and filtering
- Evapotranspiration of runoff (Vegetation)

Some examples of BMPs include:

- Rain Gardens (Bioretention Areas)
- Infiltration Trenches
- Pervious Pavement
- Vegetated Swales

If you have a BMP on your property you are required to make sure that it is functioning properly. This includes yearly inspections and maintenance to the BMP. Typically, a maintenance agreement for the BMP is recorded and would be discovered during the title search for your property. The Township will send yearly inspection reports for completion and return to ensure that the BMP is being maintained as required. A guide for BMP maintenance is included below as well as a BMP Reporting form.

MS4 Information

Public Participation & Education

Illicit Discharges

Best Management Practices (BMP's)

Resources

MS4 Stormwater Forms

Stormwater Management on Construction Sites

Best Management Practices for Stormwater Management on Construction Sites

CLICK HERE

PADEP Homeowners BMP Guide

PA DEP Homeowners BMP Guide

READ MORE

BMP Reporting Form

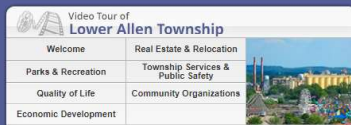
BMP Reporting Form

REPORTING FORM

Residential Guide for Raingarden

Residential Guide for Constructing Your Own Raingarden

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MS4 Stormwater Forms

Home » MS4 Stormwater Forms

Annual Stormwater Best Management Practices (BMP) Inspection Forms.

Please select the correct form for your BMP type.

» MS4 Information

» Public Participation & Education

» Illicit Discharges

» Best Management Practices (BMP's)

» Resources

» MS4 Stormwater Forms

Infiltration Trench

Infiltration Trench Form

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

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Permeable Pavement

Permeable Pavement

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

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Rain Garden

Rain Garden

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

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Riparian Buffer

Riparian Buffer

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

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Stormwater Basin

Stormwater Basin

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

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Water Quality Insert

Water Quality Insert

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

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Pennsylvania Department of Environmental Protection

Pennsylvania Department of Environmental Protection

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Environmental Protection Agency

Environmental Protection Agency

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Penn State College of Agricultural Science

Penn State College of Agricultural Science

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Stormwater PA MS4 Website

Stormwater PA MS4 Website

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Cumberland County Recycling and Waste Disposal

Cumberland County Recycling and Waste Disposal

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Alliance for the Chesapeake Bay

Alliance for the Chesapeake Bay

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Lower Allen Township MS4 Brochure

Lower Allen Township MS4 Brochure

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Homeowner's Guide to Stormwater

Homeowner's Guide to Stormwater

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Lower Allen Township Stormwater FAQ's

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Arcadis Stormwater Fee Presentation

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Yellow Breeches Creek Watershed Assessment

Yellow Breeches Creek Watershed Assessment

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Yellow Breeches Creek Rivers Conservation Plan

Yellow Breeches Creek Rivers Conservation Plan

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PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #5 – RESTAURANT OUTREACH FLYER

MS4 OUTREACH PROJECT

Date: May 12, 2021

Description: Mailer to 113 food and restaurant establishments in Lower Allen Township

Attachments

- Flyer: *Food & Restaurant Stormwater Pollution Prevention in Lower Allen Township*
- Mailing List

Food & Restaurant Stormwater Pollution Prevention in Lower Allen Township



Food waste, grease, cleaning fluids, mop water and trash from restaurant operations can make their way into Lower Allen Township's creeks and streams. This can pollute drinking waters and contaminate streams. Follow these best management practices (BMPs) to reduce stormwater pollution and keep Lower Allen Township's waterways clean and healthy!



For additional information on Stormwater Pollution Prevention in **Lower Allen Township** please contact Rebecca Davis, Stormwater Program Manager at 717-975-7575 x 1010 or via Email: rdavis@latwp.org

Oil & Grease

Do not pour oil or grease into sinks, floor drains, or onto a parking lot or street. Keep grease bins covered and contained. Keep your grease interceptor maintained to prevent sewer overflows or backups and keep records of grease waste hauling.



Cleaning & Maintenance

Clean equipment, floor mats, filters and garbage cans in a mop sink, wash rack, or floor drain connected to the sewer through a grease trap. Do not wash them or pour wash water in a parking lot, alley, or street.



Dumpster Areas

Keep dumpster lids closed and the areas around them clean and free of debris. Do not fill a dumpster with liquids or hose them out. Call your trash hauler to replace any dumpsters that are damaged or leak.



Managing Spills

Clean food spills in loading and trash areas by using absorbent materials and then sweeping and mopping. Have spill cleanup and containment kits available.



Name	Address	City, State	Zip
5 BROTHERS PIZZA	3401 HARTZDALE DR STE 121	Camp Hill, PA	17011
ALDI #76	3437 SIMPSON FERRY RD	Camp Hill, PA	17011
AMC CAMP HILL 12	3431 SIMPSON FERRY RD	Camp Hill, PA	17011
AMORE PIZZA	1430 Market House LN	Mechanicsburg, PA	17055
ASBURY - BETHANY VILLAGE - EAST	325 Wesley DR	Mechanicsburg, PA	17055
AUNTIE ANNE'S PA #200	3475 CAPITAL MALL DR	Camp Hill, PA	17011
BASIL LEAF THAI CUISINE	5202 SIMPSON FERRY RD STE 112	Mechanicsburg, PA	17050
BEERHANI GROCERY STORE	4 W Main ST	Camp Hill, PA	17011
BIG RAYS BURGERS AND DOGS	3619 SIMPSON FERRY RD	Camp Hill, PA	17011
BJ'S WHOLESALE CLUB #25	3805 HARTZDALE DR	Camp Hill, PA	17011
BLAZE PIZZA	3595 CAPITAL CITY MALL DR	Camp Hill, PA	17011
BONEFISH GRILL	3505 GETTYSBURG RD	Camp Hill, PA	17011
BREAKFAST CLUB DINER THE	1104 CARLISLE RD	Camp Hill, PA	17011
BREWHOUSE GRILLE	2050 STATE RD	Camp Hill, PA	17011
BRUSTER'S REAL ICE CREAM	3519 HARTZDALE DR	Camp Hill, PA	17011
BURGER KING #554	3555 OLD GETTYSBURG RD	Camp Hill, PA	17011
CAFE MAGNOLIA	4700 GETTYSBURG RD	Mechanicsburg, PA	17055
CAPITAL CITY CONVENIENCE	3977 Capital City Mall DR	Camp Hill, PA	17011
CEDAR CLIFF PIZZA	1055 CARLISLE RD	Camp Hill, PA	17011
CH MART	2205 GETTYSBURG RD	Camp Hill, PA	17011
CHARLEY'S PHILLY STEAKS (CAPITAL CITY	3506 Capital City Mall DR SPC FC5	Camp Hill, PA	17011
CHINA TEA HOUSE	4912 Louise DR	Mechanicsburg, PA	17055
COMFORT INN CAPITAL CITY	1012 WESLEY DR	Mechanicsburg, PA	17055
COUNTRY INN & SUITES	4943 GETTYSBURG RD	Mechanicsburg, PA	17055
COURTYARD BY MARRIOTT	4921 GETTYSBURG RD	Mechanicsburg, PA	17055
CREEKSIDE GRILL	3921 Lisburn RD	Mechanicsburg, PA	17055
DAVE AND BUSTERS	3503 Capital City Mall DR	Camp Hill, PA	17011
DICKEY'S BARBECUE PIT	3401 HARTZDALE DR STE 112	Camp Hill, PA	17011
DQ ORANGE JULIUS	3652 CAPITAL CITY MALL DR	Camp Hill, PA	17011
EDIBLE ARRANGEMENTS	3401 HARTZDALE DR	Camp Hill, PA	17011
FLINCHY'S	1833 HUMMEL AVE	Camp Hill, PA	17011
FUSION FIRE	3421 SIMPSON FERRY RD	Camp Hill, PA	17011
GERTRUDE HAWK CHOCOLATES	3508 CAPITAL MALL DR	Camp Hill, PA	17011
HAPPY BOX BREAKFAST LUNCH & DINER	3625 SIMPSON FERRY RD	Camp Hill, PA	17011
HEMAUER BREWING CO.	1010 Wesley Drive STE 109	Mechanicsburg, PA	17055
HEWLETTS HOT SAUSAGE	200 Belaire Drive	Camp Hill, PA	17011
HICKORY FARMS #11229	CAPITAL CITY MALL	Camp Hill, PA	17011
HIGHWAY MANOR BREWING	2238 Gettysburg RD	Camp Hill, PA	17011
HOMEWOOD SUITES HOTEL	5001 RITTER RD	Mechanicsburg, PA	17055
HUNAN EXPRESS RESTAURANT LLC	1010 WESLEY DR STE 108	Mechanicsburg, PA	17055
IDEA COFFEE MFF TYPE 3	1303 Saxton WAY	Mechanicsburg, PA	17055
ISAAC'S DELI	4940 RITTER RD	Mechanicsburg, PA	17055
JOEY'S CHICKEN SHACK	1104 Carlisle RD	Camp Hill, PA	17011
JUBA HALAL MARKET	5247 Simpson Ferry RD	Mechanicsburg, PA	17050
JUICE-N-JAVA	5258 SIMPSON FERRY RD	Mechanicsburg, PA	17050

KARVON RESTAURANT	3433 SIMPSON FERRY RD UNIT A	Camp Hill, PA	17011
KING TUT CONVENIENCE(EXON GAS)	1004 WESLEY DR	Mechanicsburg, PA	17055
LOWER ALLEN DINER	3449 SIMPSON FERRY RD	Camp Hill, PA	17011
MARZONI'S BRICK OVEN AND MICRO BR	4925 Ritter RD	Mechanicsburg, PA	17055
MASALA BISTRO INDIAN RESTAURANT	3401 HARTZDALE DR STE 120	Camp Hill, PA	17011
MCDONALD'S #00451	1100 CARLISLE RD	Camp Hill, PA	17011
MCDONALD'S #15788	1014 WESLEY DR	Mechanicsburg, PA	17055
MOE'S BAR AND GRILL	4709 GETTYSBURG RD	Mechanicsburg, PA	17055
MOMO BBQ CO	4916 Louise Drive	Mechanicsburg, PA	17055
MONKEY JOE'S ACM GROUP LLC	3608 HARTZDALE DR	Camp Hill, PA	17011
NEATO BURRITO MECHANICSBURG	5238 SIMPSON FERRY RD	Mechanicsburg, PA	17050
NEW CHINA II	1104 CARLISLE RD	Camp Hill, PA	17011
NIKOLI'S PIZZA & CATERING	3904 OLD GETTYSBURG RD	Camp Hill, PA	17011
NYREE'S RESTAURANT	1104 CARLISLE RD	Camp Hill, PA	17011
OUTBACK STEAKHOUSE	1201 LOWER ALLEN DR	Camp Hill, PA	17011
PANDA CHINESE KITCHEN	3451 CAPITOL MALL DR	Camp Hill, PA	17011
PAPA JOHN'S PIZZA	1010 Wesley DR	Mechanicsburg, PA	17055
PIZZA GRILLE #2	3817 GETTYSBURG RD	Camp Hill, PA	17011
PIZZA HUT	3300 HARTZDALE DR STE 113	Camp Hill, PA	17011
POBLANO BURRITO	3401 HARTZDALE DR STE 113	Camp Hill, PA	17011
PRE K GOURMET	4922 Louise Drive	Mechanicsburg, PA	17055
PRIMANTI BROS.	3745 Capital City Mall DR	Camp Hill, PA	17011
RESSLER'S BAGEL	5252 SIMPSON FERRY RD	Mechanicsburg, PA	17050
RITA'S PIZZA DBA ITALIAN DELIGHT	4932 LOUISE DR STE 1 & 2	Mechanicsburg, PA	17055
SAIKOU INC	5250 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SALADWORKS	3506 CAPITAL CITY MALL SPC #6	Camp Hill, PA	17011
SBARROS PIZZA	CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHAWARMA HOUSE	3616 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHEETZ CEDAR CLIFF	1508 CEDAR CLIFF DR	Camp Hill, PA	17011
SHIRLEY RAE'S LLC	1347 Saxton Way	Mechanicsburg, PA	17055
SIMPSON FERRY GULF	3635 SIMPSON FERRY RD	Camp Hill, PA	17011
SMOKER'S EXPRESS	5236 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SNOWFOX - WEIS #125	1195 LOWTHER RD	Camp Hill, PA	17011
SNOWFOX - WEIS #58	5140 Simpson Ferry RD	Mechanicsburg, PA	17055
SPICE BAZAR	2317 GETTYSBURG RD	Camp Hill, PA	17011
SPRING GATE VINEYARD AND BREWERY	1440 Market House LN	Mechanicsburg, PA	17050
STARBUCKS COFFEE #50323	1106 Carlisle RD	Camp Hill, PA	17011
SUBWAY	1010 WESLEY DR	Mechanicsburg, PA	17055
SUBWAY	5234 SIMPSON FERRY RD	Mechanicsburg, PA	17055
SUBWAY #24101	1104 Carlisle RD	Camp Hill, PA	17011
SUBWAY #26913	4910 LOUISE DR	Mechanicsburg, PA	17055
SUBWAY #59266	3401 HARTZDALE DR	Camp Hill, PA	17011
SUBWAY STORE #23860	3506 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SUMMIT FAMILY RESTAURANT	2210 OLD GETTYSBURG RD	Camp Hill, PA	17011
SUNLIGHT DINER	4729 GETTYSBURG RD	Mechanicsburg, PA	17055
SUSHI EXPRESS @ CAPITAL CITY MALL	3644 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SWEET FROG	1104 CARLISLE RD	Camp Hill, PA	17011

TATIANA'S RESTAURANT MEDITERRANEA	4601 Gettysburg RD	Mechanicsburg, PA	17055
TERIYAKI EXPRESS @ CAPITAL CITY MALL	3612 Capital City Mall DR	Camp Hill, PA	17011
TEXAS ROADHOUSE	1101 Lower Allen DR	Camp Hill, PA	17011
THE LODGE AT LIBERTY FORGE	3804 LISBURN RD	Mechanicsburg, PA	17055
THE PEPPERMILL FAMILY RESTAURANT	1010 Wesley DR UNIT 100	Mechanicsburg, PA	17055
THEA	1303 Saxton WAY	Mechanicsburg, PA	17055
THEO'S BAR & GRILLE II	3315 HARTZDALE DR	Camp Hill, PA	17011
TOKYO DINER	5202 SIMPSON FERRY RD STE 108	Mechanicsburg, PA	17050
TONY'S PIZZATOWN	5228 Simpson ferry RD	Mechanicsburg, PA	17050
TOWNE PLACE SUITES	4915 RITTER RD	Mechanicsburg, PA	17055
TRACKS END RESTAURANT	5022 ARTHUR AVE	Mechanicsburg, PA	17055
TUCKEY'S BAKERY OUTLET	2214-B GETTYSBURG RD	Camp Hill, PA	17011
TURKEY HILL MINIT MARKET #236	5150 SIMPSON FERRY RD	Mechanicsburg, PA	17055
VITO'S ITALIAN RISTORANTE	1150 LOWTHER RD	Camp Hill, PA	17011
WALMART #5888	3400 HARTZDALE DR	Camp Hill, PA	17011
WEIS MARKETS #058	5140 SIMPSON FERRY RD	Mechanicsburg, PA	17050
WEIS MARKETS #125	1195 LOWTHER RD	Camp Hill, PA	17011
WENDY'S #6400	3465 SIMPSON FERRY RD	Camp Hill, PA	17011
WHITE HILL CAFÉ% INC	1712 HUMMEL AVE	Camp Hill, PA	17011
ZAIQA KABAB & GRILL	5202 SIMPSON FERRY RD	Mechanicsburg, PA	17050

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #6 – PML STORMWATER FEE PRESENTATION

Establishing a Stormwater Authority & Fee

Lower Allen Township

Rebecca Davis, Stormwater Program Manager



Early Discussions

- Board of Commissioners began discussion around formation of a stormwater authority in fall of 2017 during budget season.
- Aging infrastructure, capital projects, and MS4/NPDES permit compliance could no longer be subsidized through the General Fund due to the substantial funding that would be required.
- The Township Pollution Reduction Plan (PRP) required by our NPDES permit was estimated to cost 3.1 million dollars to implement over a five-year permit period.



Municipal Separate Stormwater Program (MS-4)

Lower Allen Township's MS4 System consists of:

- 110,600 LF of Storm Pipe
- 111 Storm Manholes
- 89 Outfalls
- 634 Inlets
- 130 BMPs (mostly private)
- 60 miles of Township Roads



Benefits of establishing a Stormwater Management Program

- Cleaner streams
 - Improved recreational opportunities
 - Compliance with federal regulatory mandates
 - Reduced flooding hazards
 - Develop community awareness and support
-



Rationalization for formation of Authority



Law requires development of an Authority to enact a fee for 1st class townships (Municipal Authorities Act).



Municipal Authorities can implement stormwater fees to pay for their work. General tax revenue can be conserved for other municipal needs.



Long-term planning of projects will be easier. There will be a guaranteed and dedicated source of revenue for stormwater projects.



Timeline

- Board of Commissioners selected Arcadis to perform a stormwater fee study for the township in February of 2018.
- Outreach meetings for residential and commercial properties owners occurred in June of 2018.
- Board of Commissioners voted in July of 2018 to have the Township Solicitor begin the process of officially forming a stormwater authority and establishing a stormwater fee.
- A public hearing was held on 8/27/2018 to organize the Lower Allen Township Stormwater Authority under the Municipal Authorities Act. An ordinance was passed to appoint members and create the articles of incorporation for the formation of the Authority.
- Stormwater fee study completed in October of 2018.
- Lower Allen Township Stormwater Authority (LATSA) held their 1st organizational meeting on October 4, 2018, and declared a financing authority.
- LATSA enacted a fee resolution in December of 2018.
- The first quarterly stormwater fee bills were mailed in April of 2019.

Lower Allen Public Outreach

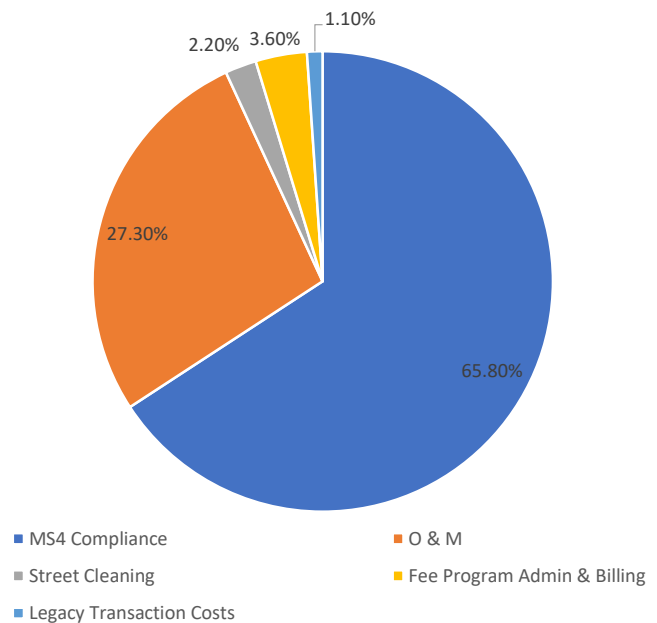
- Public Meetings – Stormwater Advisory Committee
- Newsletter Articles
- Individual Mailings
- Bill Notifications
- Website Notifications



Stormwater Program Budget

Board of Commissioners chose a Full Operation and Maintenance Plan when implementing the stormwater fee

5 Year Stormwater Program Budget



1.2 Million Dollar/Year Budget

Source: Arcadis, Inc.

Flat Rate Fee per ERU



The stormwater fee study determined that Lower Allen Township's average impervious surface area or Equivalent Residential Unit (ERU) to be 3,115 SF per lot (study took a sampling of residential lots and all commercial lots).

The Township chose a flat rate fee structure per ERU for the following reasons:

- Easier to administer and equitable for all properties.
- Required minimal cost and effort to implement and oversee compared to a tiered rate billing option.
- All property owners benefit from a community wide Stormwater Management System that manages stormwater from roads and properties.
- Less likely to be appealed for incorrect impervious area.
- Residential customers pay a flat rate for sewer and trash service (even though the amount of trash or wastewater generated by each property varies). The Stormwater Fee will take a similar approach and will facilitate consistency with these utility fees.
- Commercial and non-residential property owners pay a fee based upon the number of ERUs of impervious area that exist on their property times the rate of \$19/ERU.

Creation of a Stormwater Fee Credit & Appeals Policy

- Township staff drafted a credit and appeals policy for the LATSA board to review. Credits were offered to residential and commercial property owners.
- LATSA reviewed and approved the policy in February of 2019.
- The Township reached out to existing property owners (residential and commercial) that had an existing Best Management Practice (BMP) to encourage them to apply for a stormwater fee credit for their BMP prior to enacting the stormwater fee.
- To date we have issued stormwater fee credits to 64 residential property owners and 28 credits to commercial property owners.
- To date we have received 24 stormwater fee appeals. Four stormwater fee appeals were granted for incorrect impervious area calculations for commercial properties.

Stormwater Management Program
Credit Policy and Appeals Process Manual
Policies & Procedures

LOWER ALLEN TOWNSHIP
STORMWATER AUTHORITY



FEBRUARY 2019

Stormwater Fee Billing



The Township bills over 6,000 customers quarterly



Finance and engineering departments worked simultaneously to create the billing database



Since fee enactment we have less than a 1% delinquency rate

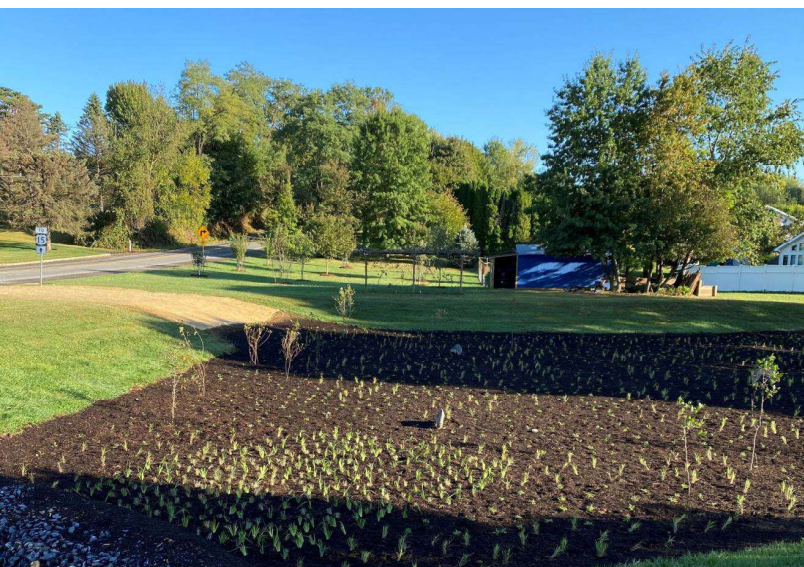


Outreach was pivotal to the initial acceptance of the fee and complaints were minimal

Stormwater Pollution Reduction Plan Projects

Lower Allen Township Public Works Facility Basin – Basin Retrofit Project

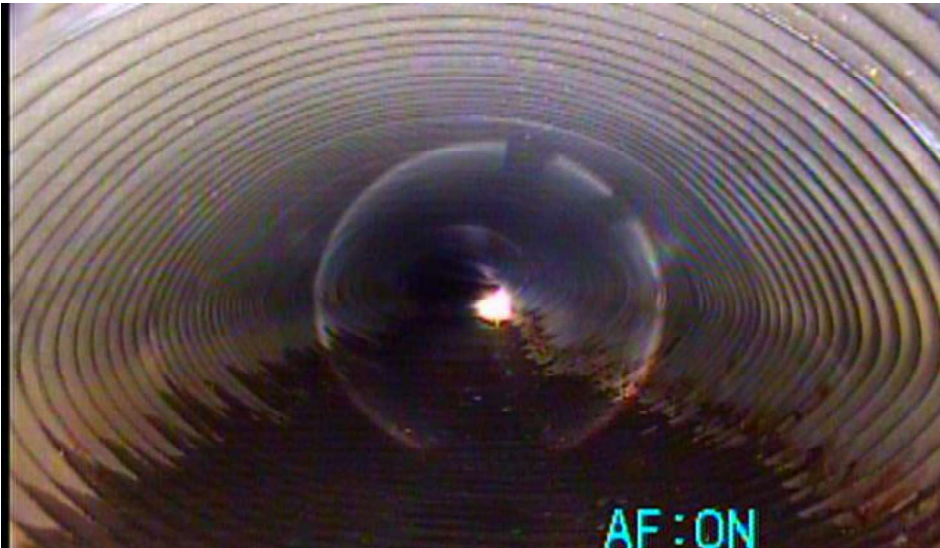




Stormwater Pollution Reduction Plan Projects

Sheepford Crossing Basin Retrofit Project

Stormwater Projects (cont.)



Television Projects

- Stormwater ponding in 2 areas of the Township
- Solicited co-stars quotes for flushing and television of line
- Lining of pipes and inlet replacement scheduled to go out to bid in 2021

Grants – PRP Projects

\$490,160 Total Awards to date



PADEP Mariner 2 Pipeline Grants

Public Works Basin Retrofit Project:

- Awarded a \$63,000 grant

Sheepford West Basin Retrofit Project:

- Awarded a \$136,000 grant



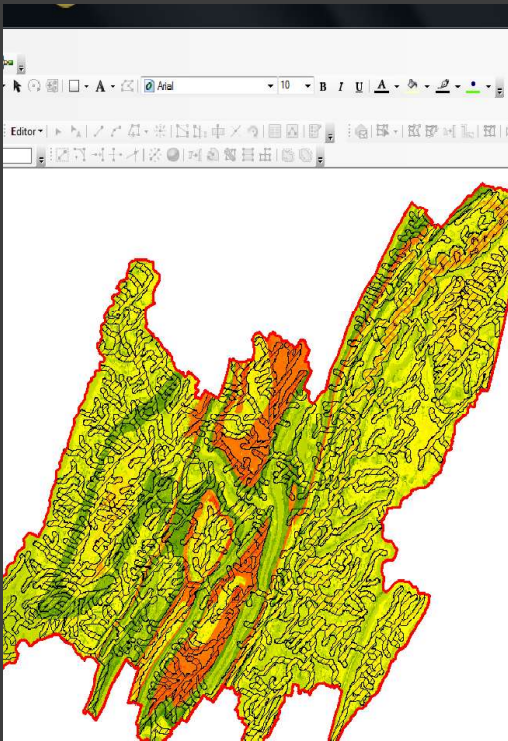
National Fish and Wildlife Foundation Grants

Moreland Basin Retrofit Project:

- Awarded a \$160,485.68 grant with a 15% matching requirement

Sheepford East Basin Retrofit Project:

- Awarded a \$131,625.28 grant with a 15% matching requirement



Next steps.....

- 8 additional PRP projects to complete
- Water sampling required as part of our PRP Appendices
- Ordinance revision required by 2022 – PADEPs model ordinance
- Stormwater infrastructure repair and replacement – coordinated with Township paving projects.
- GIS program updates to stormwater mapping and story map creation to educate the public on our stormwater management program.

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #7 – YELLOW BREECHES WATERSHED ASSOCIATION EVENTS



Yellow Breeches Watershed Association

Annual Gathering (Remote Meeting)

November 19, 2020 6:30 p.m. to 8:00 p.m.

Join Zoom Meeting

<https://zoom.us/j/94806594982>

Meeting ID: 948 0659 4982

One tap mobile

+16465189805,,94806594982# US (New York)

+12678310333,,94806594982# US (Philadelphia)

Agenda

6:30 Welcome and Remarks – Brook Lenker

6:40 MS4 Program Overview and Importance – Shawn Fabian

- **MS4 Permit Components**
- **Chesapeake Bay Pollutant Reduction Plan Overview**
- **Chesapeake Bay Foundation to Sue US EPA Update**

6:45 Speaker – Erin Letavic - HRG

7:00 Speaker – Rebecca Davis – Lower Allen Township

7:20 Experiences from Upper Allen Township - Shawn Fabian

7:40 Q & A with audience and speakers

7:50 Wrap-up remarks – Shawn Fabian

- **Master Watershed Steward Program Update**
- **Board Member Election**
- **Upcoming Events Discussion / Membership Appeal**

8:00 Formal Presentation ends, Board members will be available for additional conversation for a limited time afterwards.

YBWA Board Members

Officers

Brook Lenker, President

Joe Sabadish, Vice President

John Eby, Treasurer

Thomas Kutz, Secretary

Directors

Rich Pugh

Phillip Brath

Shawn Fabian

Andrew Reese

Water Trail Liaison

Dennis Aucker

If you are not a YBWA member or have not renewed your membership for 2021 yet, please consider doing so during this event by visiting our website at www.ybwatershed.org for our online application and paypal donation options.



Sheepford Crossing West Detention Basin Retrofit Project

Lower Allen Township, Camp Hill, PA

Rebecca Davis, Stormwater Program Manager, CBLP



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Project Justification

The project is part of the Township's Pollution Reduction Plan required by the Pennsylvania Department of Environmental Protection (PADEP).

Lower Allen Township is required to reduce sediment in our stormwater runoff by 10% within our 5-year NPDES MS4 PAG-13 Phase II permit cycle.

The Township is retrofitting a total of 10 detention basins into bioretention facilities to achieve this requirement. Total sediment reductions are calculated to be 317,931 pounds/year.

Existing Conditions



Sheepford Crossing West Detention Basin

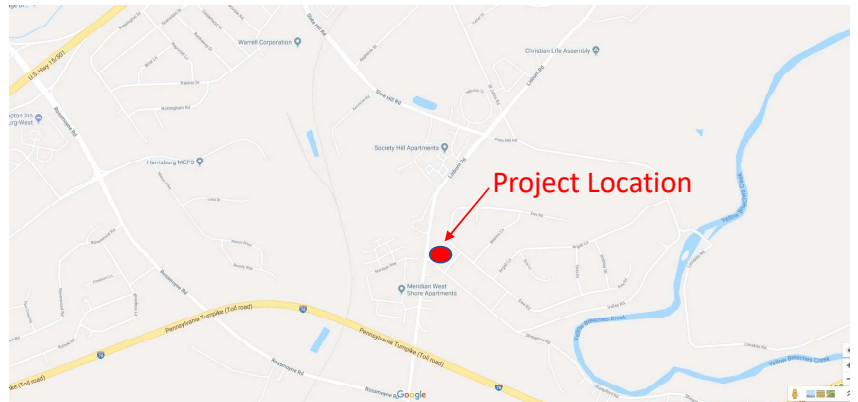
Watershed: Yellow Breeches,
Susquehanna, Chesapeake Bay

Physiographic Region: Ridge
and Valley of PA

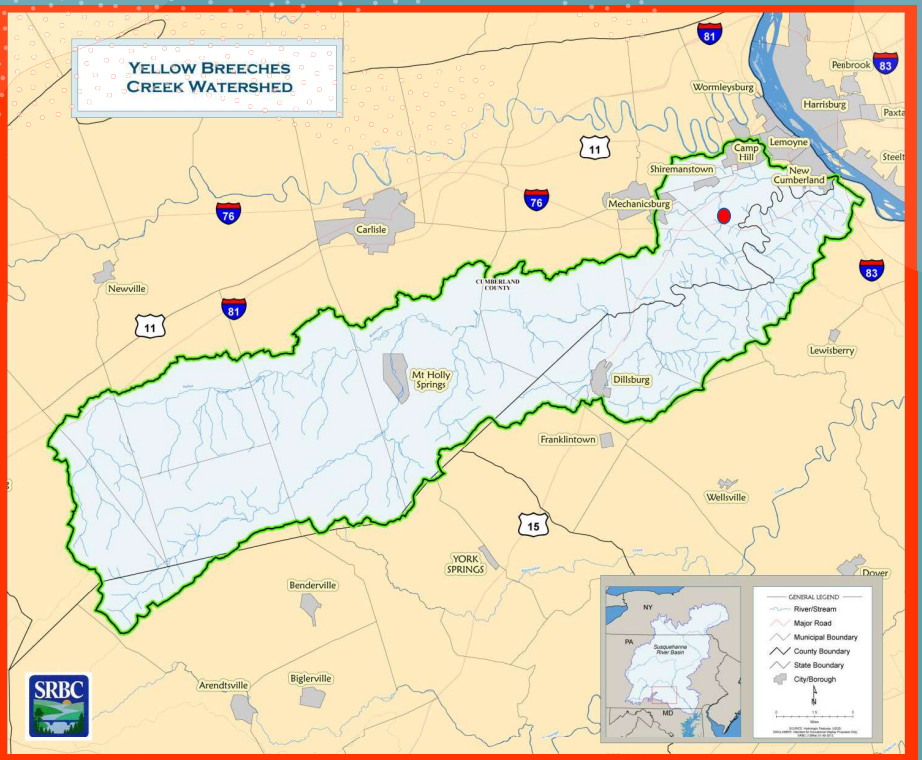
Drainage Area: 32.3 Acres

Design Storm: Original Basin
designed for a 10-Year Storm

Project Location:
Entrance to the Sheepford Crossing Residential
Neighborhood at the
corner of Lisburn and
Sheepford Road.



Yellow Breeches Watershed

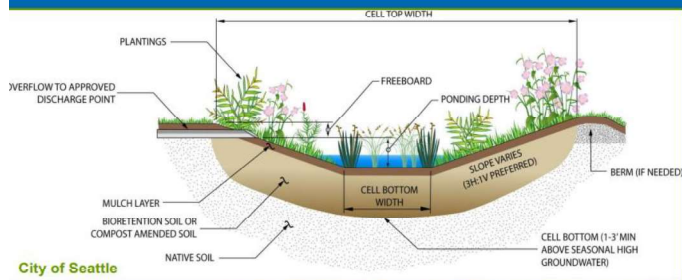


What is a Bioretention Facility?

Bioretention Types

Without Underdrain

- Relies on infiltration to native soil
- Can provide effective flow control and WQ treatment



Bioretention basins are landscaped depressions or shallow basins used to slow and treat on-site stormwater runoff.

Stormwater is directed to the basin and then percolates through the system where it is treated by a number of physical, chemical and biological processes. The slowed, cleaned water is allowed to infiltrate native soils or directed to nearby stormwater drains or receiving waters.



Expected Benefits - How this basin retrofit addresses Non-Point Source Pollution?

The retrofit of this detention basin into a bioretention facility will address the non-point source pollution impairments of the Yellow Breeches in the following ways:

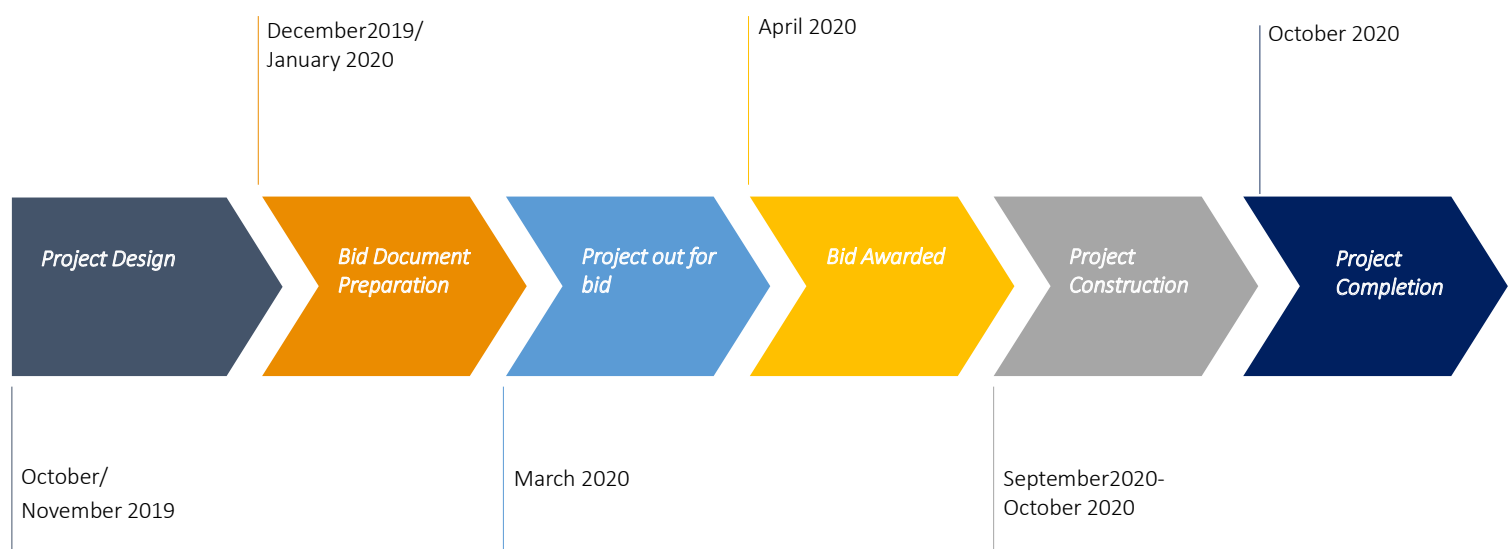
- 1:** The basin will more effectively control runoff from small and more frequent storms.
- 2:** The basin retrofit will protect the receiving waters from polluted runoff by managing the first flush of non-point source pollution and effectively capturing and treating the pollutants found in surface runoff.
- 3:** The vegetation established in the basin will pull pollutants out of stormwater entering the basin and act as a natural filter, treating runoff prior to release.
- 4:** The basin will replenish groundwater by infiltration, releasing less stormwater runoff into the Yellow Breeches watershed.
- 5:** The facility maintenance requirements of the basin will be reduced. Less mowing will be required, and inspections will be minimal after the plants in the basin are established.

The retrofit of this detention basin into a bioretention facility will decrease sediment in Lower Allen Township stormwater runoff by 15,447.70 lbs/year.



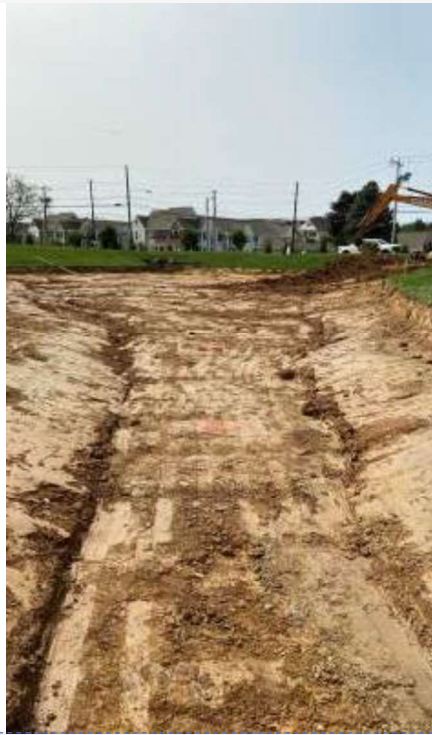
BMP – BASIN RETROFIT INTO A BIORETENTION FACILITY

Sheepford Crossing Project Timeline



Removal of Existing Topsoil

- Excavation and removal of 21" of existing soil in the basin. The top 12" of topsoil was reserved and amended with leaf compost prior to replacing the soil in the facility.
- The basin bottom was scarified prior to replacement of soil/compost mix.



Screening and Amending Topsoil

The remaining topsoil was screened and mixed with leaf compost prior to replacement in the facility. Construction equipment was careful not to cause soil compaction.





Scarifying basin bottom

Scarification, it's one of the most important things related to soil preparation. It's the process of breaking up soil by fracturing or tilling it. The USDA defines it as:

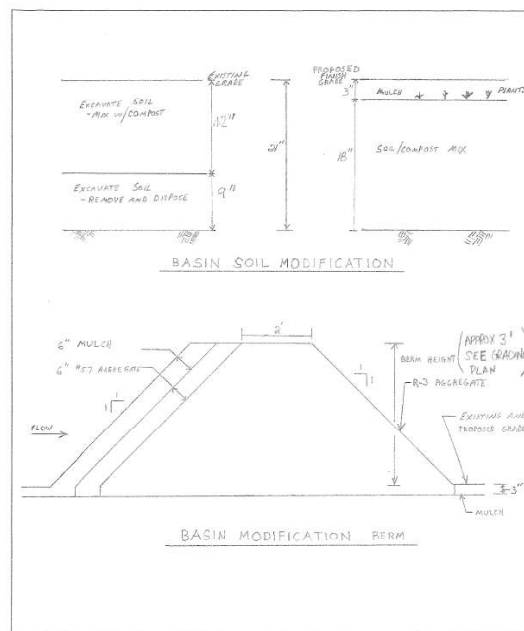
“The tilling or ripping of the soil across the slope using farming or construction equipment. The purposes of this treatment is to loosen and mix the soil profile in order to create a better seedbed and improve infiltration. It can be done many ways, depending on the size of the project.



Amended soil placement

The remaining topsoil was screened and mixed with leaf compost prior to replacement in the facility. Construction equipment was careful not to cause soil compaction.





LOWER ALLEN TOWNSHIP

By: D.J. Pflum
Date: 3-12-2020

STORMWATER BASIN MODIFICATION DETAILS

Exhibit 1-A

NAS



Stone berm construction

1. Installation of stone berm at the outlet structure of the basin.
2. R-3 Aggregate rock was placed to a berm height of 3 feet.
3. Front facing slope of the berm was covered in 6" of #57 aggregate and 6" of mulch.
4. The berm facilitates stormwater to pond in the basin for treatment by plantings and infiltration.

Mulch Placement



- 2" of mulch was sprayed into the basin after the soil amendment (design amendment).
- The mulch will maintain moisture in the soil and help to keep weeds from germinating.
- Mulching was performed prior to plant placement to keep weed germination at a minimum prior to planting.



Basin Planting



Why Native Plants?

- Native plants to our region thrive without additional watering, fertilizers, pesticides, or special maintenance
- Deeper root systems improve soil health, prevent erosion, and HELP to reduce runoff pollution.
- Pollinators depend upon these plants for survival.



Non-Natives

Spirea



Daylillies



Perennial
Fountain
Grass



Fescue
Turf



Buffalo
Grass



Prairie
Dropseed



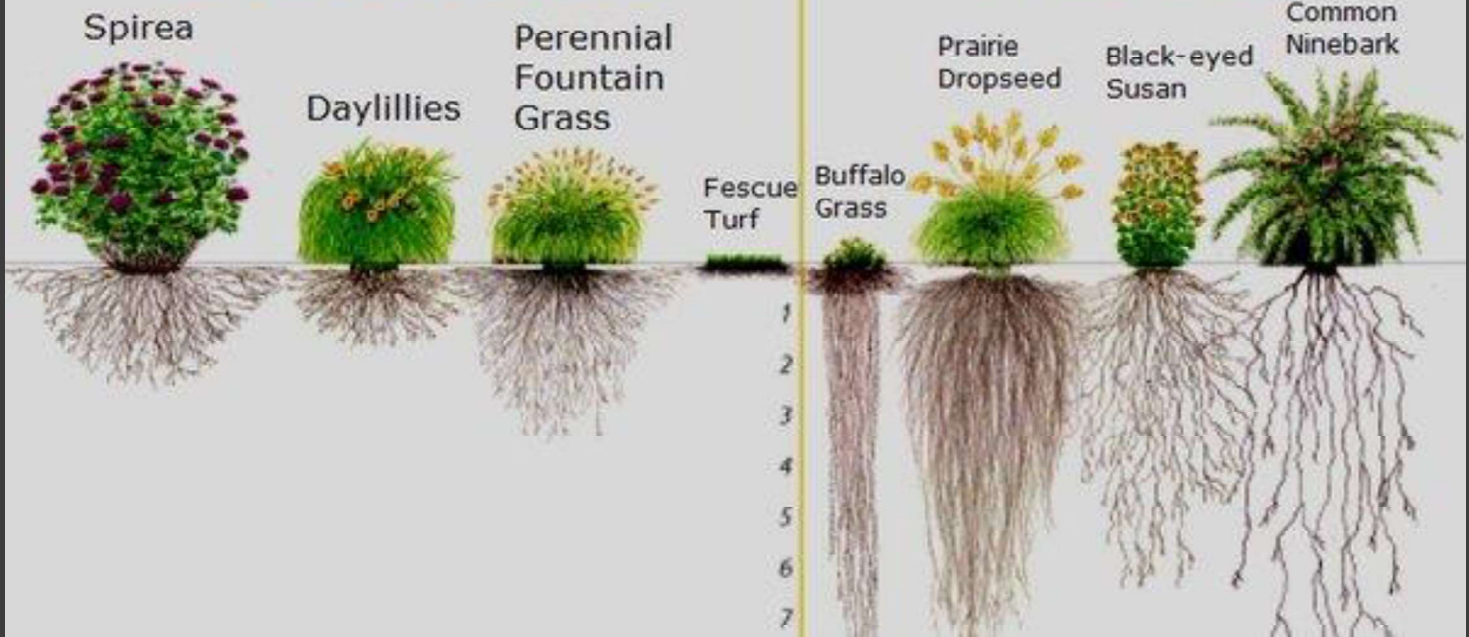
Black-eyed
Susan



Common
Ninebark



Natives



Sheepford Crossing West

Plant List

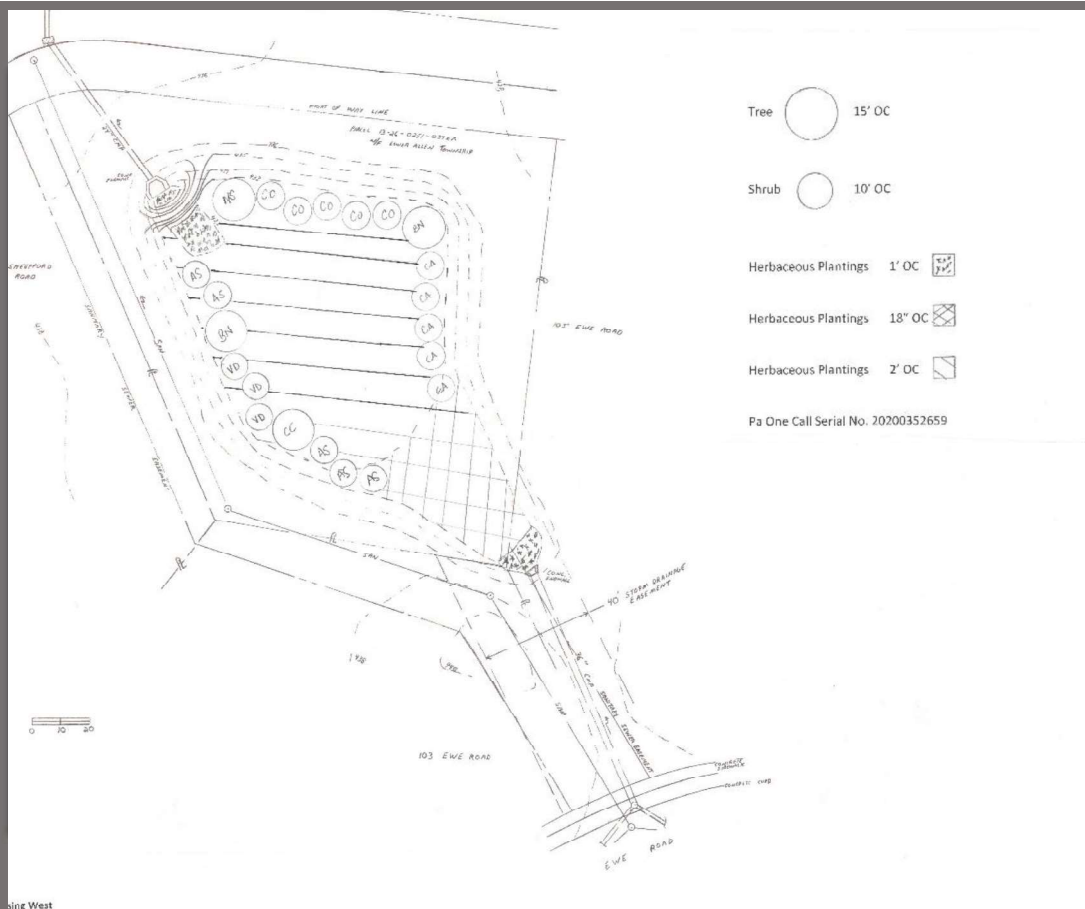
ID	BOTANICAL NAME	COMMON NAME	SIZE	QTY	Unit Type	NOTES
Trees						
CC	Cercis canadensis	Eastern Redbud	11" HT (7 Gal)	1	ea	Plant 15' OC
NS	Nyssa Sylvatica	Black Gum	4-6' HT (7 Gal)	1	ea	Plant 15' OC
BN	Betula Nigra	River Birch	6-8' HT (7 Gal)	2	ea	Clump
Shrubs						
VD	Viburnum Dentatum	Arrowwood	#3 Cont.	5	ea	Plant 10' OC
CO	Cephalanthus Occident.	Buttonbush	#3 Cont.	4	ea	Plant 10' OC
CA	Cornus Amomum	Silky Dogwood	#3 Cont.	4	ea	Plant 10' OC
AS	Alnus serrulata	Smooth Alder	#3 Cont.	5	ea	Plant 10' OC
Perennials/Ornamental Grasses						
IV	Iris Versicolor	Blue Flag Iris	Plug	300	plug	Plant 1' OC on triangular grid
SS	Schizachyrium Scoparium	Little Bluestem	Plug	300	plug	Plant 1' OC on triangular grid
RF	Rudbeckia fulgida	Black Eyed Susan	Plug	300	plug	Plant 18" OC on triangular grid
LC	Lobelia cardinalis	Cardinal Flower	Plug	300	plug	Plant 18" OC on triangular grid
PCB	Panicum 'Cape Breeze'	Switch Grass	Plug	300	plug	Plant 18" OC on triangular grid
RF	Rudbeckia fulgida	Black Eyed Susan	Plug	750	plug	Plant 2' OC on triangular grid
LC	Lobelia cardinalis	Cardinal Flower	Plug	750	plug	Plant 2' OC on triangular grid
PCB	Panicum 'Cape Breeze'	Switch Grass	Plug	750	plug	Plant 2' OC on triangular grid
Landscape Plan Notes:						
1. Plant material and layout to be approved in the field prior to installation by designer.						
2. No planting shall occur after October 15th. If not completed by this date, plantings shall occur in the following spring after April 15th.						
3. All trees, shrubs, and perennials shall be marked with flagging tape at the time of installation for the purpose of identifying planting locations in the future.						
4. The corresponding plant list ID shall also be marked on each individual flag to identify the type of plantings installed.						
5. Perennials/Ornamental Grasses shall be planted in groupings of 15-20 plants each.						
6. Tools acceptable for installation: Auger (3"), small spade, or hand trowel.						
7. Plantings shall be irrigated at time of installation.						

Planting

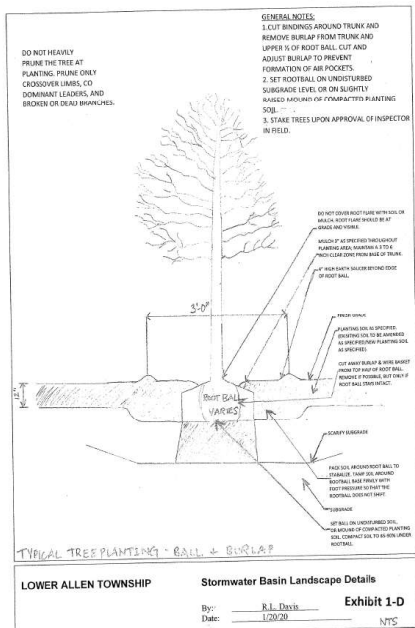
Just under 4,000 herbaceous plug plantings were planted by hand in the basin bottom.

Native plantings were selected based upon their deep root systems, ability to handle facultative conditions, and attraction of pollinators to the area.

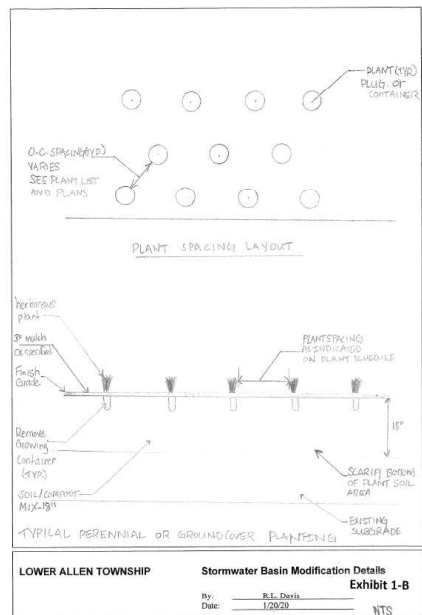
Plantings were placed on a 1' center at the inlet and outlet structures for velocity reduction and nutrient removal.



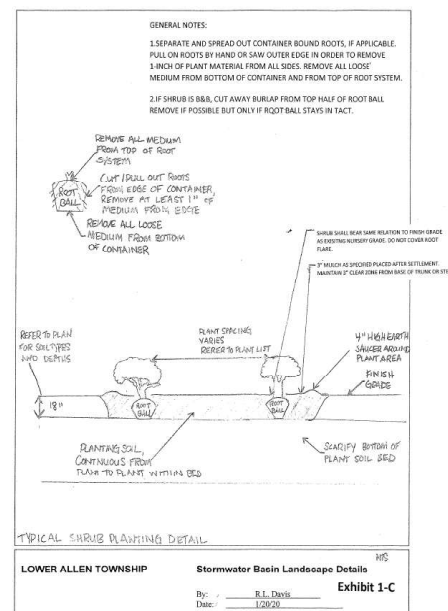
Planting Plan



17



15



16

Project Funding

Cumberland

- Cumberland County Conservation District, \$90,000 for technical assistance for farmers to plant cover crops that will reduce nutrient and sediment runoff pollution.
- Middlesex Township, \$631,600 for stream restoration and stormwater management to reduce pollution into Wertz Run and Hogestown Run.
- Cumberland County Conservation District, \$91,211 for pollution reduction from farm fields in Lower Frankford Township.
- Lower Allen Township, \$122,358 for improved stormwater management to reduce runoff pollution into the Yellow Breeches Creek.
- Lower Allen Township, \$60,536 for improved stormwater management to reduce runoff pollution into Cedar Run Creek.

DEP awards water quality-related grants funded by \$12.6M penalty against Sunoco

Money will go to efforts in 14 Pa. counties

Scott Blanchard

OCTOBER 16, 2018 | 11:35 AM
UPDATED: OCTOBER 16, 2018 | 12:56 PM

Mariner East 2



The map shows the Mariner East 2 pipeline's path across 17 Pennsylvania counties on its way to the Marcus Hook industrial complex in Delaware County, where the natural gas liquids it carries will be shipped overseas to make plastics. The map was built using state Department of Environmental Protection data on the route of the pipeline. The line outside each circle is the pipeline's route.



Lower Allen Township Sheepford West BIORETENTION FACILITY

This stormwater facility uses native plants and amended soils for the removal of pollutants from stormwater runoff.

This protects the Yellow Breeches Watershed and ultimately the Chesapeake Bay.

Plants in this stormwater facility:

Eastern Redbud	Cardinal Flower
Black Gum	Switch Grass
River Birch	
Arrowwood	
Buttonbush	
Silky Dogwood	
Smooth Alder	
Blue Flag Iris	
Little Bluestem	
Black Eyed Susan	



This project was supported by a grant from the Pennsylvania Department of Environmental Protection.

Project Sign Identification



Challenges



First large rain event –
October 2020

Next Steps.....

Lower Allen Township Pollution Reduction Plan Projects

BMP FACILITY	SITE LOCATION	PIN#
Moreland Basin *	Rear of Oxford Drive	13-24-0791-002FEX
Sheepford Crossing East Basin *	End of cul-de-sac on Ewe Rd.	13-26-0251-160EX
Sheepford Crossing West Basin *	Intersection of Lisburn Rd. & Sheepford Road	13-26-0251-039EX
Westport Business Center Basin	Rear of 4520 Westport Drive Property	13-10-0256-023
Rossmoyne Business Center Basin	5000 Ritter Road	13-10-0256-002C
BJs Wholesale Club Basin	3805 Hartzdale Drive	13-24-0799-178A
LAT Public Works Facility Basin *	1400 Saint Johns Road	13-25-0020-062EX
Heights of Beacon Hill Basin	Rear of Intersection of Sconsett Way and Lowell Lane	13-25-0008-390
Bethany Village West Basin	5225 Wilson Lane	13-09-0545-006EX
Weis Market/UHMC Basin	5120 Simpson Ferry Road	13-09-0545-002EX

*Township Owned Property

MAINTENANCE

ANNUAL REPORTING TO PADEP

COMPLETION OF 8 ADDITIONAL PRP BASIN RETROFIT PROJECTS



Public Works Facility
1400 Saint Johns Road
Existing Conditions/Finished Basin Retrofit

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #8 – MS4ORUM SPEAKING EVENTS – EPA



MS4 Forum for PA Permittees in Adams, Blair, Centre, Cumberland, Franklin, Perry, and York Counties on May 5-6, 2021

REGISTRATION IS OPEN!

- When:** Wednesday, May 5th and Thursday, May 6th, from 8 am to 12:30 pm
- Where:** Virtual (MS Teams Platform)
- Who:** MS4 Permittees in Adams, Blair, Centre, Cumberland, Franklin, Perry, and York Counties
- Cost:** No registration fee
- Contact:** MS4-PA-Forums@tetrattech.com for more information and/or to reserve a seat. You must register to attend.



Pennsylvania Department of Environmental Protection (PADEP) and the U.S. Environmental Protection Agency, Region 3 (EPA) are planning forums for Municipal Separate Storm Sewer Systems (MS4) permittees in the Commonwealth of Pennsylvania in 2021. This forum is for permittees in Adams, Blair, Centre, Cumberland, Franklin, Perry, and York Counties in PA that are responsible for permitting decisions within the Chesapeake Bay Watershed. All MS4 permittees in the Bay watershed will be invited to attend one of the forums. If space allows, MS4 permittees outside the Bay watershed will also be invited to register.

The forums will provide an opportunity for local municipalities with MS4 permits to discuss the fundamentals of their MS4 program and will highlight municipal Pennsylvania programs meeting and/or exceeding program expectations. The forums will also provide opportunities to share experiences and lessons learned by local municipalities over the past several years.

This forum will include short presentations and numerous breakout sessions lead by your fellow MS4 permittees. You will have many opportunities to ask direct questions and learn directly from other permit holders. Agenda topics include the following:

- **Minimum Control Measures**
- **PADEP Procedures/Regulations for Pollutant Reduction Plans**
 - Regional PRPs
 - Project Schedule and Revision
 - Joint BMPs
- **Overview of Funding Strategies and Lessons Learned**
 - Stormwater Fees
 - Partnerships (Forming a Stormwater Authority)
 - Grants
- **BMP Process – Design to Construction (three BMPs will be discussed in detail)**
- **Asset Management (Mapping and Maintaining BMPs)**
 - Maintaining Stormwater Facilities
 - BMP Mapping
 - O&M of Privately-Owned BMPs and Older Detention Basins
- **BMP Case Studies (six case studies will be discussed in detail)**
- **What to Expect During a PA Audit**

From: MS4-PA-Forums <MS4-PA-Forums@tetrattech.com>
Sent: Wednesday, June 2, 2021 10:58 AM
To: MS4-PA-Forums
Subject: Reminder for Speakers: June 9-10 Forum
Attachments: [Speaker Best Practices Guide.pdf](#)

Hello speakers! Thanks again for volunteering to serve as a speaker for the PA MS4 Forum for Permittees in Lackawanna, Luzerne, Columbia, Susquehanna, Berks, Schuylkill, Montour, and Lycoming Counties on June 9-10! Below are a number of reminders:

- **Please send us a short 2-3 sentence description about your session topic TODAY. For those leading a BMP case study breakout session, please send us a short 2-min video of the BMP in the field TODAY.** We will be posting the session descriptions this week so that attendees can plan which breakout session they would like to attend. You don't need to send us a formal PPT, but we encourage you to share a PPT, photos, or other documents so that attendees can visually see your project. You should also prepare a list of discussion items and possible questions that attendees might ask. Thanks to those who have already sent us their descriptions!
- Please view the [Draft Forum Agenda](#). Please make sure you are okay with the session times, titles, and spelling of speaker names. Please let us know if any changes are needed to the agenda as soon as possible. Once the draft agenda is finalized, we will add links so that attendees can attend your sessions. We plan to send the agenda to all registrants today.
- Attached is a speaker practices document to help you during the virtual forum. Use this document to help you set-up prior to the forum; share your screen, PPT, or photos; and view and use other engagement best practices. **We will be hosting a speaker training session this Monday, June 7th at 10 am.** At this training session you will be able to practice using the Microsoft Teams platform and ask any questions you may have. [Click here to join the meeting](#)
- During each session, there will be two Tetra Tech staff to assist you. One will be a moderator to introduce you and your topic, encourage discussion and participation, watch the time, and help identify parking lot questions for possible discussion or follow-up. The other Tetra Tech staff person will be the organizer who will record the session, work directly with attendees on any technical issues, take high-level notes, and make sure the session is running smoothly.
- All the plenary and breakout sessions will be recorded. Links to the recordings will be posted on agenda webpage within a few days after the forum.
- If possible, download the desktop version of MS Teams onto a desktop or laptop to use during your presentation. When presenting, make sure your computer speakers are on and turned up. We will go over this in more detail during the speaker training on Monday, June 7th.
- Prior to the virtual forum, please visit the [2021 Pennsylvania MS4 Forums Training Resources webpage](#) to view general training and guidance resources, information about each of the minimum control measures, partnerships, funding, case studies, and more! There are also links to session recordings from the first forum held Feb 17-18 and second forum held May 5-6.

- At the end of each day, attendees will be sent a link to fill-out an evaluation survey. The survey will ask if they would like to receive participation certificates for the sessions they attended. We will send the certificates within a few weeks after the forum. The certificates will include the session, title, date, and duration. Attendees will turn in those certificates to their respective organizations for PDHs and/or CEUs.

If you know of others that would like to attend the forum, please let us know! They must register to attend.

Please let us know if you have any questions!

Thanks,
PA MS4 Forum Team

Establishing a Stormwater Authority & Fee

Lower Allen Township

Rebecca Davis, Stormwater Program Manager



Early Discussions

- Board of Commissioners began discussion around formation of a stormwater authority in fall of 2017 during budget season.
- Aging infrastructure, capital projects, and MS4/NPDES permit compliance could no longer be subsidized through the General Fund due to the substantial funding that would be required.
- The Township Pollution Reduction Plan (PRP) required by our NPDES permit was estimated to cost 3.1 million dollars to implement over a five-year permit period.



Municipal Separate Stormwater Program (MS4)

Lower Allen Township's MS4 System consists of:

- 110,600 LF of Storm Pipe
- 111 Storm Manholes
- 89 Outfalls
- 634 Inlets
- 130 BMPs (mostly private)
- 60 miles of Township Roads



Benefits of establishing a Stormwater Management Program

- Cleaner streams
 - Improved recreational opportunities
 - Compliance with federal regulatory mandates
 - Reduced flooding hazards
 - Develop community awareness and support
-



Rationalization for formation of Authority



Law requires development of an Authority to enact a fee for 1st class townships (Municipal Authorities Act).



Municipal Authorities can implement stormwater fees to pay for their work. General tax revenue can be conserved for other municipal needs.



Long-term planning of projects will be easier. There will be a guaranteed and dedicated source of revenue for stormwater projects.



Timeline

- Board of Commissioners selected Arcadis to perform a stormwater fee study for the township in February of 2018.
- Outreach meetings for residential and commercial properties owners occurred in June of 2018.
- Board of Commissioners voted in July of 2018 to have the Township Solicitor begin the process of officially forming a stormwater authority and establishing a stormwater fee.
- A public hearing was held on 8/27/2018 to organize the Lower Allen Township Stormwater Authority under the Municipal Authorities Act. An ordinance was passed to appoint members and create the articles of incorporation for the formation of the Authority.
- Stormwater fee study completed in October of 2018.
- Lower Allen Township Stormwater Authority (LATSA) held their 1st organizational meeting on October 4, 2018, and declared a financing authority.
- LATSA enacted a fee resolution in December of 2018.
- The first quarterly stormwater fee bills were mailed in April of 2019.

Lower Allen Public Outreach

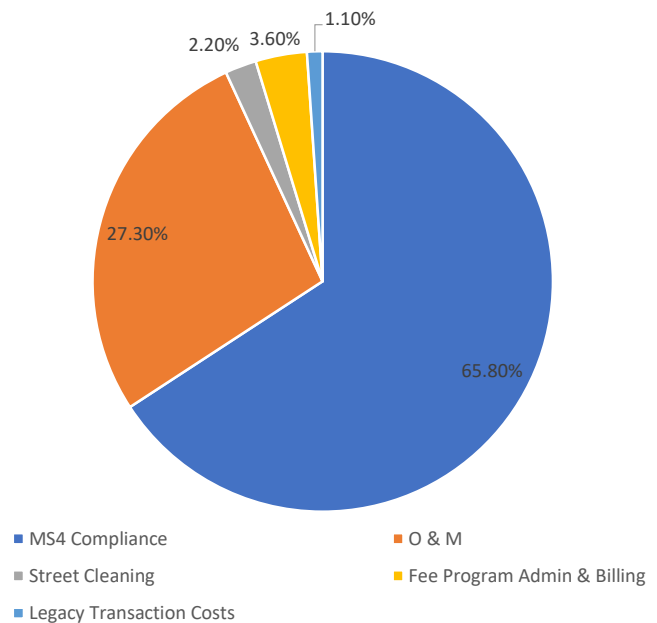
- Public Meetings – Stormwater Advisory Committee
- Newsletter Articles
- Individual Mailings
- Bill Notifications
- Website Notifications



Stormwater Program Budget

Board of Commissioners chose a Full Operation and Maintenance Plan when implementing the stormwater fee

5 Year Stormwater Program Budget



1.2 Million Dollar/Year Budget

Source: Arcadis, Inc.

Flat Rate Fee per ERU



The stormwater fee study determined that Lower Allen Township's average impervious surface area or Equivalent Residential Unit (ERU) to be 3,115 SF per lot (study took a sampling of residential lots and all commercial lots).

The Township chose a flat rate fee structure per ERU for the following reasons:

- Easier to administer and equitable for all properties.
- Required minimal cost and effort to implement and oversee compared to a tiered rate billing option.
- All property owners benefit from a community wide Stormwater Management System that manages stormwater from roads and properties.
- Less likely to be appealed for incorrect impervious area.
- Residential customers pay a flat rate for sewer and trash service (even though the amount of trash or wastewater generated by each property varies). The Stormwater Fee will take a similar approach and will facilitate consistency with these utility fees.
- Commercial and non-residential property owners pay a fee based upon the number of ERUs of impervious area that exist on their property times the rate of \$19/ERU.

Creation of a Stormwater Fee Credit & Appeals Policy

- Township staff drafted a credit and appeals policy for the LATSA board to review. Credits were offered to residential and commercial property owners.
- LATSA reviewed and approved the policy in February of 2019.
- The Township reached out to existing property owners (residential and commercial) that had an existing Best Management Practice (BMP) to encourage them to apply for a stormwater fee credit for their BMP prior to enacting the stormwater fee.
- To date we have issued stormwater fee credits to 64 residential property owners and 28 credits to commercial property owners.
- To date we have received 24 stormwater fee appeals. Four stormwater fee appeals were granted for incorrect impervious area calculations for commercial properties.

Stormwater Management Program
Credit Policy and Appeals Process Manual
Policies & Procedures

LOWER ALLEN TOWNSHIP
STORMWATER AUTHORITY



FEBRUARY 2019

Stormwater Fee Billing



The Township bills over 6,000 customers quarterly



Finance and engineering departments worked simultaneously to create the billing database



Since fee enactment we have less than a 1% delinquency rate

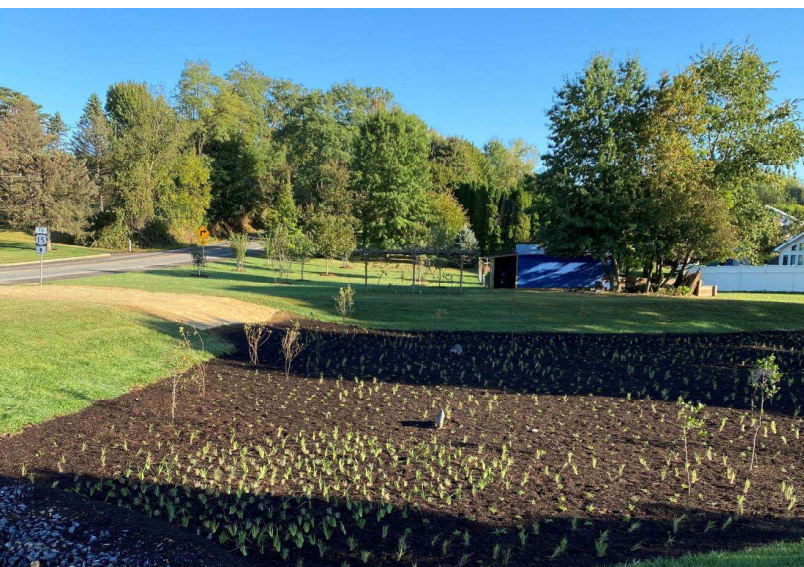


Outreach was pivotal to the initial acceptance of the fee and complaints were minimal

Stormwater Pollution Reduction Plan Projects

Lower Allen Township Public Works Facility Basin – Basin Retrofit Project

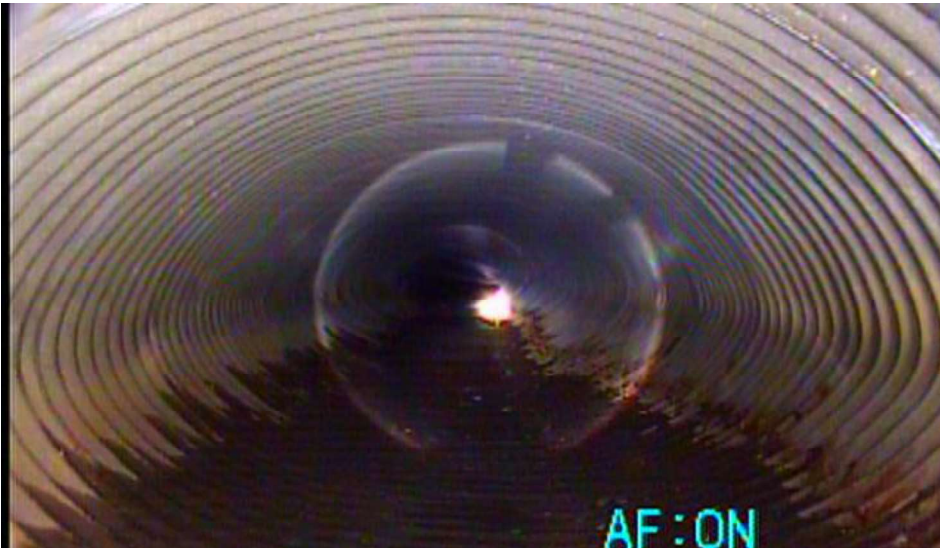




Stormwater Pollution Reduction Plan Projects

Sheepford Crossing Basin Retrofit Project

Stormwater Projects (cont.)



Television Projects

- Stormwater ponding in 2 areas of the Township
- Solicited co-stars quotes for flushing and television of line
- Lining of pipes and inlet replacement scheduled to go out to bid in 2021

Grants – PRP Projects

\$553,860 Total Awards to date



PADEP Mariner 2 Pipeline Grants

Public Works Basin Retrofit Project:

- Awarded a \$63,000 grant

Sheepford West Basin Retrofit Project:

- Awarded a \$136,000 grant

Growing Greener/PADEP

Beacon Hill Basin Retrofit Project

- Awarded a \$63,700 grant



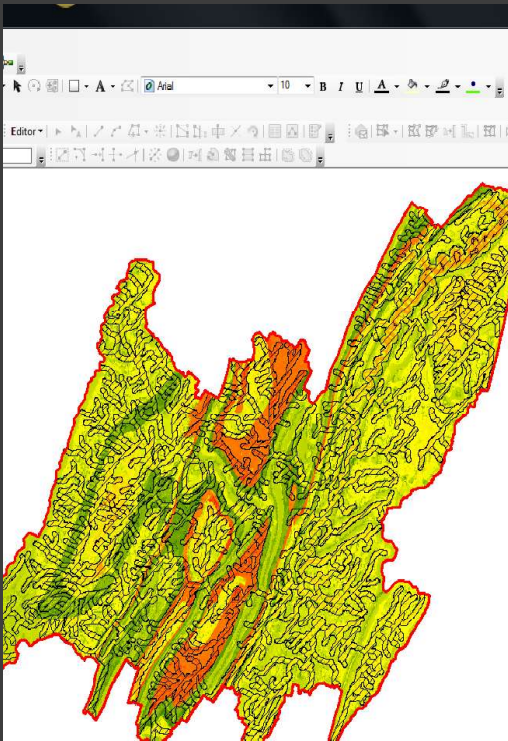
National Fish and Wildlife Foundation Grants

Moreland Basin Retrofit Project:

- Awarded a \$160,485.68 grant with a 15% matching requirement

Sheepford East Basin Retrofit Project:

- Awarded a \$131,625.28 grant with a 15% matching requirement



Next steps.....

- 8 additional PRP projects to complete
- Water sampling required as part of our PRP Appendices
- Ordinance revision required by 2022 – PADEPs model ordinance
- Stormwater infrastructure repair and replacement – coordinated with Township paving projects.
- GIS program updates to stormwater mapping and story map creation to educate the public on our stormwater management program.

	1 (NOT USEFUL)	2	3	4	5 (VERY USEFUL)	N/A DID NOT ATTEND	TOTAL	WEIGHTED AVERAGE
MCM 1 and 2: Public Education and Outreach/ Public Involvement	0.00% 0	0.00% 0	9.09% 4	13.64% 6	36.36% 16	40.91% 18	44	4.46
MCM 3: Illicit Discharge Detection and Elimination	0.00% 0	0.00% 0	4.35% 2	13.04% 6	15.22% 7	67.39% 31	46	4.33
MCM 6: Good Housekeeping: Setting Standards for Your Municipality	0.00% 0	2.22% 1	2.22% 1	11.11% 5	26.67% 12	57.78% 26	45	4.47
Lessons Learned	0.00% 0	0.00% 0	7.69% 4	19.23% 10	44.23% 23	28.85% 15	52	4.51
Easy Tips to Handle Your PRP	0.00% 0	0.00% 0	0.00% 0	7.32% 3	9.76% 4	82.93% 34	41	4.57
Project Selection and Development (Projects Can Change)	0.00% 0	2.27% 1	15.91% 7	9.09% 4	13.64% 6	59.09% 26	44	3.83
Stormwater Fees	0.00% 0	0.00% 0	4.26% 2	8.51% 4	42.55% 20	44.68% 21	47	4.69
Partnerships	0.00% 0	2.50% 1	0.00% 0	7.50% 3	25.00% 10	65.00% 26	40	4.57
Grants	0.00% 0	0.00% 0	4.76% 2	11.90% 5	33.33% 14	50.00% 21	42	4.57

#	RESPONSES	DATE
1	See above.	2/17/2021 5:30 PM
2	Stormwater Fees, Rebecca Davis	2/17/2021 2:18 PM
3	Stormwater Fees. Most prepared with a clear and concise presentation.	2/17/2021 1:39 PM
4	Stormwater Fees and Lessons Learned Conewago were both very detailed and extremely informative. Both presentations gave me many ideas to utilize in my own Borough!	2/17/2021 12:43 PM
5	Excellent help from staff support but w/ different ages of computers ? - options of info are presented differently on different screens. Should have had everything in one presentation. Did not know how to do that. Only had pieces and unable to navigate effectively to show what was prepared.	2/17/2021 12:43 PM
6	Partnerships re: Lancaster Clean Water Partners and the PA Turnpike Presentation discussed creative and innovative practices.	2/17/2021 12:39 PM
7	Great to hear success stories and real world examples	2/17/2021 12:37 PM
8	I thought that all the presentations were very good and there wasn't anything to really complain about	2/17/2021 12:37 PM
9	I sincerely enjoy all three breakout sessions I attended and felt they were extremely relevant to issues I see across our clients trying to reach compliance with their MS4 programs and I'm anxious to watch the videos for the other ones. The East Lampeter Twp presentation sticks out the most, and they are exemplary of how this program should be implemented. I think DEP should start giving out awards to these communities that they can cite while applying for grants.	2/17/2021 12:36 PM
10	Public Outreach & Grants.	2/17/2021 12:36 PM
11	MCM6 Lessons Learned	2/17/2021 12:34 PM
12	lessons learned	2/17/2021 12:32 PM
13	MCM 6 was the best of the 3 I attended.	2/17/2021 12:30 PM
14	The excerpts from the stream restoration project planning documents.	2/17/2021 12:30 PM
15	First and third sessions	2/17/2021 12:30 PM
16	All very good in their own way.	2/17/2021 12:30 PM
17	I enjoyed the grant discussion and ideas.	2/17/2021 12:29 PM
18	the good housekeeping gave me a lot of good questions and ideas. The stream gave a lot of good educational info and practical info also.	2/17/2021 12:29 PM
19	I really really did like Monique Dykeman's presentation!	2/17/2021 12:28 PM
20	Stormwater Fees	2/17/2021 12:28 PM
21	Stormwater Fees	2/17/2021 12:28 PM
22	Funding Overview and Grants.	2/17/2021 12:26 PM
23	MCM3- enjoyed viewing the data collection app and map	2/17/2021 12:25 PM
24	MCM #6 presentation was very informative.	2/17/2021 12:24 PM
25	MCM 1/2 presentation.	2/17/2021 12:24 PM
26	PRP scheduling	2/17/2021 12:22 PM
27	Thank you for all the effort put forth to provide this forum	2/17/2021 12:20 PM

23	Funding sources, such as grants, is always a good topic for a municipality short of finances	2/17/2021 12:29 PM
24	This session was a little above what our small borough would benefit from but the presenter did a good job.	2/17/2021 12:29 PM
25	Very helpful. Being in a small community these grants are a necessity in order to complete our work.	2/17/2021 12:29 PM
26	Yes, however there doesn't seem to be a lot of "getting along" that i've seen...which is a shame. Excellent speaker. No suggestions for improvements.	2/17/2021 12:29 PM
27	The presentation provided an good overview of the authority formation process and considerations for the structure of their stormwater fee.	2/17/2021 12:29 PM
28	I found this super helpful and I'm already looking at the MOST website	2/17/2021 12:28 PM
29	Yes, I have an active stormwater fee with my municipality and I have been looking for information to improve my current fee.	2/17/2021 12:28 PM
30	The presenter provided useful information.	2/17/2021 12:28 PM
31	Very Helpful information. Thanks	2/17/2021 12:28 PM
32	Yes. Partnership information was good.	2/17/2021 12:27 PM
33	Yes	2/17/2021 12:27 PM
34	This was great to see a list of resources that we can then relay to municipalities and other groups who are looking for funding for projects.	2/17/2021 12:26 PM
35	EFC is a good resource and i was introduced to funding I hadn't considered	2/17/2021 12:26 PM
36	This presentation was excellent and provided great information as our municipality moves forward to the possible enactment of a Storm water fee.	2/17/2021 12:26 PM
37	In regards to storm water fees discussion it should be made aware that if municipalities and townships y have parsed out an institution such as PennDOT, Turnpike, military bases, etc. if they already have a MS4 permit as they are already addressing their MS4 stormwater and will not pay any fees sent to them. If they wanted to include them in their planning area to collect fees they should have not parsed them out.	2/17/2021 12:26 PM
38	I thought this was great information w/ great examples of how they manage and implement the program.	2/17/2021 12:26 PM
39	Yes	2/17/2021 12:25 PM
40	Helpful to see how partnerships are work together. Unfortunately not all areas have active watershed groups to partner with.	2/17/2021 12:24 PM
41	Yes.	2/17/2021 12:24 PM
42	The presentation was very informative and educational about the types of funding that are available to assist in meeting stormwater program initiatives.	2/17/2021 12:24 PM
43	Yes. Presentation provided some sources I was previously not aware of.	2/17/2021 12:24 PM
44	yes	2/17/2021 12:21 PM
45	It was great to hear from Allyson as she is always upbeat about the collaboration that is happening in Lancaster County	2/17/2021 12:20 PM

#	DID THE SESSION PROVIDE USEFUL INFORMATION AND LESSONS LEARNED THAT CAN BE FACTORED INTO THE WORK YOU ARE SUPPORTING? WHY OR WHY NOT? WHAT ARE YOUR SUGGESTIONS FOR IMPROVEMENT?	DATE
1	Yes, broad presentation of available grant programs and introduction to some new grant programs of which we were unaware.	2/17/2021 5:30 PM
2	Yes	2/17/2021 2:26 PM
3	Again a tracked schedule would suit these topics better, these are upper level management discussions and all three are the issues I need. Our public works people were allowed to leave as none of them really had any interest in all of this. Rebecca Davis did a fantastic job presenting the material she had and made the session very engaging.	2/17/2021 2:18 PM
4	During the session I learned of Grants we did not know were available	2/17/2021 1:53 PM
5	Very good presentation.	2/17/2021 1:42 PM
6	Yes.	2/17/2021 1:39 PM
7	Yes. Ellen Kohler's presentation was helpful by breaking down funding purpose, reminding us to "take the long view", then suggesting grant opportunities and ways to consider them. The idea of varied ways to interpret grants, and varied ways of partnering is very useful to keep in mind.	2/17/2021 12:47 PM
8	Incredibly informative and very helpful in showing examples of the whole process, from beginning to existing and upcoming projects. This presentation will help me plan and educate my Borough going forward. Thank you and well done, Rebecca!!! The only suggestion for improvement would be to provide links or download of presentation to refer if needed. Rebecca did say that presentation was available at LAT website, I believe!	2/17/2021 12:43 PM
9	Yes, and offered a web site for follow-up. Tks.	2/17/2021 12:43 PM
10	Yes, very informative.	2/17/2021 12:39 PM
11	yes, would like breakout of funding sources for MS4 related implementation that specifically may or may not be used when seeking MS4 credits in PRP's.	2/17/2021 12:37 PM
12	The session was very educational and helpful to understanding grants I thought this went through very smoothly but at times it would cut out, and I couldn't hear anything	2/17/2021 12:37 PM
13	Working with several clients that are debating taking this step and the acknowledgement that a credit and appeal process should be laid out and created prior to levying the fee was a pro tip.	2/17/2021 12:36 PM
14	Session was satisfactory.	2/17/2021 12:36 PM
15	Yes. Good to hear from Lower Allen Twp and how they implemented the fee.	2/17/2021 12:35 PM
16	Good useful information.	2/17/2021 12:34 PM
17	Yes, I was distracted w a phone call so did not get all the information shared but will review again when the recordings are available.	2/17/2021 12:33 PM
18	Yes - most of my townships do not require fees at this time and are seeing increases in maintenance needs. Having guidance on how to institute a fee will be helpful.	2/17/2021 12:30 PM
19	Unfortunately, it looks like the fee approach is the only way the municipalities that I represent can afford the work that lies ahead.	2/17/2021 12:30 PM
20	Yes, I loved the Trust/Turf graphic and explanation. I have really struggled to explain to people what I gain by collaborating more and not being defensive on my turf and this illustrated it so well. I appreciated Allyson's focus on not just CAP and PRP project ideas, but actually creating a plan for delisting streams. I feel there is not enough focus on why we are doing these things and her presentation was very refreshing.	2/17/2021 12:30 PM
21	Allyson's presentation was very helpful, especially to see how crucial collaboration around the entire County of Lancaster is to meeting the LCWP's goals. Allyson's passion showed through.	2/17/2021 12:30 PM
22	Yes, the Lower Allan Township example was very informative and a good model for other communities considering fee systems.	2/17/2021 12:30 PM

From: MS4-PA-Forums <MS4-PA-Forums@tetrattech.com>
Sent: Thursday, June 10, 2021 12:50 PM
To: MS4-PA-Forums
Subject: PA MS4 Forum Thursday Evaluation Link

Thank you again for attending the forum! And a huge thank you to our more than 25 presenters who volunteered to share their projects, experiences, and lesson-learned.

Please give us your feedback from today's sessions on the [Thursday evaluation survey](#). We will use this feedback to improve future forums and trainings and to send you participation certificates, if you request them.

If you haven't already done so, please also provide feedback through the [Wednesday evaluation survey](#). Use this form to request participation certificates from day 1 of the forum.

All the sessions were recorded and we plan to post the recordings on the [agenda webpage](#) next week! Please also visit the [training webpage](#) to view the vast list of resources from PADEP, EPA, EFC, and recordings from the first two forums in February and May.

Thank you!
-PA MS4 Forum Team

From: Fetterman, Amanda <Fetterman.Amanda@epa.gov>
Sent: Monday, June 28, 2021 3:06 PM
To: Rebecca Davis
Subject: Thank You MS4 Forum Speakers!
Attachments: [Financing.pdf](#); [Davis_Letter.pdf](#)

Hello!

Thank you for serving as a speaker at the PA MS4 Forum for Permittees in Lackawanna, Luzerne, Columbia, Susquehanna, Berks, Schuylkill, Montour, and Lycoming Counties on June 9th and 10th! We appreciate your willingness to share your experiences and lessons-learned with attendees. We had a lot of great feedback from the attendees, particularly from municipalities feeling as though they were able to take away some ideas to help make their programs more successful.

Attached you will find a letter of appreciation as well as the feedback from our post-forum survey that many of you requested. Please share with your co-presenters, it was everyone's involvement that really made the forum so successful. We know everyone's time is limited and we are extremely grateful for everyone who spent it with us.

Thank you again for your contribution and helping to make our second MS4 Forum a success!

Amanda Fetterman
ORISE Participant
Water Division
U.S. Environmental Protection Agency, Region 3
(215) 814-5714

From: Laura Cattell Noll <lnoll@allianceforthebay.org>
Sent: Thursday, April 29, 2021 3:27 PM
To: Ann Simonetti; Rebecca Davis; Anna Dale; Eberl, Jamie; Leo Lutz
Cc: Jennifer Starr; James L. Wheeler; Ola-Imani Davis; Scott Coburn
Subject: Thank you!

Hello,

Just wanted to say a huge thanks to each of you for participating in today's PSATS panel *Understanding Your Community's Stormwater Obligations*. Your stories, perspectives and insights are what make this session a success. Thank you for taking the time to share your experience!

Laura

Laura Cattell Noll

Coordinator, Local Leadership Workgroup

Local Government Projects Manager

Pronouns: She, Her, Hers ([What is this?](#))



For our forests, for our streams, for our future

37 E Orange St Suite 302, Lancaster PA 17602

Office Phone: [717-517-8698](tel:717-517-8698) | Cell: [484-639-1413](tel:484-639-1413)

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029**

Ms. Rebecca Davis
MS4 Coordinator
Lower Allen Township
2233 Gettysburg Rd.,
Camp Hill, Pennsylvania 17011

Dear Rebecca:

On behalf of the U.S. Environmental Protection Agency (EPA) Region III, I would like to express our appreciation to you for volunteering to present at the 2021 Pennsylvania Virtual MS4 Forum held on June 9th and 10th, 2021. For this forum, EPA worked closely with the Pennsylvania Department of Environmental Protection (PADEP) and our consultant to bring together regulated municipalities to highlight their collected efforts toward meeting the requirements of the PADEP issued National Pollutant Discharge Elimination System (NPDES) municipal separate storm sewer system (MS4) permit. By bringing together regulated entities to share their success stories, challenges/obstacles, and lessons learned, we wanted to create an opportunity for permittees to learn from one another. The results of the participant surveys demonstrate that we were able to meet that goal with your help. As a result of the forum, participants were able to take away some ideas that they may implement in their own communities. Approximately 100 participants registered for this year's virtual meeting.

In addition to your participation in the forum, we also wanted to recognize the time that you volunteered to prepare for the forum and your willingness to share your personal experience with your peers. Additionally, your presentation on Stormwater Fees provided our audience with a valuable perspective of how MS4s can achieve water quality goals. Your participation certainly increased the value of this forum. For your information, we have included specific feedback that we received post-forum from your presentation.

Thank you again for your support and contribution to the success of the Pennsylvania Virtual MS4 Forum. If you have any follow-up questions or need assistance, please feel free to reach out to Elizabeth Ottinger directly by telephone at 215-814-5783 or via electronic mail at ottinger.elizabeth@epa.gov.

Sincerely,

Jennifer Fulton, Acting Chief
Clean Water Branch
Water Division

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #9 – PENN STATE EXTENSION TRAINING



MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM)

MAY 2021

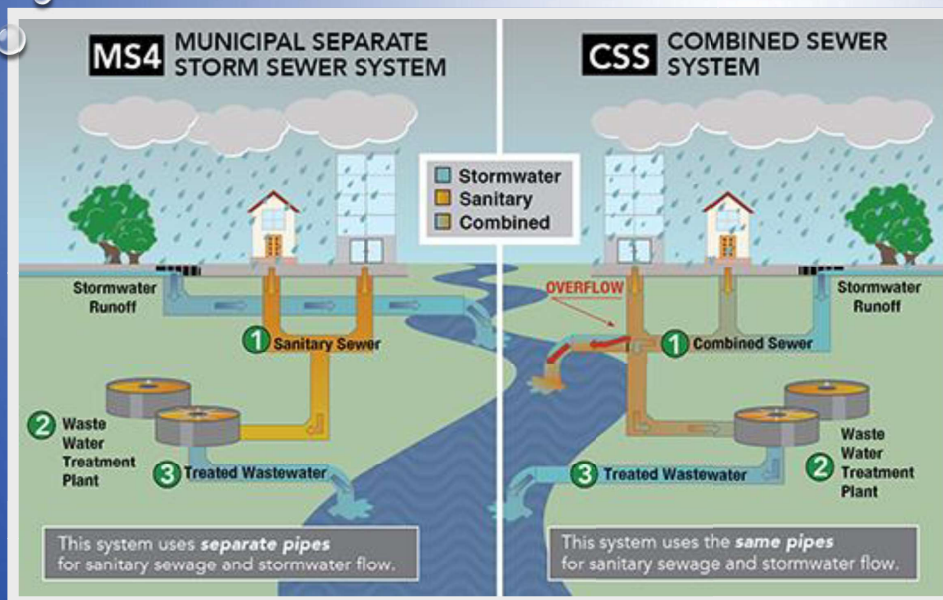
LOWER ALLEN TOWNSHIP

REBECCA DAVIS, STORMWATER PROGRAM MANAGER



TOPICS FOR DISCUSSION

- LEARN THE BACKGROUND AND HISTORY OF THE MS4 PROGRAM
- DISCOVER CHANGES TO OUR PAG-13 NPDES GENERAL PERMIT
- LEARN THE MAJOR STORMWATER RUNOFF POLLUTANTS AFFECTING LOWER ALLEN TOWNSHIP
- DISCUSS PCM SAMPLING PROJECT



MS4

- MUNICIPAL
- SEPARATE
- STORM
- SEWER
- SYSTEM

HOW IT ALL BEGAN

FEDERAL CLEAN WATER ACT – 1972 – PASSED BY US CONGRESS

- WATERS ARE REQUIRED TO BE “FISHABLE, SWIMMABLE, AND DRINKABLE” BY 1983
- ELIMINATE POLLUTION DISCHARGED TO WATER BY 1985
- 1977 – ADJUSTMENTS WERE MADE TO ADDRESS LONG TERM FUNDING FOR WASTE WATER TREATMENT FACILITIES, SLUDGE MANAGEMENT, TOXIC POLLUTANTS, AND WETLAND PROTECTION



SECTION 101(A) (2) CLEAN WATER ACT

STORMWATER PERMITTING

- THE 1972 CLEAN WATER ACT WITH AMENDMENTS TO THE FEDERAL LAW LED TO THE CREATION OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING PROCESS
- ESTABLISHED IN 1987- NON POINT SOURCE POLLUTION CONTROL ALONG WITH GREAT LAKES AND CHESAPEAKE BAY PROTECTION PROGRAMS
- 2000 – UPDATED WATER QUALITY STANDARDS AND PATHOGEN MONITORING FOR RECREATIONAL WATERS



NPDES

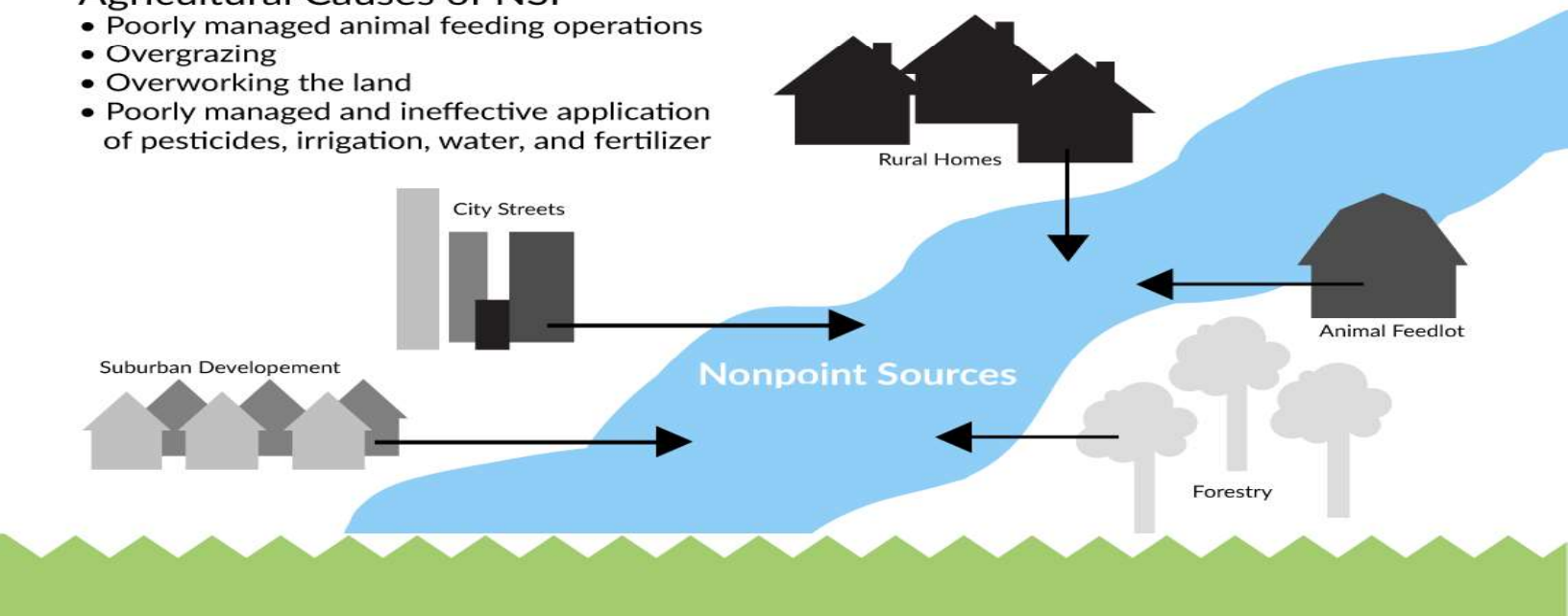
- NPDES REQUIRED AUTHORIZATION TO DISCHARGE POLLUTANTS FROM A POINT SOURCE INTO THE WATER OF THE UNITED STATES. THE SMALL MUNICIPAL NPDES PERMIT IS CALLED A PAG-13. THIS IS THE FEDERAL REGULATION
- PADEP CREATED THE STATE PERMITTING PROGRAM TO MEET THE FEDERAL REGULATION.

Nonpoint Source Pollution

NSP is when pollution runoff finds a way into waterways, mostly from storm drain collection systems. This classification of pollution is now the single largest cause of the worsening of our water quality, according to the U.S. Environmental Protection Agency.

Agricultural Causes of NSP

- Poorly managed animal feeding operations
- Overgrazing
- Overworking the land
- Poorly managed and ineffective application of pesticides, irrigation, water, and fertilizer



POINT SOURCE POLLUTION

POINT SOURCE POLLUTION –

POLLUTANT LOADS DISCHARGED AT A SPECIFIC LOCATION FROM PIPES, OUTFALLS, AND CONVEYANCE CHANNELS FROM EITHER MUNICIPAL WASTEWATER TREATMENT PLANTS, MUNICIPAL MS4'S, OR INDUSTRIAL WASTE TREATMENT FACILITIES.



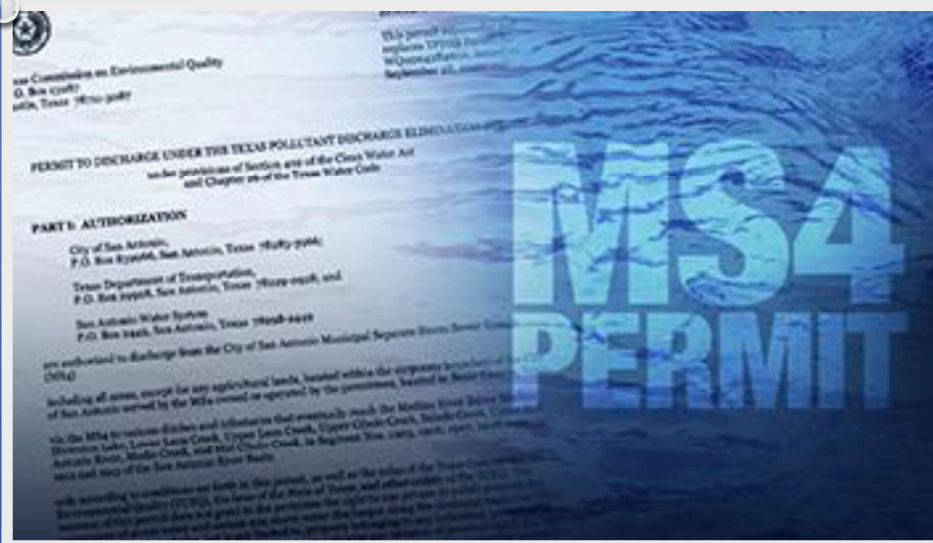
HOW DOES THE MS4 PERMIT WORK?

MUNICIPALITIES ACQUIRE A NPDES PERMIT THAT COVERS A 5 YEAR PERIOD.

THE PERMIT REQUIRES THE MUNICIPALITY TO MEASURE IT'S EFFORTS TO REDUCE POLLUTANTS IN 6 DIFFERENT AREAS.

ANNUALLY, THE MUNICIPALITY MUST REPORT TO PADEP ON HOW THEY HAVE IMPROVED, CHANGED, AND MANAGED THESE AREAS IN ORDER TO MAINTAIN COMPLIANCE WITH THEIR PERMIT.

MINIMUM CONTROL MEASURES MUST BE RE-EVALUATED ANNUALLY TO DETERMINE COMPLIANCE.



MINIMUM CONTROL MEASURES (MCM'S)

#1 - PUBLIC EDUCATION AND OUTREACH

#2 - PUBLIC INVOLVEMENT AND PARTICIPATION

#3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

#4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

#5 - POST CONSTRUCTION STORMWATER MANAGEMENT

#6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING

2018 PAG-13 NPDES GENERAL MS4 PERMIT

EFFECTIVE DATE: MARCH 16, 2018

EXPIRATION DATE: MARCH 15, 2023

FIRST REPORTING PERIOD ENDED ON JUNE 30, 2018

FIRST ANNUAL REPORT WAS DUE SEPTEMBER 30, 2018
(4/1/2017 – 6/30/2018)

ALL SUBSEQUENT ANNUAL REPORTS DUE BY SEPTEMBER 30 AND
WILL COVER THE REPORTING PERIOD OF **JULY 1 – JUNE 30**

✓ CHANGE TO ANNUAL REPORT SUBMISSION - \$500 FEE IS
NOW REQUIRED TO BE SUBMITTED WITH EACH ANNUAL
REPORT TO PADEP





CHANGES TO OUR MS4 PERMIT

- ✓ ORDINANCE UPDATE REQUIREMENT
- ✓ AUTHORIZED DISCHARGE CHANGES
- ✓ PRIORITY OUTFALL REQUIREMENTS AND INSPECTIONS – SAMPLING IF NEEDED
- ✓ ADDITIONAL APPENDICES ADDED TO PERMIT
- ✓ POLLUTION REDUCTION PLAN

ORDINANCE UPDATE REQUIREMENT

OUR PERMIT REQUIRES US TO ENACT PADEP'S MODEL ORDINANCE OR REVISE OUR EXISTING STORMWATER MANAGEMENT ORDINANCE BY **SEPTEMBER 30, 2022** AND SUBMIT THE REVISED ORDINANCE WITH OUR ANNUAL REPORT

THE REVISED ORDINANCE IS REQUIRED TO BE ADVERTISED AND HAVE A **PUBLIC COMMENT PERIOD** PRIOR TO ADOPTION – MCM #2 – PUBLIC INVOLVEMENT AND PARTICIPATION

THE ORDINANCE REVISIONS COVER THE FOLLOWING TOPICS:

- AUTHORIZED DISCHARGES TO THE MS4
- DEVELOP AND IMPLEMENT MEASURES TO ENCOURAGE LOW IMPACT DEVELOPMENT (LID) IN NEW DEVELOPMENT AND RE-DEVELOPMENT
- REVISE SECTIONS TO BE CONSISTENT WITH DEP'S NPDES CONSTRUCTION STORMWATER PERMITTING REQUIREMENTS





AUTHORIZED DISCHARGES TO THE MS4

* DEP HAS **MODIFIED** THE LIST OF AUTHORIZED NON-STORMWATER DISCHARGES TO THE MS4 AS FOLLOWS:

- POTABLE DRINKING WATER FROM HYDRANT FLUSHING OR LINE TESTING IS **ONLY** PERMITTED IF SUCH DISCHARGES DO NOT CONTAIN DETECTABLE CONCENTRATIONS OF TOTAL RESIDUAL CHLORINE (TRC)
- RESIDENTIAL (I.E., NOT COMMERCIAL) VEHICLE WASH WATER **ONLY** WHERE CLEANING AGENTS ARE NOT UTILIZED
- DECHLORINATED SWIMMING POOL WATER DISCHARGES ARE NOT AUTHORIZED TO BE RELEASED INTO THE MS4 – VIOLATION OF CLEAN WATER ACT. THEY SHOULD BE RELEASED TO A GRASSY AREA FOR INFILTRATION
- IN ADDITION TO AIR CONDITIONING CONDENSATE, THE DISCHARGE OF NON-CONTAMINATED WATER FROM GEOTHERMAL SYSTEMS IS AUTHORIZED



ESTABLISHMENT OF PRIORITY OUTFALLS

OUTFALL DEFINITION – A POINT SOURCE WHERE A MS4 DISCHARGES TO SURFACE WATERS AND DOES NOT INCLUDE OPEN CONVEYANCES

- IDENTIFY PRIORITY OUTFALLS AND INSPECT THOSE OUTFALLS ANNUALLY. THESE ARE AREAS THAT HAVE HIGH RISK ACTIVITIES OR A HISTORY OF WATER POLLUTION PROBLEMS
- IF POLLUTION (COLOR, ODOR, TURBIDITY) IS SUSPECTED DURING OUTFALL INSPECTION, SAMPLING MUST TAKE PLACE AND MEASURES TO DETERMINE POLLUTION SOURCE MUST BE FOLLOWED IF VALIDATED BY SAMPLE.
- INSPECT ALL OTHER IDENTIFIED MS4 OUTFALLS AT LEAST ONCE BY MARCH 15, 2023 – INCLUDE RESULTS IN MS4 ANNUAL REPORT



POLLUTANT CONTROL MEASURES (PCM'S)

- PADEP HAS DEVELOPED APPENDICES FOR PCM'S IN THE 2018 PAG-13 GENERAL PERMIT
- THE APPENDICES ARE RELATED TO PATHOGENS (APPENDIX B), AND PRIORITY ORGANIC COMPOUNDS (APPENDIX C)
- PCM REQUIREMENTS INCLUDE THE DEVELOPMENT OF MAPS, AN INVENTORY OF KNOWN OR SUSPECTED POLLUTANTS, AND SUBMISSION OF A REPORT DOCUMENTING INVESTIGATIONS OF SUSPECTED SOURCES

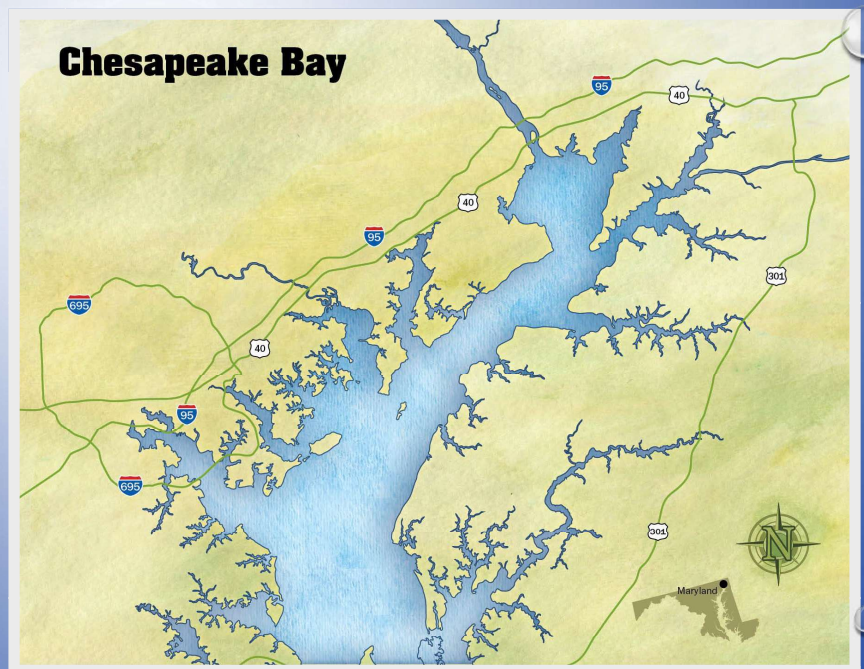


PCM'S (CONT.)

- CEDAR RUN IS LISTED AS IMPAIRED BY PATHOGENS ON THE PADEP MS4 REQUIREMENTS TABLE
- YELLOW BREECHES IS LISTED AS IMPAIRED BY PRIORITY ORGANIC COMPOUNDS ON THE PADEP MS4 REQUIREMENTS TABLE AS WELL AS PATHOGENS

CHESAPEAKE BAY POLLUTION REDUCTION PROGRAM

- LAT IS REQUIRED TO REDUCE POLLUTANTS WITHIN THE NEXT 5 YEAR PERMIT TERM PERIOD BY A 10% REDUCTION IN SEDIMENT
- A PRP (POLLUTION REDUCTION PLAN) HAS BEEN APPROVED BY DEP
- THE PRP CONSISTS RETROFITTING 10 SWM BASINS TO BIORETENTION AREAS/BASINS IN THE TOWNSHIP TO REDUCE POLLUTANTS TO THE WATERS OF THE COMMONWEALTH
- PADEP GRANTS WERE OBTAINED FOR THE PUBLIC WORKS BASIN AND THE SHEEPFORD CROSSING WEST BASIN
- NFWF GRANTS WERE OBTAINED FOR THE MORELAND AND SHEEPFORD EAST BASINS
- A GROWING GREENER GRANT WAS SECURED FOR THE BEACON HILL BASIN





LOWER ALLEN TOWNSHIP MS4 PROGRAM NEAR TERM EFFORTS

- REVISE AND CONTINUE IMPLEMENTATION OF SWMP
- BEGIN IMPLEMENTATION OF THE APPROVED CHESAPEAKE BAY POLLUTION REDUCTION PLAN (PRP)
- PREPARE IMPLEMENTATION SCHEDULE FOR NEW PERMIT REQUIREMENTS
- COMPLETE AND SUBMIT ANNUAL REPORT

PADEP MS4 REQUIREMENTS MAPPING



Tom Wolf, Governor



Patrick McDonnell, Secretary

MS4 Requirements

MS4 Requirements

BACKGROUND

Municipalities and other entities such as universities and prisons that meet certain standards must obtain NPDES permit coverage for discharges of stormwater from their municipal separate storm sewer systems (MS4s).

A municipal separate storm sewer is any conveyance or system of conveyances (including but not limited to streets, ditches, and pipes) that is: owned by a municipality or other public body (created under state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater or other wastes; designed or used for collecting or conveying stormwater; not a combined sewer (i.e., not intended for both sewage and stormwater); AND not part of a publicly owned treatment works (POTW).

Additional information regarding permitting requirements can be found at the [Pennsylvania Municipal Stormwater Homepage](#).

Help is available by clicking the question mark icon in the header.

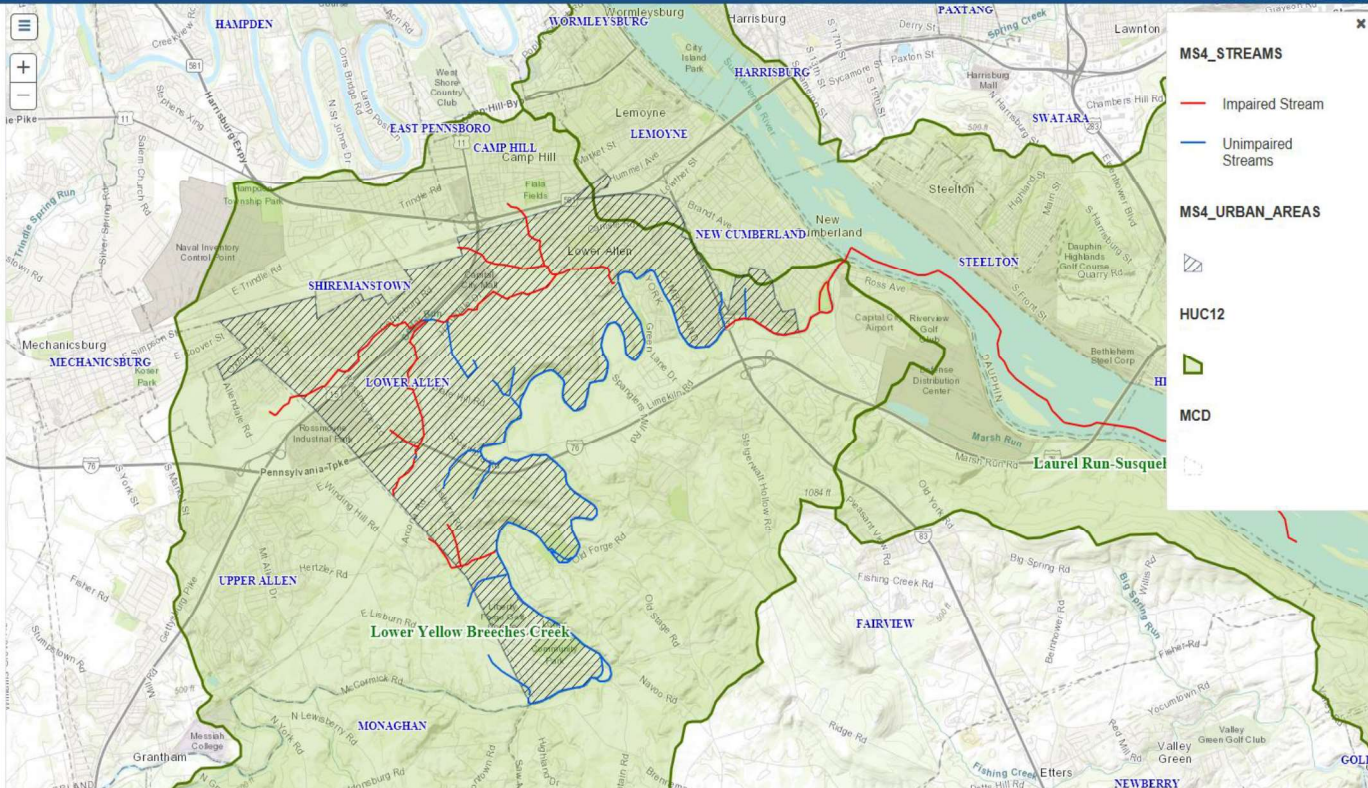
Select a County

CUMBERLAND

Select a Municipality

LOWER ALLEN TWP

Click to View Features



LOWER ALLEN TOWNSHIP IMPAIRMENTS

PATHOGENS (YELLOW BREECHES & CEDAR RUN)
PRIORITY ORGANIC COMPOUNDS (SUSQUEHANNA RIVER)

LOWER ALLEN TWP, Cumberland County		
INDIVIDUAL PERMIT REQUIRED: No	REASON: n/a	NPDES ID: PAG133711
IMPAIRED DOWNSTREAM WATERS	REQUIREMENTS	OTHER CAUSES OF IMPAIRMENT
Susquehanna River	Appendix C-PCB (5)	
Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients Siltation (4a)	
Unnamed Tributaries to Yellow Breeches Creek	Appendix E-Organic Enrichment/Low D.O. Siltation (5)	
Cedar Run	Appendix B-Pathogens (5) Appendix E-Nutrients Siltation (5)	Other Habitat Alterations (4c)
Unnamed Tributaries to Cedar Run		Cause Unknown (5) Flow Alterations (4c)
Yellow Breeches Creek	Appendix B-Pathogens (5)	

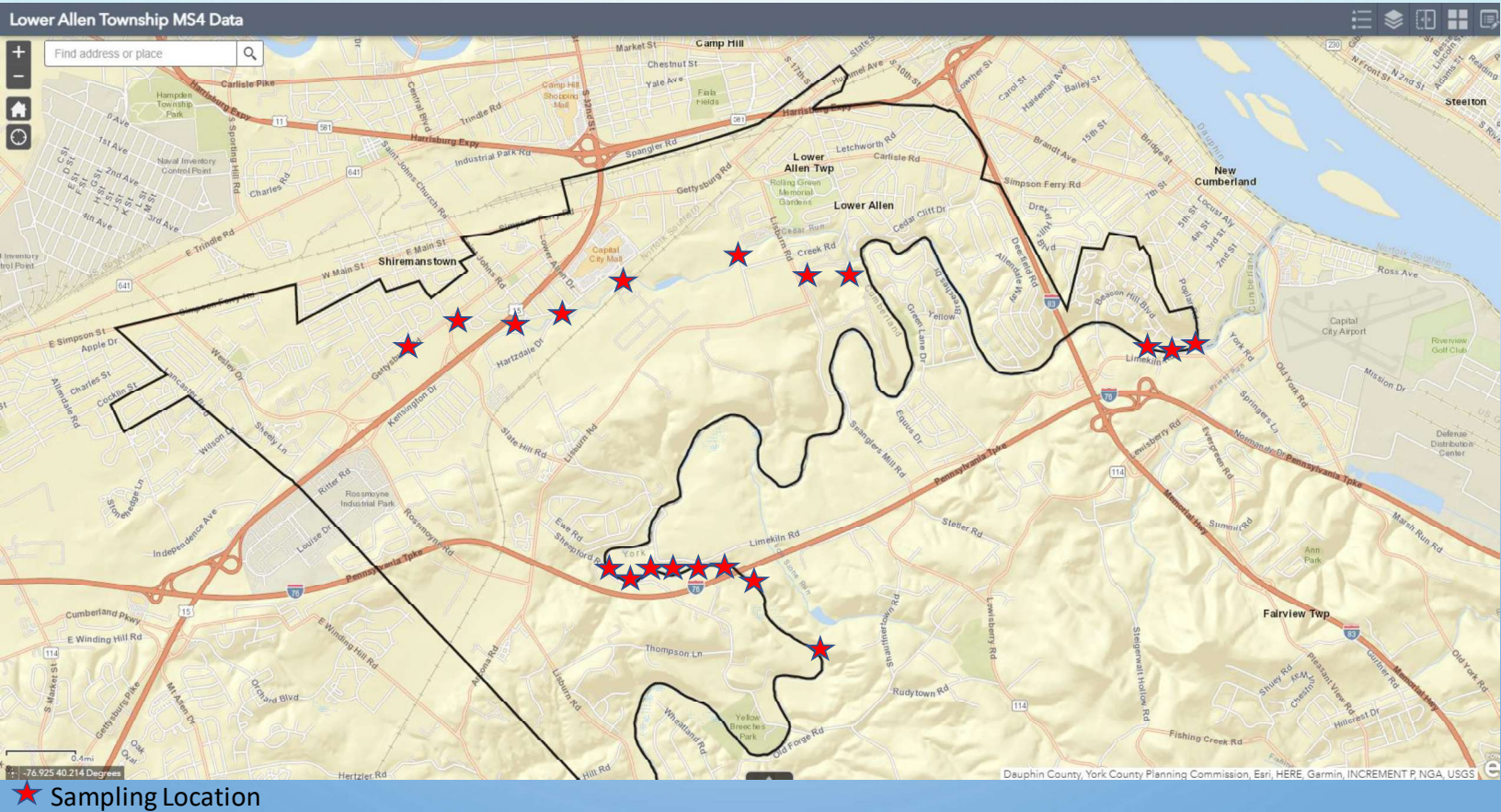
PCM INVENTORY

Pollutant Control Measure (PCM) Source Inventory - Appendix B - Pathogens				
	Source	Location	Suspected/Known	Action Taken
1	Canadian Geese	SCI Property, 2500 Lisburn Road, Camp Hill	Suspected	None - source is only suspected
2	Canadian Geese	Allen Middle School, 4225 Gettysburg Road, Mechanicsburg	Suspected	None - source is only suspected
3	Canadian Geese	Gettysburg Road & Simpson Ferry Road Intersection	Suspected	None - source is only suspected
4	Malfunctioning Septic Systems	1616-1656 Valley Road	Suspected	None - source is only suspected
5	Malfunctioning Septic Systems	1625-1800 Sheepford Road	Suspected	None - source is only suspected
6	Farm Runoff/Animals	1909 Sheepford Road	Suspected	None - source is only suspected

PCM INVENTORY

Pollutant Control Measure (PCM) Source Inventory - Appendix C- Priority Organic Compounds				
	Source	Location	Suspected/Known	Action Taken
1	Camp Hill Correctional Institution	2500 Lisburn Road, Camp Hill, PA 17011	Suspected	None - source is only suspected and on private property
2	Hempt Quarry	205 Creek Road, Camp Hill, PA 17011	Suspected	None - source is only suspected and on private property
3	PP&L Substation	1421 Arcona Road, Mechanicsburg, PA 17055	Suspected	None - source is only suspected and on private property
4	PP&L Substation	2940 Glenwood Road, Camp Hill, PA 17011	Suspected	None - source is only suspected and on private property

LAT Water Sampling Map



PADEP SAMPLING REQUIREMENTS

- APPENDIX B – PATHOGENS – PADEP STATES THAT A PATHOGEN IMPAIRMENT IS IMPLIED IF THE FECAL COLIFORM LEVEL EXCEEDS 200 CFU/100ML BASED ON 5 SAMPLES TAKEN OVER A 30-DAY PERIOD.
- APPENDIX C – PRIORITY ORGANIC COMPOUNDS – SAMPLE WATER AND TEST FOR PCBS



PA AMERICAN WATER COMPANY – SOURCE WATER PROTECTION 2021 ENVIRONMENTAL GRANT PROGRAM AWARDEE

- LOWER ALLEN TOWNSHIP APPLIED FOR A GRANT TO PA AMERICAN WATER COMPANY FOR THEIR ENVIRONMENTAL GRANT PROGRAM
- THE MAIN GOAL OF THEIR PROGRAM IS TO PROVIDE INNOVATIVE AND COLLABORATIVE PROGRAMS TO RESULT IN POSITIVE ENVIRONMENTAL CHANGES
- PSE AND YBWA PARTNERED WITH LAT TO SUPPORT OUR GRANT APPLICATION AND OFFERED TO PROVIDE VOLUNTEERS
- THE PROJECT WAS AWARDED A GRANT IN MAY OF 2021
- PROJECT TIMEFRAME FOR COMPLETION IS DECEMBER 2021



WATER SAMPLING PROCEDURES



- A GPS UNIT WILL BE PROVIDED TO LOCATE OUR SAMPLING LOCATIONS IN THE FIELD. TRAINING WILL BE PROVIDED TO VOLUNTEERS.
- THERE WILL BE SPECIFIC BOTTLES THAT ARE LABELED WITH SAMPLE LOCATION. YOU WILL NEED TO FILL IN THE DATE AND TIME THAT YOU TOOK THE SAMPLE.
- SAMPLES MUST BE PLACED ON ICE AT THE TIME OF COLLECTION. A COOLER WITH ICE WILL BE READILY AVAILABLE
- THE SAMPLES MUST BE TRANSFERRED TO THE LABORATORY WITHIN 6 HOURS OF COLLECTION, PREFERABLY AS SOON AS POSSIBLE. (ALS GLOBAL, MIDDLETOWN).
- PROPER PPE WILL BE PROVIDED TO AVOID CROSS CONTAMINATION AND PERSONAL SAFETY.
- WE WILL BE DOCUMENTING THE PROCESS OF THE SAMPLING AND TRAINING WITH PHOTOGRAPHS AND VIDEOS FOR PRODUCTION OF A GIS STORYMAP TO SUBMIT WITH THE FINAL REPORT TO PA AMERICAN WATER COMPANY.

QUESTIONS/COMMENTS?

REBECCA DAVIS – STORMWATER PROGRAM MANAGER

RDAVIS@LATWP.ORG

717-975-7575 EXT. 1010

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #10 – PSATS PANEL



Dear Rebecca Davis,

PSATS Webinars (gotoweb@psats.org) has invited you to be a panelist for the following webinar:

Understanding Your Community's Stormwater Obligations

[Add to Calendar](#)

1. Click the link to join the webinar at the specified time and date:

Thu, Apr 29, 2021 1:30 PM - 2:30 PM EDT

[Join Webinar](#)

Note: This link should not be shared with others; it is unique to you.

Before joining, be sure to [check system requirements](#) to avoid any connection issues.

2. Choose one of the following audio options:

TO USE YOUR COMPUTER'S AUDIO:

When the webinar begins, you will be connected to audio using your computer's microphone and speakers (VoIP). A headset is recommended.

--OR--

TO USE YOUR TELEPHONE:

If you prefer to use your phone, you must select "Use Telephone" after joining the webinar and call in using the numbers below.

United States: +1 (914) 614-3221

Access Code: 769-024-551

Audio PIN: Shown after joining the webinar

Establishing a Stormwater Authority & Fee

Lower Allen Township

Rebecca Davis, Stormwater Program Manager



Early Discussions

- Board of Commissioners began discussion around formation of a stormwater authority in fall of 2017 during budget season.
- Aging infrastructure, capital projects, and MS4/NPDES permit compliance could no longer be subsidized through the General Fund due to the substantial funding that would be required.
- The Township Pollution Reduction Plan (PRP) required by our NPDES permit was estimated to cost 3.1 million dollars to implement over a five-year permit period.



Municipal Separate Stormwater Program (MS4)

Lower Allen Township's MS4 System consists of:

- 110,600 LF of Storm Pipe
- 111 Storm Manholes
- 89 Outfalls
- 634 Inlets
- 130 BMPs (mostly private)
- 60 miles of Township Roads



Benefits of establishing a Stormwater Management Program

- Cleaner streams
 - Improved recreational opportunities
 - Compliance with federal regulatory mandates
 - Reduced flooding hazards
 - Develop community awareness and support
-



Rationalization for formation of Authority



Law requires development of an Authority to enact a fee for 1st class townships (Municipal Authorities Act).



Municipal Authorities can implement stormwater fees to pay for their work. General tax revenue can be conserved for other municipal needs.



Long-term planning of projects will be easier. There will be a guaranteed and dedicated source of revenue for stormwater projects.



Timeline

- Board of Commissioners selected Arcadis to perform a stormwater fee study for the township in February of 2018.
- Outreach meetings for residential and commercial properties owners occurred in June of 2018.
- Board of Commissioners voted in July of 2018 to have the Township Solicitor begin the process of officially forming a stormwater authority and establishing a stormwater fee.
- A public hearing was held on 8/27/2018 to organize the Lower Allen Township Stormwater Authority under the Municipal Authorities Act. An ordinance was passed to appoint members and create the articles of incorporation for the formation of the Authority.
- Stormwater fee study completed in October of 2018.
- Lower Allen Township Stormwater Authority (LATSA) held their 1st organizational meeting on October 4, 2018, and declared a financing authority.
- LATSA enacted a fee resolution in December of 2018.
- The first quarterly stormwater fee bills were mailed in April of 2019.

Lower Allen Public Outreach

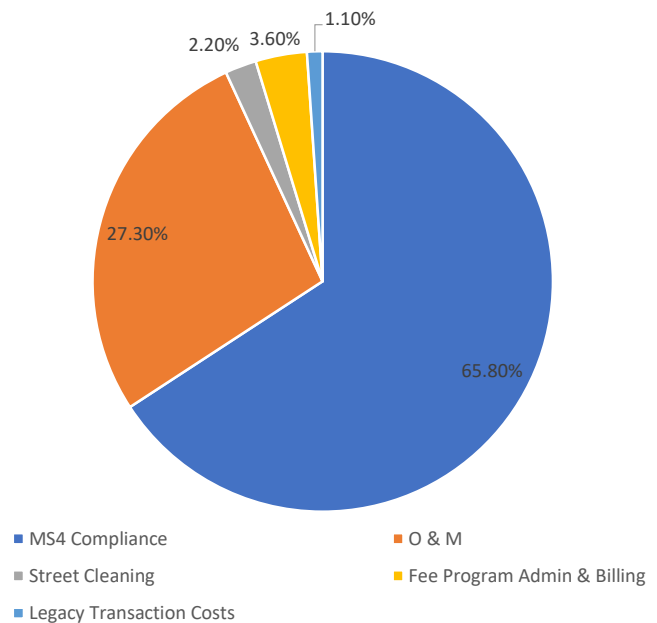
- Public Meetings – Stormwater Advisory Committee
- Newsletter Articles
- Individual Mailings
- Bill Notifications
- Website Notifications



Stormwater Program Budget

Board of Commissioners chose a Full Operation and Maintenance Plan when implementing the stormwater fee

5 Year Stormwater Program Budget



1.2 Million Dollar/Year Budget

Source: Arcadis, Inc.

Flat Rate Fee per ERU



The stormwater fee study determined that Lower Allen Township's average impervious surface area or Equivalent Residential Unit (ERU) to be 3,115 SF per lot (study took a sampling of residential lots and all commercial lots).

The Township chose a flat rate fee structure per ERU for the following reasons:

- Easier to administer and equitable for all properties.
- Required minimal cost and effort to implement and oversee compared to a tiered rate billing option.
- All property owners benefit from a community wide Stormwater Management System that manages stormwater from roads and properties.
- Less likely to be appealed for incorrect impervious area.
- Residential customers pay a flat rate for sewer and trash service (even though the amount of trash or wastewater generated by each property varies). The Stormwater Fee will take a similar approach and will facilitate consistency with these utility fees.
- Commercial and non-residential property owners pay a fee based upon the number of ERUs of impervious area that exist on their property times the rate of \$19/ERU.

Creation of a Stormwater Fee Credit & Appeals Policy

- Township staff drafted a credit and appeals policy for the LATSA board to review. Credits were offered to residential and commercial property owners.
- LATSA reviewed and approved the policy in February of 2019.
- The Township reached out to existing property owners (residential and commercial) that had an existing Best Management Practice (BMP) to encourage them to apply for a stormwater fee credit for their BMP prior to enacting the stormwater fee.
- To date we have issued stormwater fee credits to 64 residential property owners and 28 credits to commercial property owners.
- To date we have received 24 stormwater fee appeals. Four stormwater fee appeals were granted for incorrect impervious area calculations for commercial properties.

Stormwater Management Program
Credit Policy and Appeals Process Manual
Policies & Procedures

LOWER ALLEN TOWNSHIP
STORMWATER AUTHORITY



FEBRUARY 2019

Stormwater Fee Billing



The Township bills over 6,000 customers quarterly



Finance and engineering departments worked simultaneously to create the billing database



Since fee enactment we have less than a 1% delinquency rate

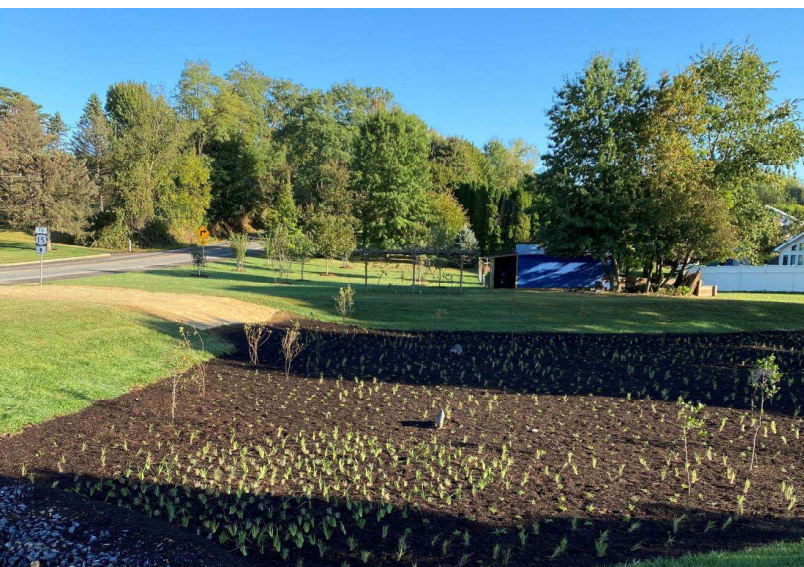


Outreach was pivotal to the initial acceptance of the fee and complaints were minimal

Stormwater Pollution Reduction Plan Projects

Lower Allen Township Public Works Facility Basin – Basin Retrofit Project

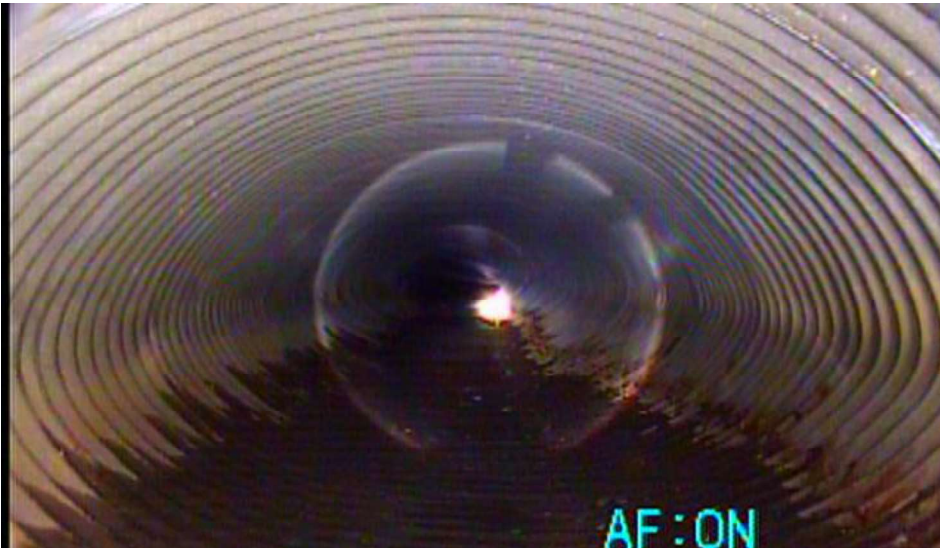




Stormwater Pollution Reduction Plan Projects

Sheepford Crossing Basin Retrofit Project

Stormwater Projects (cont.)



Television Projects

- Stormwater ponding in 2 areas of the Township
- Solicited co-stars quotes for flushing and television of line
- Lining of pipes and inlet replacement scheduled to go out to bid in 2021

Grants – PRP Projects

\$553,860 Total Awards to date



PADEP Mariner 2 Pipeline Grants

Public Works Basin Retrofit Project:

- Awarded a \$63,000 grant

Sheepford West Basin Retrofit Project:

- Awarded a \$136,000 grant

Growing Greener/PADEP

Beacon Hill Basin Retrofit Project

- Awarded a \$63,700 grant



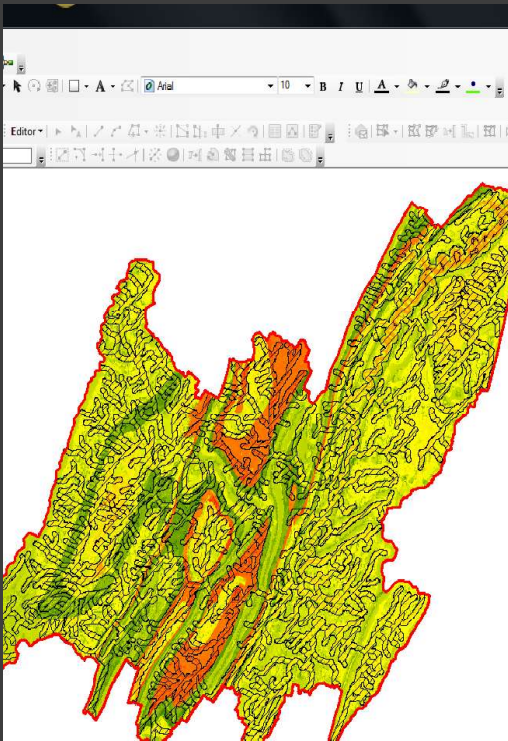
National Fish and Wildlife Foundation Grants

Moreland Basin Retrofit Project:

- Awarded a \$160,485.68 grant with a 15% matching requirement

Sheepford East Basin Retrofit Project:

- Awarded a \$131,625.28 grant with a 15% matching requirement



Next steps.....

- 8 additional PRP projects to complete
- Water sampling required as part of our PRP Appendices
- Ordinance revision required by 2022 – PADEPs model ordinance
- Stormwater infrastructure repair and replacement – coordinated with Township paving projects.
- GIS program updates to stormwater mapping and story map creation to educate the public on our stormwater management program.

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #11 – TOWNSHIP TRAINING



MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM) GOOD HOUSEKEEPING ANNUAL EMPLOYEE TRAINING

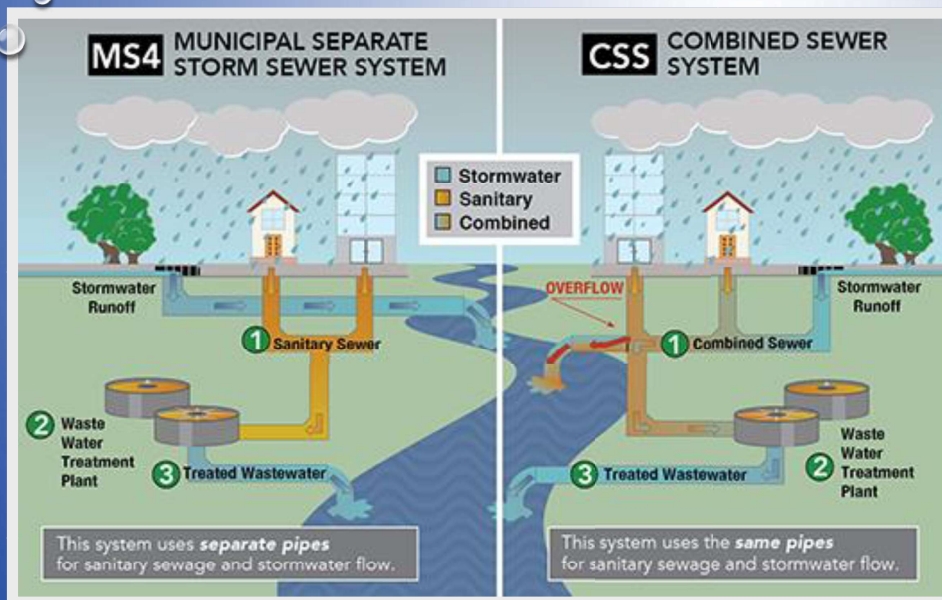
APRIL 2021

LOWER ALLEN TOWNSHIP



TRAINING GOALS

- LEARN THE BACKGROUND AND HISTORY OF THE MS4 PROGRAM
- DISCOVER CHANGES TO OUR PAG-13 NPDES GENERAL PERMIT
- LEARN THE MAJOR STORMWATER RUNOFF POLLUTANTS AFFECTING LOWER ALLEN TOWNSHIP
- LEARN AND REVIEW GOOD HOUSEKEEPING PRACTICES
- REVIEW PPC PLAN
- DON'T BE MAD AT THE MESSENGER 😊



MS4

- MUNICIPAL
- SEPARATE
- STORM
- SEWER
- SYSTEM

HOW IT ALL BEGAN

FEDERAL CLEAN WATER ACT – 1972 – PASSED BY US CONGRESS

- WATERS ARE REQUIRED TO BE “FISHABLE, SWIMMABLE, AND DRINKABLE” BY 1983
- ELIMINATE POLLUTION DISCHARGED TO WATER BY 1985
- 1977 – ADJUSTMENTS WERE MADE TO ADDRESS LONG TERM FUNDING FOR WASTEWATER TREATMENT FACILITIES, SLUDGE MANAGEMENT, TOXIC POLLUTANTS, AND WETLAND PROTECTION

SECTION 101(A) (2) CLEAN WATER ACT



STORMWATER PERMITTING

- THE 1972 CLEAN WATER ACT WITH AMENDMENTS TO THE FEDERAL LAW LED TO THE CREATION OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING PROCESS
- ESTABLISHED IN 1987- NON POINT SOURCE POLLUTION CONTROL ALONG WITH GREAT LAKES AND CHESAPEAKE BAY PROTECTION PROGRAMS
- 2000 – UPDATED WATER QUALITY STANDARDS AND PATHOGEN MONITORING FOR RECREATIONAL WATERS



NPDES

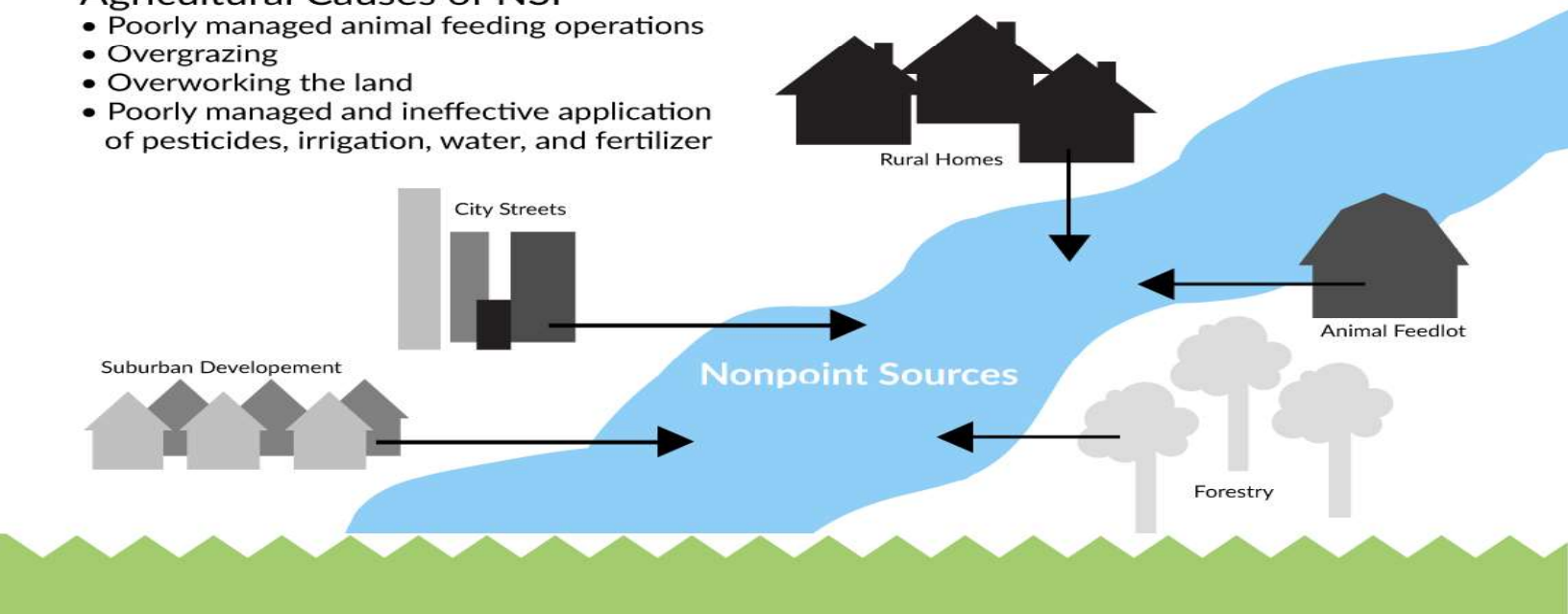
- NPDES REQUIRED AUTHORIZATION TO DISCHARGE POLLUTANTS FROM A POINT SOURCE INTO THE WATER OF THE UNITED STATES. THE SMALL MUNICIPAL NPDES PERMIT IS CALLED A PAG-13. THIS IS THE FEDERAL REGULATION
- PADEP CREATED THE STATE PERMITTING PROGRAM TO MEET THE FEDERAL REGULATION.

Nonpoint Source Pollution

NSP is when pollution runoff finds a way into waterways, mostly from storm drain collection systems. This classification of pollution is now the single largest cause of the worsening of our water quality, according to the U.S. Environmental Protection Agency.

Agricultural Causes of NSP

- Poorly managed animal feeding operations
- Overgrazing
- Overworking the land
- Poorly managed and ineffective application of pesticides, irrigation, water, and fertilizer



POINT SOURCE POLLUTION

POINT SOURCE POLLUTION –

POLLUTANT LOADS DISCHARGED AT A SPECIFIC LOCATION FROM PIPES, OUTFALLS, AND CONVEYANCE CHANNELS FROM EITHER MUNICIPAL WASTEWATER TREATMENT PLANTS, MUNICIPAL MS4'S, OR INDUSTRIAL WASTE TREATMENT FACILITIES.



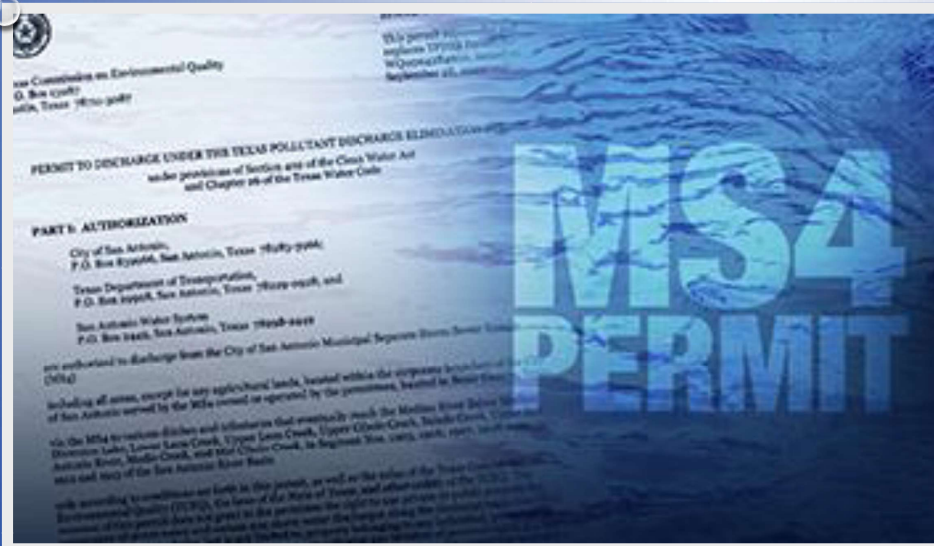
HOW DOES THE MS4 PERMIT WORK?

MUNICIPALITIES ACQUIRE A NPDES PERMIT THAT COVERS A 5-YEAR PERIOD.

THE PERMIT REQUIRES THE MUNICIPALITY TO MEASURE ITS EFFORTS TO REDUCE POLLUTANTS IN 6 DIFFERENT AREAS.

ANNUALLY, THE MUNICIPALITY MUST REPORT TO PADEP ON HOW THEY HAVE IMPROVED, CHANGED, AND MANAGED THESE AREAS IN ORDER TO MAINTAIN COMPLIANCE WITH THEIR PERMIT.

MINIMUM CONTROL MEASURES MUST BE RE-EVALUATED ANNUALLY TO DETERMINE COMPLIANCE.



MINIMUM CONTROL MEASURES (MCM'S)

#1 - PUBLIC EDUCATION AND OUTREACH

#2 - PUBLIC INVOLVEMENT AND PARTICIPATION

#3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

#4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

#5 - POST CONSTRUCTION STORMWATER MANAGEMENT

#6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING

2018 PAG-13 NPDES GENERAL MS4 PERMIT

EFFECTIVE DATE: MARCH 16, 2018

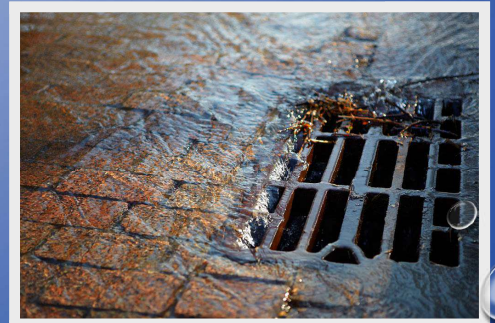
EXPIRATION DATE: MARCH 15, 2023

FIRST REPORTING PERIOD ENDED ON JUNE 30, 2018

FIRST ANNUAL REPORT WAS DUE SEPTEMBER 30, 2018
(4/1/2017 – 6/30/2018)

ALL SUBSEQUENT ANNUAL REPORTS DUE BY SEPTEMBER 30 AND
WILL COVER THE REPORTING PERIOD OF **JULY 1 – JUNE 30**

✓ CHANGE TO ANNUAL REPORT SUBMISSION - \$500 FEE IS
NOW REQUIRED TO BE SUBMITTED WITH EACH ANNUAL
REPORT TO PADEP





CHANGES TO OUR MS4 PERMIT

- ✓ ORDINANCE UPDATE
REQUIREMENT
- ✓ AUTHORIZED DISCHARGE
CHANGES
- ✓ PRIORITY OUTFALL
REQUIREMENTS AND
INSPECTIONS – SAMPLING IF
NEEDED
- ✓ ADDITIONAL APPENDICES
ADDED TO PERMIT
- ✓ POLLUTION REDUCTION PLAN

ORDINANCE UPDATE REQUIREMENT

OUR PERMIT REQUIRES US TO ENACT PADEP'S MODEL ORDINANCE OR REVISE OUR EXISTING STORMWATER MANAGEMENT ORDINANCE BY **SEPTEMBER 30, 2022** AND SUBMIT THE REVISED ORDINANCE WITH OUR ANNUAL REPORT

THE REVISED ORDINANCE IS REQUIRED TO BE ADVERTISED AND HAVE A **PUBLIC COMMENT PERIOD** PRIOR TO ADOPTION – MCM #2 – PUBLIC INVOLVEMENT AND PARTICIPATION

THE ORDINANCE REVISIONS COVER THE FOLLOWING TOPICS:

- AUTHORIZED DISCHARGES TO THE MS4
- DEVELOP AND IMPLEMENT MEASURES TO ENCOURAGE LOW IMPACT DEVELOPMENT (LID) IN NEW DEVELOPMENT AND RE-DEVELOPMENT
- REVISE SECTIONS TO BE CONSISTENT WITH DEP'S NPDES CONSTRUCTION STORMWATER PERMITTING REQUIREMENTS



AUTHORIZED DISCHARGES TO THE MS4

* DEP HAS **MODIFIED** THE LIST OF AUTHORIZED NON-STORMWATER DISCHARGES TO THE MS4 AS FOLLOWS:

- POTABLE DRINKING WATER FROM HYDRANT FLUSHING OR LINE TESTING IS **ONLY** PERMITTED IF SUCH DISCHARGES DO NOT CONTAIN DETECTABLE CONCENTRATIONS OF TOTAL RESIDUAL CHLORINE (TRC)
- RESIDENTIAL (I.E., NOT COMMERCIAL) VEHICLE WASH WATER **ONLY** WHERE CLEANING AGENTS ARE NOT UTILIZED
- DECHLORINATED SWIMMING POOL WATER DISCHARGES ARE NOT AUTHORIZED TO BE RELEASED INTO THE MS4 – VIOLATION OF CLEAN WATER ACT. THEY SHOULD BE RELEASED TO A GRASSY AREA FOR INFILTRATION
- IN ADDITION TO AIR CONDITIONING CONDENSATE, THE DISCHARGE OF NON-CONTAMINATED WATER FROM GEOTHERMAL SYSTEMS IS AUTHORIZED





ESTABLISHMENT OF PRIORITY OUTFALLS

OUTFALL DEFINITION – A POINT SOURCE WHERE A MS4 DISCHARGES TO SURFACE WATERS AND DOES NOT INCLUDE OPEN CONVEYANCES

- IDENTIFY PRIORITY OUTFALLS AND INSPECT THOSE OUTFALLS ANNUALLY. THESE ARE AREAS THAT HAVE HIGH RISK ACTIVITIES OR A HISTORY OF WATER POLLUTION PROBLEMS
- IF POLLUTION (COLOR, ODOR, TURBIDITY) IS SUSPECTED DURING OUTFALL INSPECTION, SAMPLING MUST TAKE PLACE AND MEASURES TO DETERMINE POLLUTION SOURCE MUST BE FOLLOWED IF VALIDATED BY SAMPLE.
- INSPECT ALL OTHER IDENTIFIED MS4 OUTFALLS AT LEAST ONCE BY MARCH 15, 2023 – INCLUDE RESULTS IN MS4 ANNUAL REPORT



POLLUTANT CONTROL MEASURES (PCM'S)

- PADEP HAS DEVELOPED APPENDICES FOR PCM'S IN THE 2018 PAG-13 GENERAL PERMIT
- THE APPENDICES ARE RELATED TO PATHOGENS (APPENDIX B), AND PRIORITY ORGANIC COMPOUNDS (APPENDIX C)
- PCM REQUIREMENTS INCLUDE THE DEVELOPMENT OF MAPS, AN INVENTORY OF KNOWN OR SUSPECTED POLLUTANTS, AND SUBMISSION OF A REPORT DOCUMENTING INVESTIGATIONS OF SUSPECTED SOURCES



PCM'S (CONT.)

- CEDAR RUN IS LISTED AS IMPAIRED BY PATHOGENS ON THE PADEP MS4 REQUIREMENTS TABLE
- YELLOW BREECHES IS LISTED AS IMPAIRED BY PRIORITY ORGANIC COMPOUNDS ON THE PADEP MS4 REQUIREMENTS TABLE

PADEP MS4 REQUIREMENTS MAPPING



Tom Wolf, Governor



Patrick McDonnell, Secretary

MS4 Requirements

MS4 Requirements

BACKGROUND

Municipalities and other entities such as universities and prisons that meet certain standards must obtain NPDES permit coverage for discharges of stormwater from their municipal separate storm sewer systems (MS4s).

A municipal separate storm sewer is any conveyance or system of conveyances (including but not limited to streets, ditches, and pipes) that is: owned by a municipality or other public body (created under state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater or other wastes; designed or used for collecting or conveying stormwater; not a combined sewer (i.e., not intended for both sewage and stormwater); AND not part of a publicly owned treatment works (POTW).

Additional information regarding permitting requirements can be found at the [Pennsylvania Municipal Stormwater Homepage](#).

Help is available by clicking the question mark icon in the header.

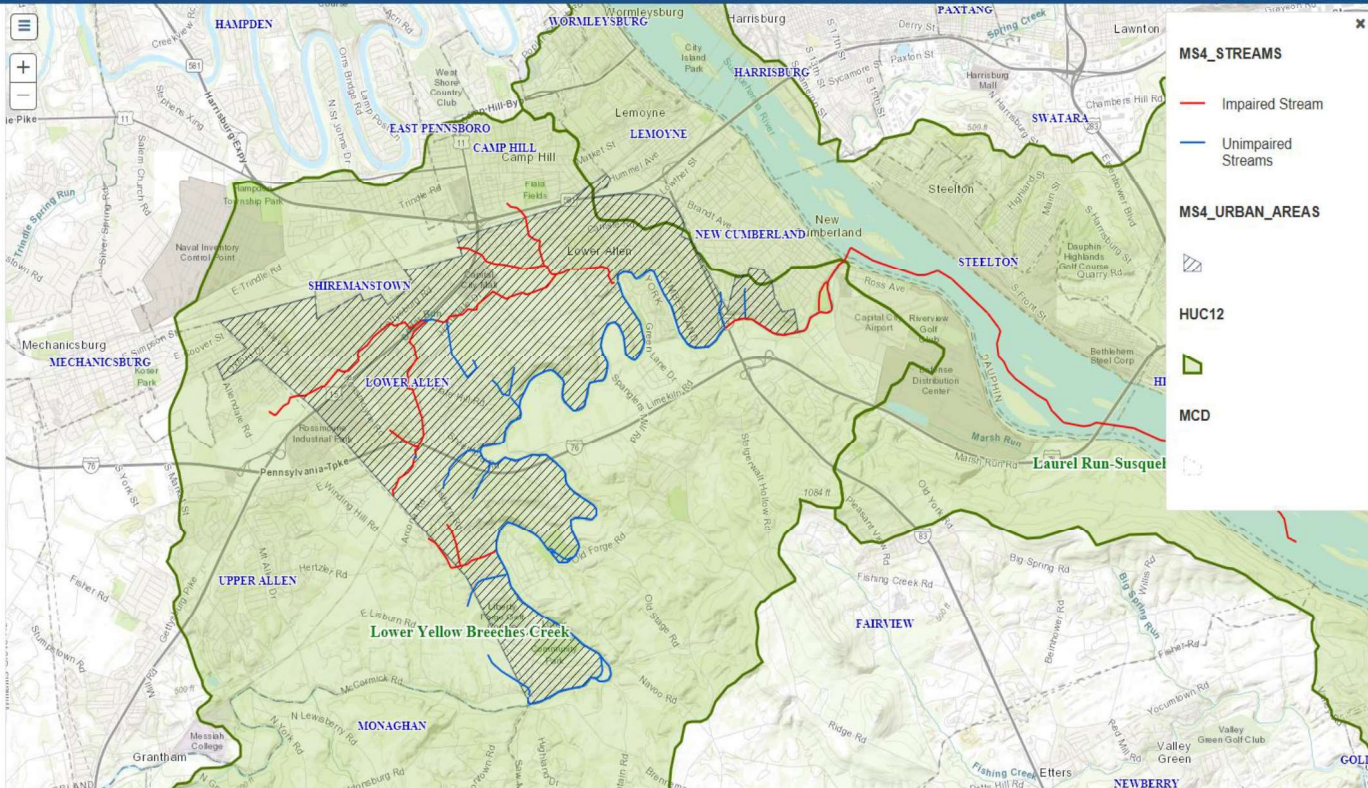
Select a County

CUMBERLAND

Select a Municipality

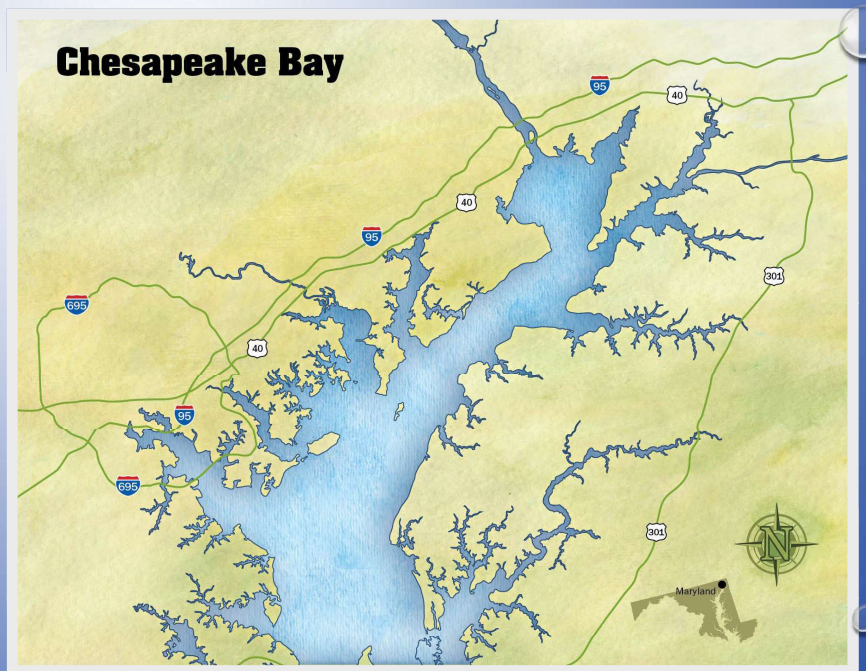
LOWER ALLEN TWP

Click to View Features



CHESAPEAKE BAY POLLUTION REDUCTION PROGRAM

- LAT IS REQUIRED TO REDUCE POLLUTANTS WITHIN THE NEXT 5-YEAR PERMIT TERM PERIOD BY A 10% REDUCTION IN SEDIMENT
- A PRP (POLLUTION REDUCTION PLAN) HAS BEEN APPROVED BY DEP
- THE PRP CONSISTS RETROFITTING 10 SWM BASINS TO BIORETENTION AREAS/BASINS IN THE TOWNSHIP TO REDUCE POLLUTANTS TO THE WATERS OF THE COMMONWEALTH
- PADEP GRANTS WERE OBTAINED FOR THE PUBLIC WORKS BASIN AND THE SHEEPFORD CROSSING WEST BASIN
- NFWF GRANTS WERE OBTAINED FOR THE MORELAND AND SHEEPFORD EAST BASINS
- A GROWING GREENER GRANT WAS SECURED FOR THE BEACON HILL BASIN





LOWER ALLEN TOWNSHIP MS4 PROGRAM NEAR TERM EFFORTS

- REVISE AND CONTINUE IMPLEMENTATION OF SWMP
- BEGIN IMPLEMENTATION OF THE APPROVED CHESAPEAKE BAY POLLUTION REDUCTION PLAN (PRP)
- PREPARE IMPLEMENTATION SCHEDULE FOR NEW PERMIT REQUIREMENTS
- COMPLETE AND SUBMIT ANNUAL REPORT

COMMON STORMWATER POLLUTANTS

- OIL & GREASE
- SEDIMENT
- NUTRIENTS
- TRASH
- TOXICS
- CHLORIDES
- BACTERIA



Sources of Surface Water Pollution

When it rains, water that is not absorbed into the ground, intercepted by vegetation, or evaporated flows into surface waters such as rivers, canals and coastal waters. This flow is called runoff. As the runoff flows over the roads and land, it picks up pollutants.

Roads are a source of pollution. Oils, grease, construction dirt, trash & cigarette butts wash off roads when it rains.



Excess fertilizers wash off lawns & gardens when it rains & flow into surface water.



Surface water can be polluted through groundwater.

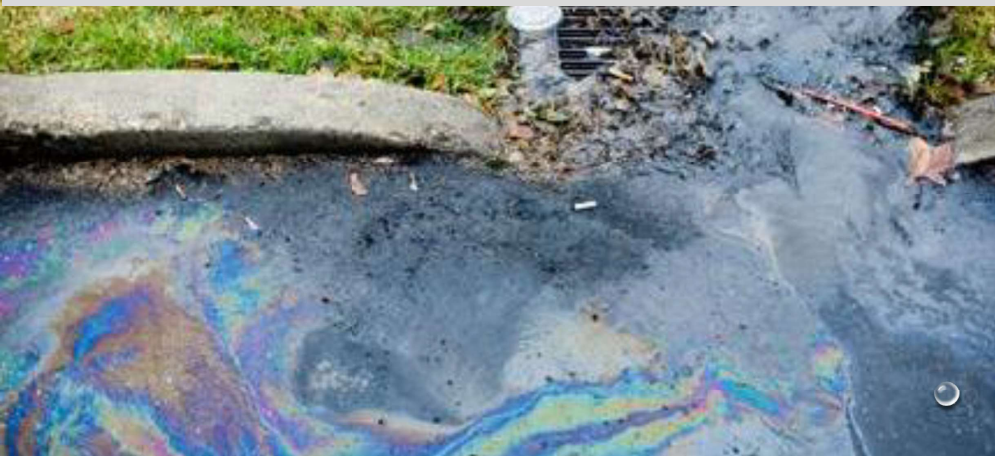


Things put into stormdrains and on the street can end up in our rivers, canals, & coastal waters



PUBLIC WORKS ACTIVITIES THAT COULD CONTRIBUTE TO NON-POINT SOURCE POLLUTION

- ROAD MAINTENANCE
- VEHICLE FLEET MANAGEMENT
- FUELING & VEHICLE REPAIR
- LOADING, TRANSFER & STORAGE OF MATERIALS
- WASTE MANAGEMENT
- CLEANING & DEGREASING
- FACILITY, PARK, & LANDSCAPE MAINTENANCE



OIL & GREASE

- DID YOU KNOW THAT 1 QUART OF OIL HAS THE POTENTIAL TO CONTAMINATE 250,000 GALLONS OF WATER IF RELEASED?
- SOURCES COME FROM –
 - POORLY MAINTAINED VEHICLES THAT LEAK OIL AND OTHER FLUIDS
 - GASOLINE SPILLS AT GAS STATIONS OR TOPPING OFF VEHICLES WHEN FUELING
 - PRESSURE WASHING PAVEMENT IN THE AREA OF VEHICLE MAINTENANCE OR GAS STATION PUMP AREA INTO STORM DRAINS
 - DUMPING USED OIL OR PETROLEUM INTO STORM DRAINS
 - VEHICLE ACCIDENTS THAT RUPTURE TANKS AND HOSES WITHOUT PROPER CLEAN UP AND CONTAINMENT
 - SPILLS AND POOR HOUSEKEEPING AROUND RESTAURANT GREASE STORAGE BINS



OIL & GREASE CONTAMINATION (CONT.)

- PRESSURE WASHING FUEL ISLAND THAT DRAINS TO STORM DRAIN
- IMPROPER STORAGE OF MATERIALS - NO SECONDARY CONTAINMENT
- LEAKING USED OIL CONTAINER



SEDIMENT POLLUTION

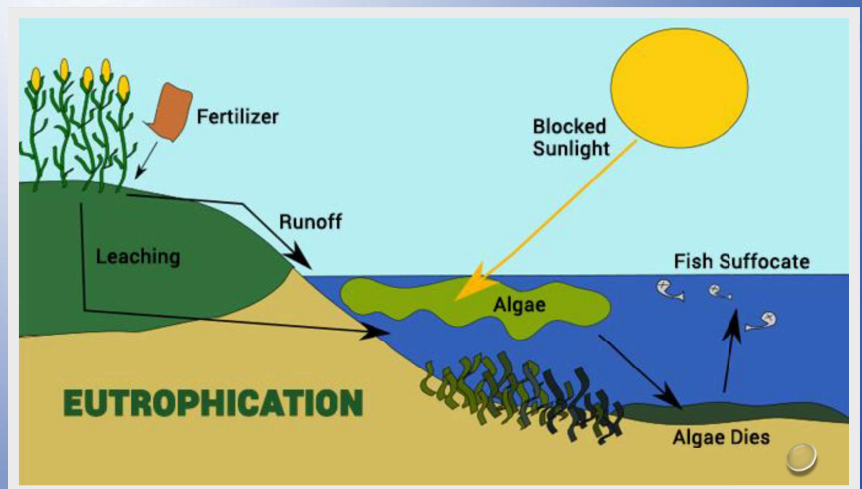
- WHEN SOIL, DIRT, SAND, CLAY, AND OTHER TINY BITS OF EARTH END UP IN STORMWATER
- SEDIMENT POLLUTION CAN CLOG FISH GILLS AND SUFFOCATES SMALL INSECTS
- IT CREATES MURKY, CLOUDY WATER THAT BLOCKS SUNLIGHT FROM REACHING PLANTS
- CHEMICALS AND POLLUTANTS BIND TO SEDIMENT AND ARE TRANSPORTED TO OUR WATER
- CAN CHANGE THE COURSE OF A CREEK BY DEPOSITING NEW BANKS
- COMES FROM MANY SOURCES, SUCH AS CONSTRUCTION/DIGGING, EROSION WHEN VEGETATION HAS BEEN REMOVED, DUST AND GRIME FROM PARKING LOTS & PUBLIC WORKS YARDS, BREAKDOWN OF ROADS, PARKING LOTS, AND OTHER PAVED SURFACES



SEDIMENT POLLUTION (CONT.)

NUTRIENT POLLUTION

- EXCESS PHOSPHOROUS & NITROGEN – CAUSE ALGAL BLOOMS THAT CONSUME OXYGEN IN STREAMS (PESTICIDES AND FERTILIZERS)
- CAUSED BY EXCESSIVE AMOUNTS OF FERTILIZERS APPLIED TO LANDSCAPES THAT WASH OFF AND ENTER THE STORMWATER SYSTEM
- PESTICIDES ARE SUBSTANCES, SOME OF WHICH ARE NATURAL AND SOME MANMADE, THAT ARE USED TO KILL INSECTS, WEEDS, RODENTS AND MOLDS. WHEN USED EXCESSIVELY OR IMPROPERLY, THEY CAN END UP IN STREAMS AND HARM AQUATIC LIFE





ALGAL BLOOM

TRASH, DEBRIS, & LITTER



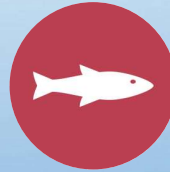
Street litter ends up in our waterways



Improper storage of trash — uncovered trash cans and dumpsters — can be a large contributor



Litter clogs stormwater inlets, become floatable is stormwater infrastructure, and eventually make their way to creeks, streams, and rivers



Harm wildlife



TRASH, DEBRIS, & LITTER (CONT.)



CHEMICALS

POORLY MAINTAINED VEHICLES

OILY PARTS LEAKING/OVERFLOWING
FROM OIL CONTAINERS

SOAP AND OTHER CLEANERS FROM
VEHICLE WASHING

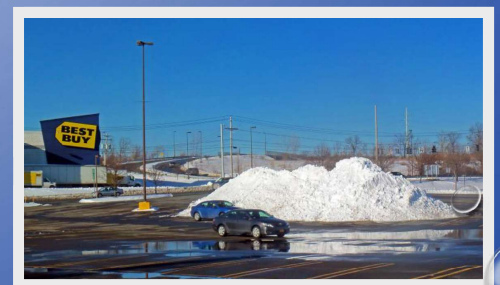
DUMPING OF MOP WATER OR
CLEANING AGENTS

EXAMPLES OF CHEMICAL POLLUTANTS
ARE:

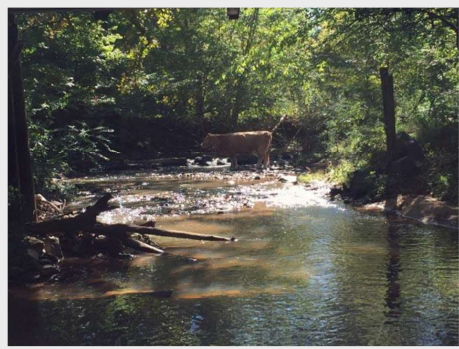
- SOLVENTS
- ANTI-FREEZE
- HYDRAULIC FLUID
- LUBRICANTS
- PAINTS & COATING
- DETERGENTS

CHLORIDES

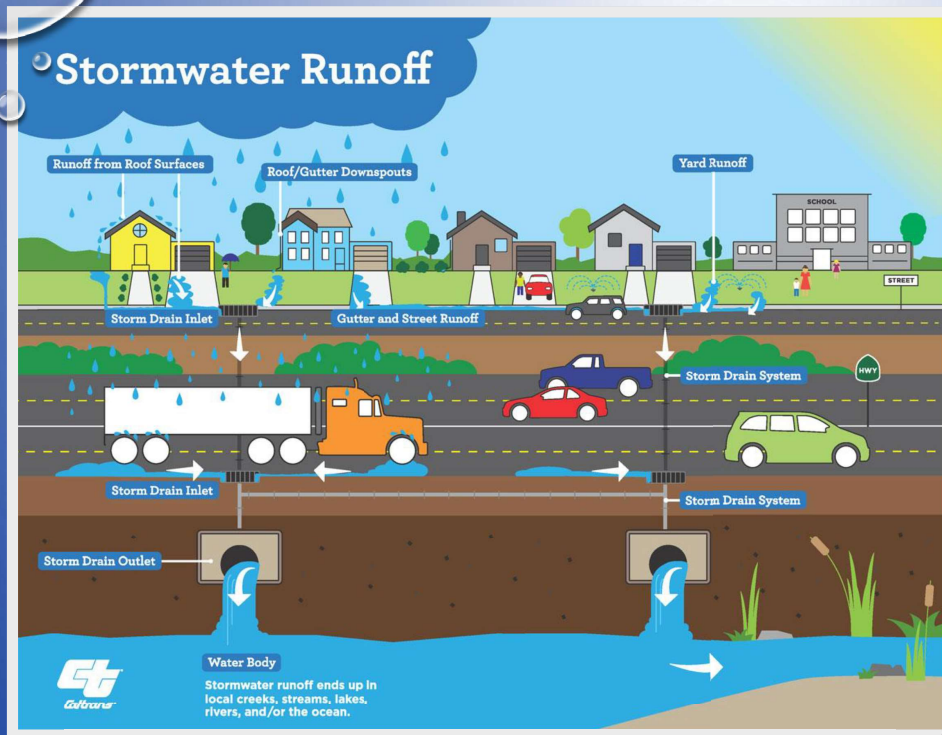
- CAN BE EASILY TRANSPORTED BY STORMWATER
- NOT EASILY REMOVED FROM STORMWATER ONCE DISSOLVED
- TOXIC PROPERTIES IN FRESHWATER STREAMS
- SALINE WATER IS CORROSIVE TO VEHICLES AND INFRASTRUCTURE



BACTERIA



- WILDLIFE & LIVESTOCK WASTE
- IMPROPER MANAGEMENT OF PET WASTES
- SEPTIC TANKS
- LEAKING SEWER LINES



WHERE ARE POLLUTANTS GOING IF NOT CONTROLLED AT THE SOURCE?

- RAIN AND SNOWMELT CAN DIFFUSE POLLUTANTS INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) THAT DISCHARGES INTO CREEKS AND RIVERS



TO REDUCE URBAN RUNOFF POLLUTION, MS4S MUST COMPLY WITH PADEP MS4 PERMIT REQUIREMENTS

- REQUIRED CONTROL MEASURES FOR MCM#6:

- ✓ FACILITY INVENTORY
- ✓ FACILITY OPERATION & MAINTENANCE PLAN
- ✓ EMPLOYEE TRAINING

FACILITY INVENTORY & ACTIVITIES

INVENTORY

- STREETS, ROADS, PARKING LOTS
- MAINTENANCE & STORAGE YARDS
- PARKS
- FLEET/MAINTENANCE SHOPS
- STORMWATER CONVEYANCES
- STORMWATER BASINS

ACTIVITIES

INLET/OUTLET CLEANING

LAWN/GROUNDS CARE

STORM SYSTEM MAINTENANCE

PARK AND OPEN SPACE MAINTENANCE

VEHICLE MAINTENANCE

LEAF YARD DEBRIS MANAGEMENT

FACILITY INVENTORY

LOWER ALLEN TOWNSHIP INVENTORY OF FACILITIES AND ACTIVITIES WITH POTENTIAL TO GENERATE STORMWATER RUNOFF

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
1	Beacon Hill	1525 Capitol View Drive	Neighborhood park	3.4	Play structure; Pavilion	Recreation	Maintenance	Trash	Grass lined swale
2	Radar Site	1612 Lowell Lane	Passive park	8.1	Open space; parking area	Passive recreation	Maintenance	Trash; vehicle drippings	Grass lined swale
3	Beacon Hill Land	Beacon Hill Blvd. At Poplar Avenue	Open field, wooded floodplain	9.7	Open space	Passive recreation	Maintenance	Trash	Riparian buffer
4	Creekwood	150 Creekwood Drive	Neighborhood park	5.6	Picnic tables; trail	Passive recreation; hiking; fishing; parking area	Maintenance	Trash; vehicle drippings	Porous asphalt trail; riparian buffer
5	Allendale	221 Deerfield Road	Neighborhood park	1.2	Pavilion; swing set; play structure; merry-go-round; basketball court	Recreation	Maintenance	Trash	None
6	Highland Park Playground	1301 Chatham Road	Neighborhood park	2.0	Pavilion; picnic tables; tennis court; basketball court; shuffleboard court; play structure; swing set	Recreation	Maintenance	Trash	None

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
16	Sheepford Crossing Basin 2	Ewe Road	Stormwater detention basin	1.0	Basin with outlet structure	None	Maintenance	Trash; vehicle drippings; other material in street runoff	SWM basin; rock filter at outlet structure
17	Public Works Shop	1400 St. Johns Road	Public Works Department Facility	16.2	Office, storage and maintenance building; storage sheds; asphalt pads; parking area; stormwater basins	Vehicle storage and maintenance; material storage; yard waste processing and storage	Building and site maintenance; vehicle storage and maintenance; material storage; yard waste processing and storage	Trash; vehicle drippings; road salt; vehicle maintenance materials and fluids	SWM basins; oil/water separator; salt settling basins
18	Leaf Composting Facility	2750 Yetter Court	Leaf composting facility	4.9	Asphalt pad	Composting leaves collected from throughout the Township	Composting leaves collected from throughout the Township	Trash; vehicle drippings; nutrients from leaf compost	SWM basin
19	LA Fire Station 2	800 Rupp Avenue	Fire station	0.7	Building, parking lot	Office; vehicle and equipment storage	Maintenance	Trash; vehicle drippings	None

MINIMUM CONTROL MEASURE 6

EMPLOY POLLUTION PREVENTION GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES (BMPS) TO CONTROL STORMWATER RUNOFF POLLUTION AT TOWNSHIP OWNED FACILITIES

- PUBLIC WORKS FACILITY
- FACILITY AND ROAD MANAGEMENT
- WASTE HANDLING AND DISPOSAL
- LOADING & UNLOADING
- STOCKPILING & STAGING
- PAINTING
- COMPOSTING
- EARTH DISTURBANCE & CONSTRUCTION
- PARK MAINTENANCE



PUBLIC WORKS GOOD HOUSEKEEPING BMPS

- VEHICLE FUELING
- VEHICLE MAINTENANCE
- VEHICLE WASHING
- WINTER ROAD MANAGEMENT



VEHICLE FUELING

- MONITOR FUELING ACTIVITY
- DO NOT TOP OFF FLUIDS
- CLEAN UP SPILLS IMMEDIATELY
– SPILL KIT AND MATERIALS ARE AT OUR FUEL ISLAND
- PREVENT SPILLS FROM ENTERING STORM DRAINS
- REPLENISH SPILL KIT MATERIALS



RE-FUELING RULES OF THUMB

- PREVENT EXPOSURE TO RAIN
- DO NOT HOSE DOWN FUELING AREAS
- CLEAN UP USING DRY CLEANING METHODS
- ROUTINELY WIPE DOWN SPIGOTS & FUEL PORTS
 - ❖ REFUELING OFF SITE?
 - ✓ KEEP SPILL CLEANUP SUPPLIES ON HAND
 - ✓ STAY AWAY FROM INLETS AND WATERWAYS WHEN FUELING



VEHICLE MAINTENANCE BMPS

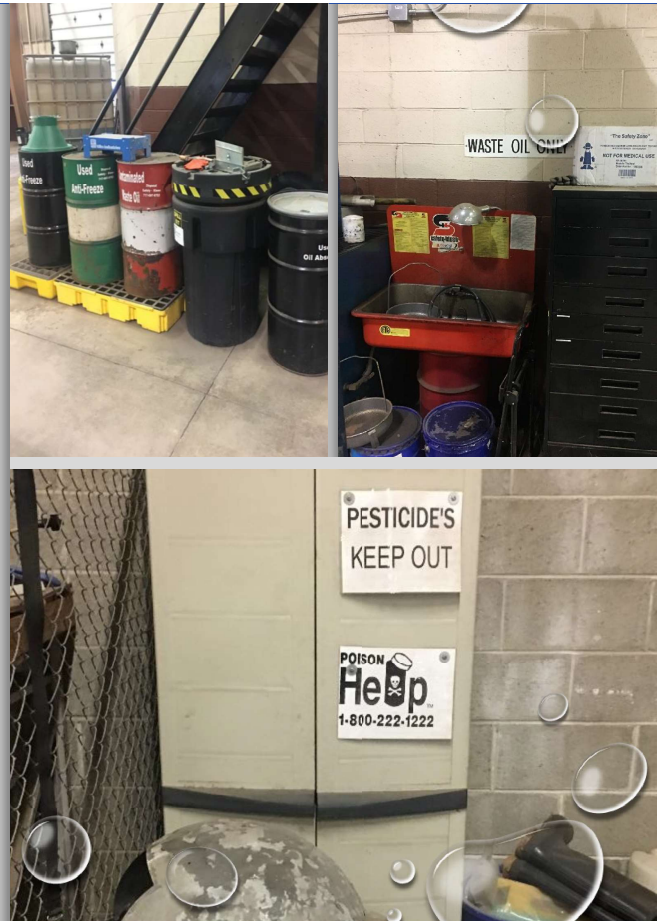
DAMAGED VEHICLES:

- STEER CLEAR OF STORM INLETS
- PARK INDOORS OR UNDER COVER
- COLLECT LEAKING FLUIDS
- EMPTY DRIP PANS AS NECESSARY
- REPORT SPILLS OVER 5 GALLONS

VEHICLE MAINTENANCE

MATERIAL STORAGE AND HANDLING:

- PREVENT EXPOSURE TO RAIN & RUNOFF
 - AWAY FROM STORM INLETS
 - KNOW THE BMP PROCEDURES
-
- ✓ INDOORS OR UNDER COVER
 - ✓ ON CONCRETE SURFACE
 - ✓ SECONDARY CONTAINMENT
 - ✓ SAFE & STABLE STORAGE
 - ✓ PROPER DISPOSAL
 - ✓ PROPER LABELS/IDENTIFICATION
-
- ❖ WHEN IN DOUBT REFER TO MATERIAL SAFETY DATA SHEETS (MSDS)



VEHICLE MAINTENANCE (CONT.)

FLUID TRANSFER

- KNOW PROPER PROCEDURES
- USE SUPPLIES TO SIMPLIFY TASKS
- HAVE DESIGNATED TRANSFER STATIONS
- SECONDARY CONTAINMENT
- CLEANUP SPILLED PRODUCT WITH ABSORBENT
- DRY WIPE PORTS & CONTAINERS



DANGER

HAZARDOUS MATERIALS



LABEL CONTAINERS! IDENTIFY CONTENTS

HAZARDOUS MATERIALS

- ANY AGENT OR ITEM WITH THE POTENTIAL TO CAUSE HARM TO HUMANS, ANIMALS, OR THE ENVIRONMENT
 - BIOLOGICAL
 - CHEMICAL
 - RADIOLOGICAL
 - PHYSICAL

LAWS GOVERN MANUFACTURE, DISTRIBUTION, USE, DISPOSAL, CLEANUP AND REMEDIATION!

SPILL RESPONSE & CLEANUP

#1 – BE PREPARED

PROPER RESPONSE AND CLEANUP PROCEDURES

KNOW STORM DRAIN INLET LOCATIONS

PROTECT INLETS IMMEDIATELY TO AVOID RELEASE TO MS4

LOCATE SPILL CLEANUP SUPPLIES

APPLY ABSORBENT

CLEANUP AND DISPOSE OF USED MATERIAL

REAPPLY ABSORBENT AS NEEDED

REPORT TO MS4 COORDINATOR SPILLS OVER **5 GALLONS** FOR DOCUMENTATION

IN ALL SITUATIONS, ESPECIALLY EMERGENCY SITUATIONS, CONSULT THE TOWNSHIP PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN!



**If Hazardous Waste,
you must dispose as
such. Consult MSDS
for proper disposal
instructions!**



Spill Center



PROTECT

- Evacuate non-essential personnel.
- Assess the spill and identify the liquid.
- Choose the proper protective clothing and equipment to safely respond.



CONFINE

- Confine the spill with absorbent socks or booms.
- Overlap socks ends several inches to prevent liquids from breaking through.



CLEAN UP

- Clean up the spill with mats, pillows or loose absorbents.
- Place the absorbents starting from the outside of the spill inward.



DISPOSE

- Place saturated absorbents in provided yellow temporary disposal bags and close with included plastic ties.
- Dispose of properly.



ABSORBENTS

- GRANULAR PRODUCTS
- ABSORBENT PADS, MATS & SOCKS
- DRUM COVERS

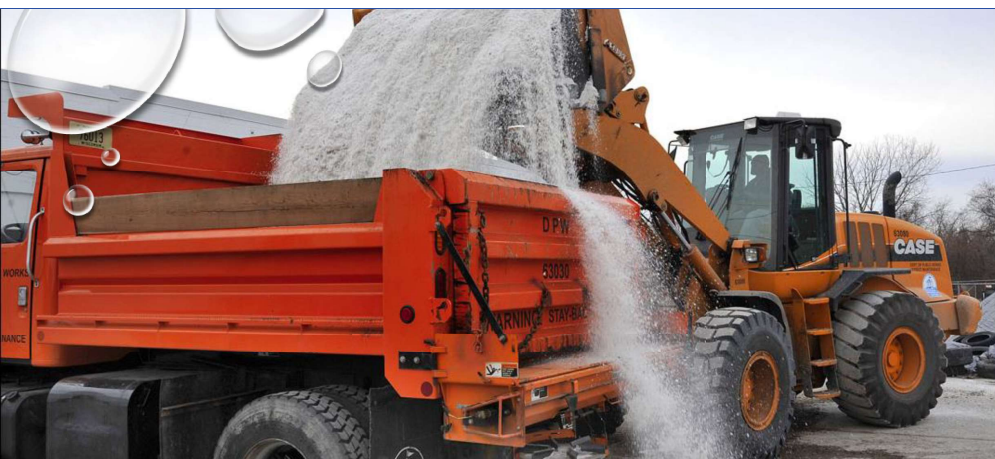
INVENTORY AND REPLENISH
SUPPLIES AS NECESSARY



Vehicles to
be washed in
designated
area only

VEHICLE WASHING

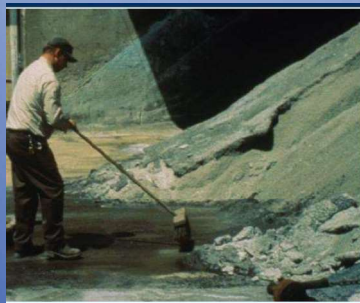
- DO NOT HOSE OFF VEHICLES INTO STORM DRAINS
- USE DESIGNATED VEHICLE WASH STATION THAT FILTERS WASH WASTER
- **AVOID EXCESSIVE DETERGENT! IT'S NOT AN AUTHORIZED RELEASE UNDER OUR NEW PAG-13 PERMIT ONCE OUR ORDINANCE REVISION IS ADOPTED**



ROAD SALTING

- AVOID OVERFILLING TRUCKS
- MAKE SURE SPREADERS ARE WORKING PROPERTY
- REDUCE APPLICATION RATES –
ONLY WHEN POSSIBLE!
SAFETY FIRST
- SWEEP UP SPILLS

SALT STORAGE



- COVER AND CONTAIN STOCKPILES
- KEEP AWAY FROM STORMWATER INLETS
- KEEP MATERIAL DRY
- SWEEP DURING & AFTER OPERATIONS

OTHER MUNICIPAL ACTIVITIES

POLLUTION PREVENTION
GOOD HOUSEKEEPING BMPS

FACILITY & ROAD MANAGEMENT

SWEEP REGULARLY USING DRY METHODS:

- ✓ BROOM
- ✓ VACUUM EQUIPMENT

AVOID HOSING DOWN & POWER WASHING TO
PREVENT POLLUTANTS FROM ENTERING MS4

REGULARLY CHECK AND CLEANUP AREAS PRONE TO
LITTER OR DEBRIS ACCUMULATION





WASTE HANDLING

- LOCATE DUMPSTERS AWAY FROM INLETS – ADD INLET FILTER IF NECESSARY
- INSPECT RECEPTACLES
- CLOSE LIDS/LEAK PROOF
- LABEL RECEPTACLES FOR CONTENTS

STOCKPILING & STAGING

- KEEP AWAY FROM INLETS AND DRAINAGE PATHWAYS
- COVER, CONTAIN AND ELEVATE TO PREVENT CONTACT WITH RAINWATER
- SWEEP UP MATERIALS!
- PLAN AHEAD AND KEEP SUPPLIES ON HAND IF NEEDED (TARPS ETC.)



PARK & OPEN SPACE MAINTENANCE

- MULCH GRASS – KEEP CLIPPINGS OUT OF STREET AND AWAY FROM INLETS
- DO NOT OVERAPPLY PESTICIDES AND FERTILIZERS OR SPRAY INTO STREETS OR PAVED AREAS IF POSSIBLE
- IF POSSIBLE, DEFINE AREAS AS “NO MOW” ZONES AND LEAVE IN NATURAL STATE – BENEFITS ARE NUMEROUS (REDUCED TIME, COST, EROSION BUFFERS, NUTRIENT REMOVAL, INFILTRATION)



COMPOSTING

- MANAGE RUNOFF FROM COMPOST SITES AND OPERATIONS
- ROUTE RUNOFF AND LEACHATE INTO TREATMENT STRUCTURE (BASIN)
- MANAGE COMPOST PILES TO PREVENT THEM FROM BECOMING ANAEROBIC





POLLUTION PREVENTION PAYS

IT EFFECTIVELY PREVENTS OR REDUCES STORMWATER POLLUTION

PREVENTING SPILLS AND LEAKS AVOIDS CLEANUP & REMEDIATION COSTS

LOWERS OUR LIABILITY

REDUCES EMPLOYEE RISK — SAFER WORKING CONDITIONS

REDUCES INSURANCE CLAIMS

AVOIDS COSTLY FINES

LOWER ALLEN TOWNSHIP LEADS BY EXAMPLE



PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN FOR THE PUBLIC WORKS FACILITY

- PLAN IMPLEMENTATION – PUBLIC WORKS COORDINATOR AND TOWNSHIP ENGINEER
- CHAIN OF COMMAND IN THE EVENT OF AN EMERGENCY OR SPILL:

1. BRADLEY MCCULLOUGH – PUBLIC WORKS DIRECTOR/TOWNSHIP ENGINEER
2. THOMAS VERNAU – TOWNSHIP MANAGER
3. DAVID HOLL – PUBLIC SAFETY DIRECTOR/EMERGENCY MANAGEMENT

SPILL LEAK PREVENTION AND RESPONSE

VEHICLE FUELING FACILITY

- ALL FUEL IS STORED IN PERMITTED UNDERGROUND TANKS
- FACILITY IS UNDER COVER
- ANY SPILL WOULD FLOW TO THE STORMWATER DETENTION BASIN

NON-REUSABLE WASTE OIL

- STORED UNDERGROUND IN A WASTE OIL TANK OUTSIDE THE BUILDING
- ANY SPILL INSIDE THE BUILDING WOULD PASS THROUGH THE BUILDING'S OIL SEPARATOR WITH FLOW CONTROL

SALT

- DEICING SALT IS STORED IN A COVERED BUILDING WHERE LOADING OPERATIONS OCCUR
- RUNOFF DIRECTED TO A STORMWATER DETENTION BASIN WITH NO DISCHARGE – SETTLING BASIN

INSPECTION AND MONITORING

- ROUTINE GENERAL INSPECTIONS OF THE SITE OCCUR ON A DAILY BASIS
- UNDERGROUND FUEL TANKS ARE EQUIPPED WITH MONITORING DEVICES WITH AN ALARM SYSTEM. THE UNDERGROUND STORAGE PERMIT REQUIRES INSPECTIONS OF THE TANKS
- FUEL DISPENSING EQUIPMENT IS INSPECTED FOR PROPER OPERATION

PREVENTATIVE MAINTENANCE

- ALL VEHICLES AND EQUIPMENT ARE INSPECTED AND MAINTAINED THROUGH A PREVENTATIVE MAINTENANCE PROGRAM RUN BY THE TOWNSHIP'S FLEET MANAGEMENT DIVISION



HOUSEKEEPING PROGRAM



MATERIAL STORAGE

- OTHER THAN BULK MATERIALS, MATERIALS ARE STORED SECURLY AND NEATLY WITHIN THE MAINTENANCE BUILDING
- ALL EMPLOYEES MAKE A CONCIOUS EFFORT TO HANDLE MATEERIALS WITH CARE TO AVOID SPILLS
- PROPER CLEANUP PROCEDURES ARE IMPLEMENTED IF A SPILL DOES OCCUR

SECURITY & TRAINING

- EQUIPMENT IS STORED IN A LOCKED MAINTENANCE BUILDING DURING NON-WORKING HOURS
- A LOCKED GATE SECURES THE YARD WASTE RECYCLING STORAGE AND PROCESSING AREA DURING NON-WORKING HOURS
- ALL MATERIALS ARE STORED IN A MANNER SO THAT POWER OUTAGES AND STORMS WOULD NOT CAUSE A SPILL OR LEAK
- THE PUBLIC WORKS DEPARTMENT HAS A SAFETY MANUAL. ALL EMPLOYEES THAT WORK ON SITE ARE TRAINED IN SAFE PERFORMANCE OF THEIR WORK IN ACCORDANCE WITH THE MANUAL





COUNTERMEASURES

- **IN THE EVENT OF AN INCIDENT, EMPLOYEES WILL UTILIZE THE COUNTY 911 SYSTEM**
- **THE TOWNSHIP OPERATES AN ALL-HAZARDS EMERGENCY RESPONSE PLAN. THIS PLAN IS OPERATED THROUGH THE TOWNSHIP EOC IF REQUIRED**
- **THE ALL HAZARDS PLAN CONTAINS RESOURCES LISTS AND CONTACT INFORMATION FOR RESOURCES THAT MAY BE NEEDED IN THE EVENT OF AN INCIDENT AT THE FACILITY**

COMMUNICATIONS/EVACUATION/EMERGENCY EQUIPMENT



- EMPLOYEES MAINTAIN CONTACT THROUGH THE USE OF MOBILE AND PORTABLE TWO-WAY RADIOS WHERE NOTIFICATIONS CAN OCCUR IF REQUIRED
- EMERGENCY EXIT PLANS ARE POSTED THROUGHOUT THE MAINTENANCE BUILDING IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE
- THERE ARE PORTABLE FIRE EXTINGUISHERS IN THE MAINTENANCE BUILDING
- ADDITIONAL RESPONSE EQUIPMENT IS AVAILABLE FROM THE PUBLIC SAFETY DEPARTMENT IF REQUIRED

QUESTIONS/COMMENTS?

REBECCA DAVIS

RDAVIS@LATWP.ORG

717-975-7575 EXT 1010

STORMWATER PROGRAM MANAGER

PUBLIC EDUCATION & OUTREACH

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #12 – MORELAND PRP PROJECT OUTREACH

MS4 OUTREACH PROJECT

Date: April 20, 2021

Description: Notification to 46 properties located in both Upper and Lower Allen Townships within proximity to the Moreland Detention Basin.

Attachments

- Sample Letter
- Map Enclosure
- Mailing List



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

April 20, 2021

Jane E Brubaker
Or Current Occupant
551 Brighton Place
Mechanicsburg, PA 17055

Dear Jane E Brubaker,

As part of our Pollution Reduction Plan (PRP) mandated by the Pennsylvania Department of Environmental Protection (PADEP), Lower Allen Township will be retrofitting the stormwater detention basin at the rear of Oxford Drive into a Bioretention Facility (see attached location map). Construction is expected to begin in late May of 2021 with completion expected to be late summer or early fall of 2021. This schedule is weather dependent.

The basin is required to be retrofitted due to a federal mandate from the Environmental Protection Agency (EPA) and PADEP to remove pollutants from the Township's stormwater runoff. Retrofitting the basin from a detention basin into bioretention facilities will reduce the pollutants that enter our stormwater runoff that would eventually reach the Cedar Run, Yellow Breeches Creek, Susquehanna River, and eventually the Chesapeake Bay.

The retrofit project will involve several steps:

1. Excavate and remove existing soil in basin bottom.
2. Amend topsoil by combining it with compost to create a higher level of soil porosity.
3. Plant native plants with deep root systems in the basin bottom to filter out pollutants and infiltrate stormwater.
4. Construct a stone berm at the outlet structure of the basin to hold a shallow volume of water for a short period of time to retain runoff from small storms for treatment and infiltration.

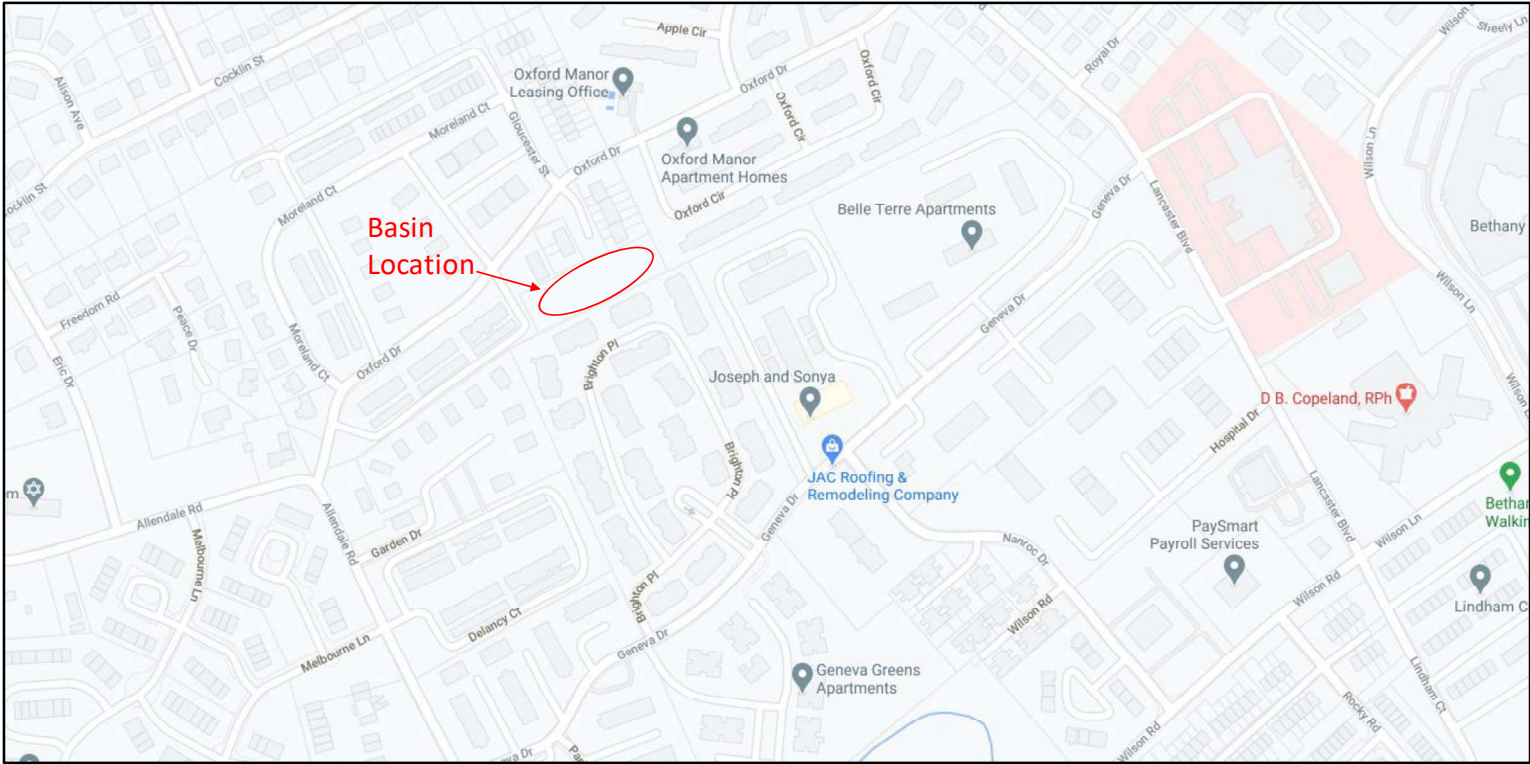
The Township will continue to own and maintain the facility once completed.

If you have any questions regarding this upcoming project, please contact Rebecca Davis, Stormwater Program Manager, at rdavis@latwp.org, or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager

Moreland Basin Location Map



Munic.	Owner Name	Property Location	Pin Number
Lower Allen	OXFORD MANOR ASSOCIATES, LTD	5349 OXFORD DR	13-24-0791-001
Lower Allen	ZEESHAN, MUHAMMAD	5404 OXFORD DR	13-24-0791-002AU5404
Lower Allen	HALKIAS, MARY	5406 OXFORD DR	13-24-0791-002AU5406
Lower Allen	COLAIZZI, ROBERT	5408 OXFORD DR	13-24-0791-002AU5408
Lower Allen	RENNINGER, JOHN	5410 OXFORD DR	13-24-0791-002AU5410
Lower Allen	RUPP, JEFFREY & MARY SUSANNE	5412 OXFORD DR	13-24-0791-002AU5412
Lower Allen	FEEHRER, JR, BARRY D.	5414 OXFORD DR	13-24-0791-002AU5414
Lower Allen	STASIULATIS, LEANNE	5416 OXFORD DR	13-24-0791-002AU5416
Lower Allen	RISSER, GERALD	5418 OXFORD DR	13-24-0791-002AU5418
Lower Allen	GOSS, RYAN M.	5420 OXFORD DR	13-24-0791-002AU5420
Lower Allen	MATTERN, ANTOINETTE N.	5422 OXFORD DR	13-24-0791-002AU5422
Lower Allen	BASOM, BARRY J. III	5400A OXFORD DR	13-24-0791-054
Lower Allen	SKELLY, DANIEL & KAREN	5400B OXFORD DR	13-24-0791-053
Lower Allen	CROWELL, STEVEN & CANDICE	5400C OXFORD DR	13-24-0791-052
Lower Allen	PANKAKE, GLENN & LINDA MORRISON	5400D OXFORD DR	13-24-0791-051
Lower Allen	MCNULTY, EILEEN M.	5400E OXFORD DR	13-24-0791-050
Lower Allen	PORT, JACK T.	5400F OXFORD DR	13-24-0791-049
Lower Allen	CAMPBELL, LEAH H.	5400G OXFORD DR	13-24-0791-048
Lower Allen	GROTHER, SUSIAN M.	5402A OXFORD DR	13-24-0791-055
Lower Allen	CHUNG, WOO YOUNG	5402B OXFORD DR	13-24-0791-056
Lower Allen	KRUISE, JESSICA D.	5402C OXFORD DR	13-24-0791-057
Upper Allen	Associa Mid-Atlantic, AAMC	Oxford Drive HOA	Moreland Community
Upper Allen	KUCZEK, AMY J	544 BRIGHTON PLACE	42-24-0791-164U544
Upper Allen	LENOIR, HATTIE E	542 BRIGHTON PLACE	42-24-0791-164U542
Upper Allen	JOHNSON, REGINA M	540 BRIGHTON PLACE	42-24-0791-164U540
Upper Allen	LAUFER, THERESA M	538 BRIGHTON PLACE	42-24-0791-164U538
Upper Allen	WARNER, GLADYS S	534 BRIGHTON PLACE	42-24-0791-164U534
Upper Allen	WENTZ, JO	536 BRIGHTON PLACE	42-24-0791-164U536
Upper Allen	GIFFIN, PAMILA E	548 BRIGHTON PLACE	42-24-0791-164U548
Upper Allen	MECK, MILDRED H	546 BRIGHTON PLACE	42-24-0791-164U546
Upper Allen	LOUDENSLAGER, MICHAEL PAUL & LYNN AILEEN	550 BRIGHTON PLACE	42-24-0791-164U550
Upper Allen	MEASE, RODNEY E	552 BRIGHTON PLACE	42-24-0791-164U552
Upper Allen	FINK, CLAIR E & JOYCE J	556 BRIGHTON PLACE	42-24-0791-164U556
Upper Allen	PREMICI, DINO	554 BRIGHTON PLACE	42-24-0791-164U554
Upper Allen	RIDDLE, JOHN LEE	558 BRIGHTON PLACE	42-24-0791-164U558
Upper Allen	LIBHART, JOHN W	560 BRIGHTON PLACE	42-24-0791-164U560
Upper Allen	REYNOLDS, KATHRYNE J & KAREN C KEVELSON	562 BRIGHTON PLACE	42-24-0791-164U562
Upper Allen	REDDEN, MARLENE	564 BRIGHTON PLACE	42-24-0791-164U564
Upper Allen	STITZEL, GARY R & NORMA J	566 BRIGHTON PLACE	42-24-0791-164U566
Upper Allen	CATLIN, PATRICIA N	568 BRIGHTON PLACE	42-24-0791-164U568
Upper Allen	MORRIS, MEG	557 BRIGHTON PLACE	42-24-0791-164U557
Upper Allen	FOSTER, M ELAINE	559 BRIGHTON PLACE	42-24-0791-164U559
Upper Allen	HERRING, VIRGINIA A	555 BRIGHTON PLACE	42-24-0791-164U555
Upper Allen	JOBES, T DANIEL	553 BRIGHTON PLACE	42-24-0791-164U553
Upper Allen	HELMS, MARY BETH	549 BRIGHTON PLACE	42-24-0791-164U549
Upper Allen	BRUBAKER, JANE E	551 BRIGHTON PLACE	42-24-0791-164U551

ATTACHMENT #2

LOWER ALLEN TOWNSHIP TARGET AUDIENCE LISTS

Dog Park Registration List																	
First Name	Last Name	Street	Town	Municipality	Phone - H	Phone - W	Email	Vehicle	Veh. Lic.	Dog - Type	Dog Name	Dog - Type	Dog - Name	Dog - Type	Dog Name	Date	Review
A																	
William	Archie	Andring Aughtwight	248 Crook Road 120 E. Louthier St. A/E	Camp Hill, PA 17011 Carlisle, PA	LAT	Carlisle	717-975-8796 717-860-3938	andringw@comcast.net andringw@comcast.net	17 Ford f150 2010 honda accord	YV43185 29000177	(M) Rotweiler (F) Boxgumier	Mikha Miracle	(F) Boxgumier			06/03/19	06/03/20
B																	
Andrea	Jury	Bell	858 Marshall Drive	Carlisle, PA 17013	middlesex		717-460-8011	andrea_jury@yahoo.com	13 Honda CRV	RC9662	(F) Mini Labradoodle	OHEO				09/24/18	09/24/19
Patricia	Ann	Duffy	858 Marshall Drive	Carlisle, PA 17013	middlesex		717-460-8011	andrea_jury@yahoo.com	13 Honda CRV	RC9662	(F) Labradoodle	Wynette				12/04/18	12/04/19
James	Bush	Ann	4822 Virginia Road	Mechanicsburg 17055			717-554-7474	bushjames1@yahoo.com	05 Subaru outback	KW A 2476	(M) golden retriever	Danish				01/08/19	01/08/20
James	Bush	Bruce	15 Apple Lane	Mechanicsburg, PA 17055			717-512-7675	bushjames1@yahoo.com	07 CRV	FCW 1273	(M) Whiston Terrier	Sawyer				07/29/18	07/29/19
Elizabeth	Boescher	41	Kiki Farm Way	Mechanicsburg, 17050	Silver springs		717-318-5474	elizabeth13@aol.com	2017 Honda CRV	HZT 3873	(M) GSD	Jack	(M) Mixed			03/22/18	03/22/19
Phil	Brown		3425 Luthers Road	Mechanicsburg, 17050	LAT		606-662-0130	philbrown1970@yahoo.com	2010 Honda Element	JZE 8418	(M) Lab	Baker				09/19/19	04/09/20
Robert	Anthony	VanDusen	4800 VanDusen RD	Mechanicsburg, 17050	LAT		717-574-7272	robvanden@comcast.net	2015 Honda Civic	F49 9861	(F) Lab - yellow	Nadia				07/28/19	07/28/20
Matt/Sally	Brozman		5008 Fairburn Lane	Mechanicsburg, 17050	LAT		717-377-4180	mattbrozman@gmail.com	2005 Acura 6	WV 0476	(M) Lab mix	Rocky				09/18/19	09/18/20
Tonya	Burd		1201 Hobbs Drive	Mechanicsburg, 17055			717-691-2025	tonyaburd@yahoo.com	16 Explorer	KCC-7025	(F) Pit bull mix	Oliver				01/08/19	01/08/20
C																	
Sean/Ramon	Calkins		990 Consett St.	Mech. PA. 17055	Upper Allen		717-887-1005	sean72@gmail.com	2013 Nissan Rogue	KLP 6139	(M) Husky	Saipa				02/08/17	02/08/18
Chris/Jared	Christiana		400 15th Street	New Cumberland pa 17070	Upper Cumberland Boro		717-774-0701	christiana1970@gmail.com	2016 Kia Soul	MLN4183	(M) Lab/Retriever mix	Julie				01/24/18	01/24/19
Robert	Shuman	David	1800 Shuman Road	Carlisle, PA 17021	East Branch		717-260-1800	robshuman@gmail.com	2014 Ford Focus	KPR 1041	(M) Terrier mix	Joey				06/28/17	06/28/18
Felicia	Cramer		4243 W. Shilohburg Dr. B	HIBURG 17109	Susquehanna		715-513-5711	felicia1970@gmail.com	12 Ford Focus	30 254 K13	(M) Golden	Lad				02/21/17	02/21/18
Susan	Coxsey		1459 Hillcrest Court A 508	Camp Hill, PA 17011	LAT		877-7702	scoxsey1234@gmail.com	2012 Honda CRV	PX82043	(M) Labrador	Parker				06/19/17	06/19/18
Chris	Coxsey		P.O. box 178	Camp Hill, PA 17011	Thyane		717-865-6421	scoxsey1234@gmail.com	2012 Nissan Versa	29 528 170	(M) Pitbull	Oliver				06/19/17	06/19/18
Amber	Cunningham		922 Shelter lane	Camp Hill, PA 17011	LAT		717-226-4653	scunningham123@yahoo.com	2012 Honda CRV	GTP 1213	(M) Catahoula Leopard	Chloe				04/17/17	04/17/18
D																	
Joanna	Dieropert		48 Edgewood Drive	Mech. PA. 17055	Boro		717-773-0175	joanna_dieropert@yahoo.com	2016 Ford Focus	1991790<	(F) Boxgumier mix	Dixie				04/18/18	04/18/19
Joanna	Durham		8 Mirafior Drive	New Cumberland, PA 17070	Fairview		717-343-8088	joannadurham2@gmail.com	13 Toyota 01 Chevy	FS6NLK81K9490	(F) Boxgumier	Red Box				06/22/17	06/22/18
Joan	Duplain		1514 Carlisle Rd	Camp Hill	LAT		717-									05/20/17	05/30/18
Lynn	Dodderly		3026 Meridian commons Unit B	Mechanicsburg, PA 17055	LAT		903-8594	lynnodderly@hotmail.com	18 Hyundai Tucson	EWG 1612	(F) Hound mix	Dakota				04/18/18	04/16/19
E																	
Makala	Ehrly		12 Sunny Lane	Mechanicsburg, PA 17050	Silver Springs		580-5420	makalahr@yahoo.com	2013 Honda civic		(M) german Shepherd/husky	Sydney					
Maryanne	Ellenberger		809 Silver Lake Rd.	Lewisberry, PA 17339	Fairview		717-938-8366	maryanne1970@gmail.com	14 - Ford Explorer		(M) hound mix	Crealy				03/30/17	03/30/18
Gene	Evans		1608 Summit Ave.	Camp Hill, PA 17011			737-0254	geneevans@verizon.net	06 Subaru Forester	WR88325	(F) Mixed	Lucy				05/16/18	05/16/19
F																	
Amy	Fabunkeoti		312 Behlre Drive	Shirromontown, PA 17011	Lat		717-599-0133	afabunkeoti4@gmail.com	2016 Nissan Altima	KNC 7147	(F) Akita	Kuma	(F) Lab/Border Collie mix	Lady		08/15/19	08/15/20
Rebecca	Falciano		990 Orchard Ave. Lot 7	Camp Hill, PA 17011	LAT		329-9260	rebecca_falciano@yahoo.com	2015 Ford Focus		(M) Pitmix	Sissy				02/08/17	02/08/18
Rachel	Ferguson		63 Greenwich Ave.	Camp Hill, PA 17011	Wormleysburg		717-439-0504	rachel_ferguson@yahoo.com	18 honda Ridgeline	jst 5756	(M) Mini Dinkidoodle	Bella				03/06/16	03/06/17
Eady	Filingeri		3637 N. 7th Street - Apt. 1	Harrisburg, PA 17110	Susquehanna rpre		665-5392	eadyfilinger@gmail.com	Jetta		(F) GSV mix	Shyla				07/08/16	07/08/17
Betsy	Fish		497 Lamp Post Lane	Camp Hill, PA 17011	Harrisburg Township		717-66535	betsyfish715@yahoo.com	96 Nissan truck		(M) English setter/Mex border terrier	Bel				02/24/14	02/12/15
Mike/April	Forester		123 Spring Rd.	Dillsburg, PA	Carlisle mix		717-458-2147	mforester92@gmail.com	08 Hydra Santa Fe	HN2 4301	(M) yellow lab/mix	Cooper				05/31/17	05/31/18
Todd/Lane	Fuener		2090 Sunset Drive	Camp Hill, PA 17011	Erie Pennsboro		717-576-6420	tfuener@gmail.com	2012 Aca Sorrento	KP97573	(M) Mountain Car/Sheltie	Mae	(M) Beagle	Max		06/17/18	06/01/19
Beverly	Galies		2008 South 16th St.	Camp Hill, PA 17011	Camp hill boro		717-770-9979	bvg17@gmail.com	03 Honda Odyssey	CR88N00Y	(F) Cockapoo	Stella	(F) Shiba/shoodle	Luna		04/21/18	04/21/19
G																	
Paula	Gandis		1805 Apple Drive	Mechanicsburg, PA 17055	Mechanicsburg		717-712-4451	paulagandis@yahoo.com	2001 Black Landau		(M) Australian Shepherd - mix	Bonky				05/18/18	05/18/19
Joanne	Gallucci		116 Turfville Hollow Dr	Lewisberry, PA 17339	Fairview		443-4042	joanne_gallucci@yahoo.com	(F) Border collie mix	JCG7109	(F) Border collie mix	Bella				03/04/16	03/04/17
Carl	Ganter		1222 Edinburg Circle	New Cumberland, PA 17070	NewCumberland boro		515-9992	carlganter@yahoo.com	2012 Mercedes	J859719	(F) Husky	Tex.				07/06/15	07/06/16
Kelly	Gary		1409 Jalkent Ct. #50	Camp Hill, PA 17011	LAT		385-7399	kellygary@yahoo.com	2013 Toyota Camilla	H8G21757	(F) Husky	Debbie				07/06/16	07/06/17
Kelly	Gavin		1905 Chatham Road	Camp Hill, PA 17011	Camp Hill Boro		717-421-4865	gavin1970@gmail.com	2018 VW		(M) Border Collie mix	Debbie				04/04/19	04/04/20
Melinda	offman		Middleton offman	Mechanicsburg, PA 17055	LAT		717-665-0501	melindaoffman@yahoo.com	Ford F150	YTR 0068	(M) golden	John				06/18/16	06/18/17
Kathleen	Gehin		601 Colonial View Street	Mech. 17055	LAT		717-422-6521	kathleengehina@gmail.com	2017 Hyundai Accent	KTYE 8068	(F) Yorkie	Dickson				04/08/19	04/08/20
Paul and Twila	Gentner		4129 W. Iden Bend Road	Mechanicsburg, PA 17050	LAT		318-8900	paulgentner@yahoo.com	2012 GMC2014 Nissan	ZF37603(DH0943)	(F) Brittany Spaniel	Molly				8/21/2005	8/21/2006
Cindy	Gibson		451 Boulder Ave	Lemoyne, PA 17043	Lemoyne		612-2326	cindy_gibson@yahoo.com	2013 Honda civic		(F) Chihuahua mix	Sydney				04/10/15	04/10/16
Tod	Greaser		2008 Lamp post lane	Camp hill, PA 17011	Hampton		717-59895	greaser1970@gmail.com	Ford Explorer	F14	(F) Border collie	Lani				01/05/16	01/05/17
Charles	Gray		424 Henna Ave.	Lemoyne, PA 17043	Lemoyne		612-2326	charlesgray@yahoo.com	2012 Honda civic	YFV 9428	(M) Mini Dachshund	Sydney	(F) mini Dachshund	Aunt Be		04/10/15	04/10/16
Steve/Valecie	Gree		101 bellows Court	Lewisberry, PA 17339	Fairview		309-9504	stevegree@yahoo.com	2014 Ford Focus	E8000901	(M) Lab	Gasp				12/24/16	12/24/17
Betsy/Mary	Gushb		204 York road	New Cumberland	Fairview Township		695-1489	betsy_gushb@yahoo.com	04 Ford Expedition	009441Z	(F) hound	Coco				05/06/16	05/06/17
Kelly	Gushb		202 W. Courtland Ave	Shirromontown, PA 17011	LAT		716-0817	kelly_gushb@yahoo.com	2013 Ford Explorer	WE146237	(F) Shetlandcollie	Chloe				07/06/16	07/06/17
Kelly/Brian	Gutscheite		25 Oak Hill Circle	Etnes, PA 17339	Norbury Twp		717-443-4108	kellygutscheite@gmail.com	2014 GMC2014 Subaru		(F) Pit bull	Alex				07/19/17	07/17/18
Joelle	Gunther		1000 Tynan Circle	Etnes, PA 17339	Norbury Twp		717-545-0640	joellegunther@yahoo.com	2007 Toyota Tundra	WV 02956	(M) Boxer	Bea				06/21/17	06/21/18
Lynn	Gundam		47 Sandi Andrews Way	Etnes, PA 17339	Norbury		938-9004	lynn_gundam@yahoo.com	14 toyota tundra		(F) Coon blood	CLEO				06/17/16	06/07/17

Q/R

Jennifer	Rashor	4357 N second st	Harrisburg, PA 17110	Susquehanna	991-7994	jag523@comcast.com	Highlander	GPE 2687	(M) Shiba Inu	River	(M) Shiba Inu	Rebel	7/2/2015	7/2/2016
Rebecca	Raffin	122 W. Main Street	Shiremansstown PA 17011	Shiremansstown Boro	717-737-4851	becka33@aol.com	16 Stara	ETR 1804	(f) labretriever mix	Shelby	(f) lab	Abby	9/10/2019	9/10/2020
Courtney	Response	19 Plainview Road	Camp Hill, PA 17011	LAT	717-576-3703	response116@gmail.com	Ford Escape 2013	EXW3158	(M) boxer mix	Hank			5/6/2019	5/6/2020
Ledie	Rask	16 N. Enola Drive	Enola, Pa 17025	East Pennsboro	717-979-6110	ledie25@aol.com	Honda Accord	DDA 1864	(f) Border	Ginger			7/8/2017	7/8/2018
Mathew	Rand	2010 Brooks Edge Drive A 206	Camp Hill, PA 17011	LAT	717-701-5449	mathew25@aol.com	Jesp Wrangler 14	DLX 878	(M) Lab mix	Chance			6/22/2018	6/22/2019
Mary	Resident	12 Oyster Bay Drive	Mechanicsburg, PA 17050	Silver Spring	717-525-1759	maryres1963@comcast.net	09 Audi		(M) Mix	Dumbo			8/24/2017	8/24/2018
Jennifer	Reyn	849 Huntington Ave.	Enola, Pa 17025	East Pennsboro	364-6749	jennifer1963@comcast.net	2000 Olds	GBR7908	(f) Pithester	Missy			09/01/15	09/01/16
Jose/Patricia	Reyns	136 S. 18th Street	Camp Hill, PA 17011	Camp Hill boon	717-645-5368	josepatricia54@gmail.com	Subaru Legacy Forester		(M) Shepherd ix	Mr. Feeny	(M) Beagle mix	Copper	03/01/18	03/01/19
Krista	Reynolds	824 W. Trindle Road	Camp Hill, PA 17011	Hampden	717-919-0167	kristareynolds1967@gmail.com	Kia Spectra	JRH15788	(M) Lab mix	Bear	(M) Yellow lab	Wilson	08/07/17	08/17/18
Frank/Roger	Rogersham	4815 Oakmont Green	Mechanicsburg, PA 17050	Hampden	717-875-8007	frankrogersham@aol.com	12 Acura MDX	GV1, 2814	(f) Golden	Ginger			03/19/19	03/20/20
Beth	Rucker	3573 Korta Drive	Dover, PA 17115	Dover trap.	321-7766	bethrucker1991@hotmail.com	2011 Chevy Equinox	OMC 2759	(f) American Bull dog	Lulu			03/09/15	03/09/16
Alicia	Runkle	161 Valley Drive	Carlisle, Pa 17013		717-7022361	alicia.runkle717@gmail.com			(M) Lab	Mink			06/15/15	06/15/16
Scott	Russo	4815 E. Trindle Rd.	Mechanicsburg, PA 17055	Hampden	910-554-2248	scott.russo72@gmail.com	2014 jetta		(M) GRD	Giuseppe			08/05/16	08/05/17
Andrew	Ryan	1412 3rd Street	Enola, Pa 17025	East Pennsboro	717-480-2699	andrewryan20071@aol.com	2016 VW Jetta	JRK 9059	(f) CSD	Maya			10/23/17	10/23/18

S

Name	Address	City, State	Zip
5 BROTHERS PIZZA	3401 HARTZDALE DR STE 121	Camp Hill, PA	17011
ALDI #76	3437 SIMPSON FERRY RD	Camp Hill, PA	17011
AMC CAMP HILL 12	3431 SIMPSON FERRY RD	Camp Hill, PA	17011
AMORE PIZZA	1430 Market House LN	Mechanicsburg, PA	17055
ASBURY - BETHANY VILLAGE - EAST	325 Wesley DR	Mechanicsburg, PA	17055
AUNTIE ANNE'S PA #200	3475 CAPITAL MALL DR	Camp Hill, PA	17011
BASIL LEAF THAI CUISINE	5202 SIMPSON FERRY RD STE 112	Mechanicsburg, PA	17050
BEERHANI GROCERY STORE	4 W Main ST	Camp Hill, PA	17011
BIG RAYS BURGERS AND DOGS	3619 SIMPSON FERRY RD	Camp Hill, PA	17011
BJ'S WHOLESALE CLUB #25	3805 HARTZDALE DR	Camp Hill, PA	17011
BLAZE PIZZA	3595 CAPITAL CITY MALL DR	Camp Hill, PA	17011
BONEFISH GRILL	3505 GETTYSBURG RD	Camp Hill, PA	17011
BREAKFAST CLUB DINER THE	1104 CARLISLE RD	Camp Hill, PA	17011
BREWHOUSE GRILLE	2050 STATE RD	Camp Hill, PA	17011
BRUSTER'S REAL ICE CREAM	3519 HARTZDALE DR	Camp Hill, PA	17011
BURGER KING #554	3555 OLD GETTYSBURG RD	Camp Hill, PA	17011
CAFE MAGNOLIA	4700 GETTYSBURG RD	Mechanicsburg, PA	17055
CAPITAL CITY CONVENIENCE	3977 Capital City Mall DR	Camp Hill, PA	17011
CEDAR CLIFF PIZZA	1055 CARLISLE RD	Camp Hill, PA	17011
CH MART	2205 GETTYSBURG RD	Camp Hill, PA	17011
CHARLEY'S PHILLY STEAKS (CAPITAL CITY	3506 Capital City Mall DR SPC FC5	Camp Hill, PA	17011
CHINA TEA HOUSE	4912 Louise DR	Mechanicsburg, PA	17055
COMFORT INN CAPITAL CITY	1012 WESLEY DR	Mechanicsburg, PA	17055
COUNTRY INN & SUITES	4943 GETTYSBURG RD	Mechanicsburg, PA	17055
COURTYARD BY MARRIOTT	4921 GETTYSBURG RD	Mechanicsburg, PA	17055
CREEKSIDE GRILL	3921 Lisburn RD	Mechanicsburg, PA	17055
DAVE AND BUSTERS	3503 Capital City Mall DR	Camp Hill, PA	17011
DICKEY'S BARBECUE PIT	3401 HARTZDALE DR STE 112	Camp Hill, PA	17011
DQ ORANGE JULIUS	3652 CAPITAL CITY MALL DR	Camp Hill, PA	17011
EDIBLE ARRANGEMENTS	3401 HARTZDALE DR	Camp Hill, PA	17011
FLINCHY'S	1833 HUMMEL AVE	Camp Hill, PA	17011
FUSION FIRE	3421 SIMPSON FERRY RD	Camp Hill, PA	17011
GERTRUDE HAWK CHOCOLATES	3508 CAPITAL MALL DR	Camp Hill, PA	17011
HAPPY BOX BREAKFAST LUNCH & DINER	3625 SIMPSON FERRY RD	Camp Hill, PA	17011
HEMAUER BREWING CO.	1010 Wesley Drive STE 109	Mechanicsburg, PA	17055
HEWLETTS HOT SAUSAGE	200 Belaire Drive	Camp Hill, PA	17011
HICKORY FARMS #11229	CAPITAL CITY MALL	Camp Hill, PA	17011
HIGHWAY MANOR BREWING	2238 Gettysburg RD	Camp Hill, PA	17011
HOMEWOOD SUITES HOTEL	5001 RITTER RD	Mechanicsburg, PA	17055
HUNAN EXPRESS RESTAURANT LLC	1010 WESLEY DR STE 108	Mechanicsburg, PA	17055
IDEA COFFEE MFF TYPE 3	1303 Saxton WAY	Mechanicsburg, PA	17055
ISAAC'S DELI	4940 RITTER RD	Mechanicsburg, PA	17055
JOEY'S CHICKEN SHACK	1104 Carlisle RD	Camp Hill, PA	17011
JUBA HALAL MARKET	5247 Simpson Ferry RD	Mechanicsburg, PA	17050
JUICE-N-JAVA	5258 SIMPSON FERRY RD	Mechanicsburg, PA	17050

KARVON RESTAURANT	3433 SIMPSON FERRY RD UNIT A	Camp Hill, PA	17011
KING TUT CONVENIENCE(EXON GAS)	1004 WESLEY DR	Mechanicsburg, PA	17055
LOWER ALLEN DINER	3449 SIMPSON FERRY RD	Camp Hill, PA	17011
MARZONI'S BRICK OVEN AND MICRO BR	4925 Ritter RD	Mechanicsburg, PA	17055
MASALA BISTRO INDIAN RESTAURANT	3401 HARTZDALE DR STE 120	Camp Hill, PA	17011
MCDONALD'S #00451	1100 CARLISLE RD	Camp Hill, PA	17011
MCDONALD'S #15788	1014 WESLEY DR	Mechanicsburg, PA	17055
MOE'S BAR AND GRILL	4709 GETTYSBURG RD	Mechanicsburg, PA	17055
MOMO BBQ CO	4916 Louise Drive	Mechanicsburg, PA	17055
MONKEY JOE'S ACM GROUP LLC	3608 HARTZDALE DR	Camp Hill, PA	17011
NEATO BURRITO MECHANICSBURG	5238 SIMPSON FERRY RD	Mechanicsburg, PA	17050
NEW CHINA II	1104 CARLISLE RD	Camp Hill, PA	17011
NIKOLI'S PIZZA & CATERING	3904 OLD GETTYSBURG RD	Camp Hill, PA	17011
NYREE'S RESTAURANT	1104 CARLISLE RD	Camp Hill, PA	17011
OUTBACK STEAKHOUSE	1201 LOWER ALLEN DR	Camp Hill, PA	17011
PANDA CHINESE KITCHEN	3451 CAPITOL MALL DR	Camp Hill, PA	17011
PAPA JOHN'S PIZZA	1010 Wesley DR	Mechanicsburg, PA	17055
PIZZA GRILLE #2	3817 GETTYSBURG RD	Camp Hill, PA	17011
PIZZA HUT	3300 HARTZDALE DR STE 113	Camp Hill, PA	17011
POBLANO BURRITO	3401 HARTZDALE DR STE 113	Camp Hill, PA	17011
PRE K GOURMET	4922 Louise Drive	Mechanicsburg, PA	17055
PRIMANTI BROS.	3745 Capital City Mall DR	Camp Hill, PA	17011
RESSLER'S BAGEL	5252 SIMPSON FERRY RD	Mechanicsburg, PA	17050
RITA'S PIZZA DBA ITALIAN DELIGHT	4932 LOUISE DR STE 1 & 2	Mechanicsburg, PA	17055
SAIKOU INC	5250 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SALADWORKS	3506 CAPITAL CITY MALL SPC #6	Camp Hill, PA	17011
SBARROS PIZZA	CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHAWARMA HOUSE	3616 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHEETZ CEDAR CLIFF	1508 CEDAR CLIFF DR	Camp Hill, PA	17011
SHIRLEY RAE'S LLC	1347 Saxton Way	Mechanicsburg, PA	17055
SIMPSON FERRY GULF	3635 SIMPSON FERRY RD	Camp Hill, PA	17011
SMOKER'S EXPRESS	5236 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SNOWFOX - WEIS #125	1195 LOWTHER RD	Camp Hill, PA	17011
SNOWFOX - WEIS #58	5140 Simpson Ferry RD	Mechanicsburg, PA	17055
SPICE BAZAR	2317 GETTYSBURG RD	Camp Hill, PA	17011
SPRING GATE VINEYARD AND BREWERY	1440 Market House LN	Mechanicsburg, PA	17050
STARBUCKS COFFEE #50323	1106 Carlisle RD	Camp Hill, PA	17011
SUBWAY	1010 WESLEY DR	Mechanicsburg, PA	17055
SUBWAY	5234 SIMPSON FERRY RD	Mechanicsburg, PA	17055
SUBWAY #24101	1104 Carlisle RD	Camp Hill, PA	17011
SUBWAY #26913	4910 LOUISE DR	Mechanicsburg, PA	17055
SUBWAY #59266	3401 HARTZDALE DR	Camp Hill, PA	17011
SUBWAY STORE #23860	3506 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SUMMIT FAMILY RESTAURANT	2210 OLD GETTYSBURG RD	Camp Hill, PA	17011
SUNLIGHT DINER	4729 GETTYSBURG RD	Mechanicsburg, PA	17055
SUSHI EXPRESS @ CAPITAL CITY MALL	3644 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SWEET FROG	1104 CARLISLE RD	Camp Hill, PA	17011

TATIANA'S RESTAURANT MEDITERRANEA	4601 Gettysburg RD	Mechanicsburg, PA	17055
TERIYAKI EXPRESS @ CAPITAL CITY MALL	3612 Capital City Mall DR	Camp Hill, PA	17011
TEXAS ROADHOUSE	1101 Lower Allen DR	Camp Hill, PA	17011
THE LODGE AT LIBERTY FORGE	3804 LISBURN RD	Mechanicsburg, PA	17055
THE PEPPERMILL FAMILY RESTAURANT	1010 Wesley DR UNIT 100	Mechanicsburg, PA	17055
THEA	1303 Saxton WAY	Mechanicsburg, PA	17055
THEO'S BAR & GRILLE II	3315 HARTZDALE DR	Camp Hill, PA	17011
TOKYO DINER	5202 SIMPSON FERRY RD STE 108	Mechanicsburg, PA	17050
TONY'S PIZZATOWN	5228 Simpson ferry RD	Mechanicsburg, PA	17050
TOWNE PLACE SUITES	4915 RITTER RD	Mechanicsburg, PA	17055
TRACKS END RESTAURANT	5022 ARTHUR AVE	Mechanicsburg, PA	17055
TUCKEY'S BAKERY OUTLET	2214-B GETTYSBURG RD	Camp Hill, PA	17011
TURKEY HILL MINIT MARKET #236	5150 SIMPSON FERRY RD	Mechanicsburg, PA	17055
VITO'S ITALIAN RISTORANTE	1150 LOWTHER RD	Camp Hill, PA	17011
WALMART #5888	3400 HARTZDALE DR	Camp Hill, PA	17011
WEIS MARKETS #058	5140 SIMPSON FERRY RD	Mechanicsburg, PA	17050
WEIS MARKETS #125	1195 LOWTHER RD	Camp Hill, PA	17011
WENDY'S #6400	3465 SIMPSON FERRY RD	Camp Hill, PA	17011
WHITE HILL CAFÉ% INC	1712 HUMMEL AVE	Camp Hill, PA	17011
ZAIQA KABAB & GRILL	5202 SIMPSON FERRY RD	Mechanicsburg, PA	17050

Facility Name

Capital City Mall - PR CC Limited Partnership
Capital Call Mall Drive - Macys
Camp Hill Correctional Institution
Yetter Court Enterprises LLC
Amerach LP
AMSI Investors - BJs Wholesale Club
YCH Properties LP - BJs Fueling Staion
Monkey Joe's/Camp Hill Tennis Club
Capital Plaza Associates, Inc. - Retail Shops
Wal-Mart
Theo's Restaurant
Camp Hill Partners LLC
David Becker
Batteries Plus
Highland Elementary School
William Grace
David & Stephanie Peffley
F&L Fitting Company
TSR Inc.
Flinchy's
Flinchbaugh/Bolinger Properties
Leggett Plumbing
GPS Mart Gas Station LLC
RF Fager & Company
RF Fager & Company
Smith Land Development & Improvement Corporation
Smith Land Development & Improvement Corporation
Consolidated Nutrition LLC
Highland Gardens/Guiseppe's Pizza Shop
Triangle Car Wash - Lower Allen Shopping Center
Old Gettysburg Associates
Old Gettysburg Associates
Old Gettysburg Associates
Thirteen Sac Self Storage
McDonald's Corporation
Diversified Wesley Drive LP (Retail Shops)
920 Century LP
Palumbo Real Estate
Pennsylvania American Water Company
856 Century Drive LLC

900 Century Drive
890 Century Drive
Capital Area RT Asscoiates
Pennsylvania Association of School Retirees
PA Business Center LP
Asbury Atlantic
Bethany Development Corporation
Asbury Atlantic Inc.
Asbury Atlantic Inc.
Weis Markets Inc.
Weis Markets Inc.
Turkey Hill Mini Market
Commerce Bank
PLK Real Estate LLC
West Shore Window & Door
Bridge Street Parking
Autozone
Dollar General
Thomas Brown Autobody
Etter Investments
Motel Sleepers
JMD Industries
Moe's Bar & Grill
David & Anita Reisman

Lower Allen Township MS4 Target Audience List

Cedar Run Watershed

Owner Name	Street	City
C/O Preit-Rubin Inc.	3506 Capital CityMall Drive	Camp Hill
May Department Stores Co.	3506 Capital City Mall Drive	Camp Hill
PA Industrial School	2500 Lisburn Road	Camp Hill
	2700 Yetter Court	Camp Hill
C/O Craig Eisenbert	2800 Appleton Street	Camp Hill
C/O Ryan LLC	3805 Hartzdale Drive	Camp Hill
YCH Properties	3809 Hartzdale Drive	Camp Hill
Elizabeth Grace	3608 Hartzdale Drive	Camp Hill
Capital Plaza Associates, Inc	3401 Hartzdale Drive	Camp Hill
Wal-Mart Real Estate Business Trust	3400 Hartzdale Drive	Camp Hill
Theodore & Mosca Kalathas	3315 Hartzdale Drive	Camp Hill
	3309 Hartzdale Drive	Camp Hill
David Becker	3303 Hartzdale Drive	Camp Hill
Farrow Holdings, LLC	2501 Gettysburg Road	Camp Hill
West Shore School District	1325 Carlisle Road	Camp Hill
William Grace	1850 State Road	Camp Hill
David & Stephanie Peffley	22-26 Hummel Avenue	Camp Hill
Cora Bay Ltd. LLC	1825 Hummel Avenue	Camp Hill
Robert & Kathleen Kuhn	2005 Hummel Avenue	Camp Hill
Flinchy's Property Management, LLC	1833 Hummel Avenue	Camp Hill
Flinchbaugh/Bolinger Properties	1993 Hummel Avenue	Camp Hill
Earnst, Leggett	1989 Hummel Avenue	Camp Hill
Jagtar Singh	2205 Gettysburg Road	Camp Hill
RF Fager & Company	2051 State Road	Camp Hill
RF Fager & Company	2056 & 2058 State Road	Camp Hill
Smith Land Development & Improvement Corp.	2015-2035 State Road	Camp Hill
Smith Land Development & Improvement Corp.	2010 & 2020 State Road	Camp Hill
C/O ADM Alliance Nutrition	2000 Hummel Avenue	Camp Hill
Leonard & Margaret Sorensen	301 S. 18th St - 423 S. 18th St	Camp Hill
Thomas Ntzanis	2232 Gettysburg Road	Camp Hill
Select Capital Corporation	4732 Gettysburg Road	Camp Hill
Select Capital Corporation	4718 Gettysburg Road	Camp Hill
Select Capital Corporation	4720 Gettysburg Road	Camp Hill
	4725 Gettysburg Road	Camp Hill
Richard Woodruff II	1014 Wesley Drive	Mechanicsburg
C/O Apple Property Management	1010 Wesley Drive	Mechanicsburg
	920 Century Drive	Camp Hill
	4729 Gettysburg Road	Camp Hill
	852 Wesley Drive	Mechanicsburg
	856 Century Drive	Camp Hill

Shawn, Ellis
Holly Anne, Kilmore
C/O Holy Spirit Hospital

Bethany Village
Bethany Village
Bethany Village
Weis Markets Inc.
Weis Markets Inc.
Dillon Real Estate Inc.
Commerce Bank
PLK Real Estate LLC
William & Patricia Werzyn
Bridge Street Parking LP
Autozone Inc #1883
Dolgencorp Inc.
Lance Bonsall
Etter Investments
Motel Sleepers Inc.
JMD Industries
G&L Castle Properties LLC
David & Anita Reisman

900 Century Drive
890 Century Drive
880 Century Drive
878 Century Drive
860 Wesley Drive
335 RR Wesley Drive
335 Wesley Drive
325 Wesley Drive
5225 Wilson Lane
5140 Simpson Ferry Road
5144 Simpson Ferry Road
5150 Simpson Ferry Road
5032 Simpson Ferry Road
5028 Simpson Ferry Road
5024 Simpson Ferry Road
5016 Simpson Ferry Road
5012 Simpson Ferry Road
5034 Hann Way
5030 Arthur Avenue
5035 Arthur Avenue
5022 Arthur Avenue
4713 Gettysburg Road
4709 Gettysburg Road
4705 Gettysburg Road

[illegible]

State	Zip	Parcel #
PA	17011	13-09-0547-006
PA	17011	13-23-0551-149
PA	17011	13-09-0547-007EX
PA	17011	13-10-0258-012
PA	17011	13-25-0020-055A
PA	17011	13-24-0799-178A
PA	17011	13-24-0799-256
PA	17011	13-24-0799-236
PA	17011	13-24-0801-009 & 13-23-0551-111C
PA	17011	13-23-0551-111
PA	17011	13-23-0551-147
PA	17011	13-23-0551-146
PA	17011	13-23-0551-145
PA	17011	13-23-0551-112
PA	17011	13-23-0545-442
PA	17011	13-22-0536-057
PA	17011	13-22-0536-038
PA	17011	13-22-0536-010B
PA	17011	13-22-0536-006
PA	17011	13-22-0536-009
PA	17011	13-22-0536-002 & 007
PA	17011	13-022-0536-008
PA	17011	13-23-0549-020B
PA	17011	13-23-0549-014
PA	17011	13-23-0549-011
PA	17011	13-23-0549-013
PA	17011	13-22-0536-055
PA	17011	13-22-0536-001
PA	17011	13-23-0547-035
PA	17011	13-23-0549-008
PA	17011	13-24-0795-168
PA	17011	13-24-0795-005A
PA	17011	13-24-0795-005B
PA	17011	13-25-0022-004
PA	17055	13-24-0795-180
PA	17055	13-24-0795-169
PA	17011	13-24-0795-173
PA	17011	13-25-0022-005
PA	17055	13-09-0545-011
PA	17011	13-24-0795-163

PA	17011	13-24-0795-176
PA	17011	13-24-0795-175
PA	17011	13-24-0795-174A
PA	17011	13-24-0795-174
PA	17011	13-24-0795-164
PA	17011	13-09-0545-005
PA	17055	13-09-0545-005A
PA	17055	13-09-0545-005B
PA	17055	13-09-0545-006
PA	17055	13-23-0559-078
PA	17055	13-23-0559-078A
PA	17055	13-23-0559-077
PA	17055	13-23-0559-080
PA	17055	13-23-0559-081
PA	17055	13-23-0559-090
PA	17055	13-23-0559-082
PA	17055	13-23-0559-086
PA	17055	13-23-0559-085
PA	17050	13-23-0559-087
PA	17050	13-23-0559-089
PA	17050	13-23-0559-088
PA	17050	13-25-0022-033
PA	17050	13-25-0022-002
PA	17050	13-25-0022-001

Lower Allen Township MS4 Target

Contractor Name	Contact	Street
Charter Homes		1190 Dillerville Road
Firefly Homes		3335 Morgantown Road, PO Box 7
EK Services	Bill Freels	260 Old York Road
UGI Utilities		1301 Airport Drive
Musser Home Builders	Matt Musser	10 Barrens Valley Road
PA American Water Co.		852 Wesley Drive
Berks Homes		145 Limekiln Road
Triple Crown Corporation		5351 Jaycee Avenue

Audience List

City	State	Zip
Lancaster	PA	17601
Mohnton	PA	19540
New Cumberland	PA	17070
Middletown	PA	17057
Dillsburg	PA	17019
Mechanicsburg	PA	17055
New Cumberland	PA	17070
Harrisburg	PA	17112

[illegible]

Facility Name	Owner Name
Liberty Forge Golf Course	LFGC Inc.
Charter Homes at Highpoint	
Lisburn Community Fire Co.	
West Shore Soccer Club	
Hooper Roger & Lisa	
Ward, Larry & Jennifer	
Leshner, Ruth C/O Strong & Detweiler Partnership	
Leshner, Ruth	
Arcona Strand Partners	
PP & L	C/O PP&L EU Svc's.
Zambrano Thoms J. & Ann L.	
Carey Gary	
Naewon Limited Partnership	
Hempt Brothers Incorporated	
Christian Life Assembly of God	
Camp Hill Correctional Institution	

Lower Allen Township MS4 Target Audience List

Lower Yellow Breeches Watershed

Street	City	State	Zip
3804 Lisburn road	Mechanicsburg	PA	17055
1190 Dillerville Road	Lancaster	PA	17601
1800 Main St.	Mechanicsburg	PA	17055
P.O. Box 334	New Cumberland	PA	17070
1541 Thompson Lane	Mechanicsburg	PA	17055
1847 Ward Lane	Mechanicsburg	PA	17055
1340 Rossmoyne Road	Mechanicsburg	PA	17055
1340 Rossmoyne Road	Mechanicsburg	PA	17055
1190 Dillerville Road	Lancaster	PA	17601
827 Hausman Road	Allentown	PA	18104-9392
1420 Indian Lane	Mechanicsburg	PA	17055
1909 Sheepford Road	Mechanicsburg	PA	17055
Lisburn Road	Camp Hill	PA	17011
205 Creek Road	Camp Hill	PA	17011
2645 Lisburn Road	Camp Hill	PA	17011
2500 Lisburn Road	Camp Hill	PA	17011

Parcel #
13-11-0270-042
13-10-0256-092
13-31-2134-027EX
13-31-2134-026
13-27-0258-070
13-10-0258-070
13-10-0256-031
13-10-0256-011
13-10-0256-185
13-10-0256-012PU
13-10-0256-014
13-11-0270-004
13-11-0272-010
13-09-0549-005 & 13-09-0549-001
13-10-0258-015
13-09-0547-007

ATTACHMENT #3
MS4 ANNUAL REVIEW MEETING MINUTES

MEMORANDUM

***LOWER ALLEN TOWNSHIP
COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD CAMP HILL, PA. 17011
(717)975-7575 FAX (717)731-4182
e-mail: rdavis@latwp.org***

TO: MS4 File

**FROM: Rebecca L. Davis
Stormwater Program Manager**

CC: Daniel J. Flint, P.E., NPSE, Township Engineer/Public Works Director

DATE: 1/4/2021

SUBJECT: MS-4 Annual Review Meeting Minutes

On January 4, 2021, Rebecca Davis reviewed and revised as necessary the Lower Allen Township MS-4 Program. The program was reviewed in the order of the six (6) Minimum Control Measures (MCMs) that make up the program. Daniel Flint, P.E., Township Engineer, reviewed this memorandum as well as part of the MS4 Program.

MCM#1 – Public Education and Outreach

The target audience list can be updated with new businesses in the Township, residents, dog owner's that register for the Lower Allen Township Dog Park, and with food establishments.

The Township continued quarterly MS-4 Workgroup meetings with neighboring municipalities. The MS-4 Workgroup has over 60 members from the public and private industry. The Township spoke at the Yellow Breeches Watershed virtual meeting in November of 2020, educating the attendees on the Township's Pollution Reduction Plan Projects. The Township spoke at the Pennsylvania Municipal Authorities Association Meeting on October 30, 2020, educating the attendees on the establishment of a stormwater authority and associated fee. The Township is planning to speak at 3 separate sessions held by the USEPA, the MS4orum, virtual events. The topic of discussion was establishing a stormwater authority and stormwater fee. The Township has been asked to speak at the PSATS virtual conference in April on the topic of Stormwater fees.

MCM#2 – Public Involvement and Participation

The revision to the target audience list that will be used in MCM #1 can also be utilized for this MCM. Group educational mailings are planned to be sent to any business in Lower Allen Township that handles or sells food to inform them of proper restaurant maintenance. Continued outreach will occur to satisfy the requirements of this MCM, specifically to schools, business associations, and summer recreation programs. The Township had an inlet marking field trip with the local girl scout troop this past summer. The Township has scheduled a stormwater sampling project as part of our Pollution Control Measures that involves volunteers from the Yellow Breeches Watershed Association as well as the Pennsylvania State Extension.

MCM #3 – Illicit Discharge Detection and Elimination

Priority outfalls are being inspected bi-annually. Additional outfall inspections are ongoing. The website has an IDD&E Reporting Mechanism. Currently my name is listed to report any Illicit Discharge complaints to be either telephone or email. The Pollution Control Measures were discussed as a part of this MCM. Cedar Run and the Yellow Breeches are declared as "impaired waterways" by the PADEP Integrated Water Quality Report. The Township mapped the storm sewer sheds that drain to these impaired waterways and has submitted "suspected" sources of impairment. We are moving forward with a water sampling project scheduled for this summer in the Yellow Breeches Creek and the Cedar Run.

MCM#4 - Construction Site Stormwater Runoff Control

Since the Township defers to the state program for this MCM, follow up actions were not required. Reports from the Cumberland County Conservation District are received by the Township and are included in the annual report. The township also keeps a record of Erosion and Sedimentation controls observed during building permit inspections and they are included in the annual report. The Township updated our Memorandum of Understanding with Cumberland County Conservation District in 2020. A copy was included in the annual report.

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

The Township currently sends out letters to all Best Management Practice (BMP) property

owners requiring an annual inspection of the BMPs as required by the Township Stormwater Management Ordinance. There has been a good return response rate especially since the Stormwater Fee was enacted and a credit program was established for BMP installation and inspection. Follow up letters will be sent to the BMP property owners that have not responded. The Township is tracking site visits make the specific BMP locations on a Stormwater Spreadsheet and includes this with the annual report. Any stormwater fee credits are conditioned upon completion of the credit recipients BMP Inspection.

MCM#6 – Pollution Prevention/Good Housekeeping

All new employees receive MS4 training as part of their orientation at Lower Allen Township. Public Works training occurs every year. Administrative staff has been trained on handling a spill and IDD&E complaints. The public works staff and administrative staff will be taking a virtual training and quiz this year due to COVID-19 restrictions.

General Discussion

Upcoming efforts were discussed for the year. The annual report will be an area of focus. In addition, the Pollution Reduction Plan Projects are ongoing. Two of the basin retrofits were constructed in the fall of 2020. The Moreland Basin is slated for spring 2021 construction. The Sheepford East and Beacon Hill Basin are scheduled for fall 2021 construction. The Pollution Control measures are another area that efforts will be directed to in addition to our Stormwater Management Ordinance Revision.

ATTACHMENT #4

WEBSITE & FACEBOOK SCREENSHOTS/NEWSLETTER ARTICLES

LOWER ALLEN TOWNSHIP, PA – A Township of the First Class

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MS4 Stormwater

Home » MS4 Stormwater



STORMWATER UPDATES

20 JUN 2018 /



PET WASTE AND STORMWATER

13 APR 2018 /



LEAVE IT ON YOUR LAWN

13 APR 2018 /



STORMWATER SENTRIES

13 APR 2018 /

Stormwater/MS4 Information

WHAT IS MS4?



HOW DOES THE PERMIT WORK?



► MS4 Information

► Public Participation & Education

► Illicit Discharges

► Best Management Practices (BMPs)

► Resources

► MS4 Stormwater Forms

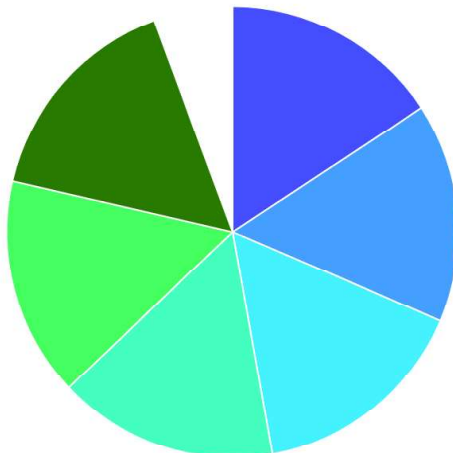
Sheepford Crossing West Bioretention Retrofit Project

Sheepford Crossing West Bioretention Retrofit Project

Lower Allen Township



6 Minimum Control Measures



Minimum Control Measures

Each MCM has several suggested Best Management Practices (BMPs) associated with it to guide Lower Allen Township in program development, tracking, and reporting.

MINIMUM CONTROL MEASURES

LOWER ALLEN TOWNSHIP, PA – A Township of the First Class

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Public Participation & Education

Home » Public Participation & Education

You can help in many ways! If you are interested in working with the Township to increase public awareness or get involved in one of our public participation programs (a few are outlined below), please call us at 717-975-7575 ext. 1010.



» [MS4 Information](#)

» [Public Participation & Education](#)

» [Illicit Discharges](#)

» [Best Management Practices \(BMP's\)](#)

» [Resources](#)

» [MS4 Stormwater Forms](#)

MARKING INLETS

MARKING INLETS



LEAF COMPOSTING

LEAF COMPOSTING



YARD WASTE DROP OFF

YARD WASTE DROP OFF



Homeowners Guide to Stormwater BMP Maintenance

Homeowners Guide

[READ MORE](#)

Stream Maintenance Booklet

Stream Maintenance Booklet

[READ MORE](#)

Stormwater Smart Video

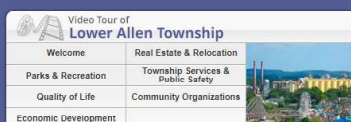
Stormwater Smart Video

[WATCH HERE](#)

PA DEP Manual

PA DEP Manual

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FIRE](#)[Illicit Discharges](#)[Home » Illicit Discharges](#)

What is an Illicit Discharge?

An illicit discharge is an unlawful act of disposing, dumping, spilling, emitting, or other discharge of any substance other than stormwater into the stormwater drainage system. The stormwater drainage system includes streets, ditches, catch basins, yard inlets, and streams.

Examples of Illicit Discharge include:

- Paint being poured into or near the storm drainage system
- Changing oil or antifreeze over or near a storm structure
- Washing vehicles where the runoff could drain into the storm drainage system
- Washing dumpster pads and allowing the runoff to drain into the storm drainage system
- Dumping grass clippings into a stormwater basin or inlet or into the street

Illicit discharges cause water pollution by sending pollutants directly into creeks, streams, ponds, and lakes. Be sure you know what illicit discharges are so you can help prevent water pollution and keep our streams clean!

Please help Lower Allen Township to prevent water pollution. Call the Township at 717-975-7575 ext. 1010 to report an Illicit discharge or any type of water pollution in our streams or stormwater drainage system. You can also complete the illicit discharge reporting form below and e-mail it to Rebecca Davis, Township MS4 Coordinator, at rdavis@latwp.org.

[MS4 Information](#)[Public Participation & Education](#)[Illicit Discharges](#)[Best Management Practices \(BMP's\)](#)[Resources](#)[MS4 Stormwater Forms](#)Date

?

Name Email Phone Number

?

What type of incident do ☐ Dumping down a storm drain
you wish to report? (Check
all that apply)

What type of incident do ☐ Suspicious Discharge from a pipe into a stream
you wish to report?

What type of incident do ☐ Unusual color of water in a stream
you wish to report?

What type of incident do ☐ Strange smells in stream
you wish to report?

What type of incident do ☐ Suspicious suds or other substance floating on water
you wish to report?

What type of incident do ☐ Death of aquatic creatures
you wish to report?

Address of Incident

?

Closest Cross Street

?

Body of Water Impacted

?

Date of Incident

?

Time of Incident

?

captcha field swy3j13

LOWER ALLEN TOWNSHIP, PA – A Township of the First Class

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Best Management Practices (BMPs)

Home » Best Management Practices (BMPs)



Click on image to expand

Best Management Practices include designed stormwater management systems as well as non-engineered facilities like keeping areas as open space for stormwater management.

The goal of BMPs is to reduce the impact of development and impervious cover on downstream properties, streams, and lakes by:

- Minimizing runoff
- Slowing down runoff
- Runoff Infiltration and filtering
- Evapotranspiration of runoff (Vegetation)

Some examples of BMPs include:

- Rain Gardens (Bioretention Areas)
- Infiltration Trenches
- Pervious Pavement
- Vegetated Swales

If you have a BMP on your property you are required to make sure that it is functioning properly. This includes yearly inspections and maintenance to the BMP. Typically, a maintenance agreement for the BMP is recorded and would be discovered during the title search for your property. The Township will send yearly inspection reports for completion and return to ensure that the BMP is being maintained as required. A guide for BMP maintenance is included below as well as a BMP Reporting form.

MS4 Information

Public Participation & Education

Illicit Discharges

Best Management Practices (BMP's)

Resources

MS4 Stormwater Forms

Stormwater Management on Construction Sites

Best Management Practices for Stormwater Management on Construction Sites

CLICK HERE

PADEP Homeowners BMP Guide

PA DEP Homeowners BMP Guide

READ MORE

BMP Reporting Form

BMP Reporting Form

REPORTING FORM

Residential Guide for Raingarden

Residential Guide for Constructing Your Own Raingarden

CLICK HERE



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2233 GETTYSBURG ROAD
CAMP HILL, PA 17011
Phone 717-975-7575
Fax 717-737-4182
Monday - Friday - 8:00 am - 4:00 pm

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MS4 Stormwater Forms

Home » MS4 Stormwater Forms

Annual Stormwater Best Management Practices (BMP) Inspection Forms.

Please select the correct form for your BMP type.

» MS4 Information

» Public Participation & Education

» Illicit Discharges

» Best Management Practices (BMP's)

» Resources

» MS4 Stormwater Forms

Infiltration Trench

Infiltration Trench Form

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

[CLICK HERE](#)

Permeable Pavement

Permeable Pavement

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

[CLICK HERE](#)

Rain Garden

Rain Garden

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

[CLICK HERE](#)

Riparian Buffer

Riparian Buffer

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

[CLICK HERE](#)

Stormwater Basin

Stormwater Basin

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

[CLICK HERE](#)

Water Quality Insert

Water Quality Insert

National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) Permit, Stormwater Management Facilities and Best Management Practices (BMP), Annual Operation and Maintenance Inspection Report

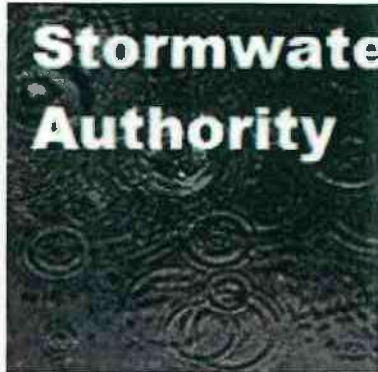
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Facebook posts June
SW 20-21 July



Lower Allen Township, PA

July 1, 2020 · 🌐



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Stormwater Authority 7-9-2020 Agenda

Stormwater Authority 7-9-2020 Agenda Posted on July 1, 2020 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



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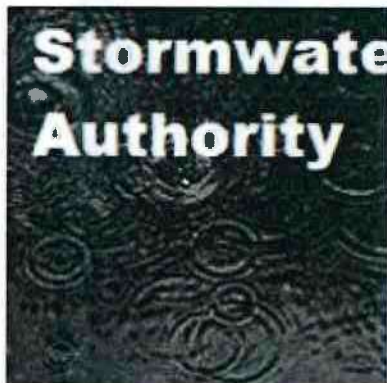


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Lower Allen Township, PA

July 10, 2020 · 🌐



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Stormwater Authority 6-4-2020 Minutes

Stormwater Authority 6-4-2020 Minutes Posted on July 10, 2020 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN TOWNSHIP



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Lower Allen Township, PA

July 16, 2020 · 🌐

Stormwater facility excavation and pipe placement along Gettysburg Rd.



👍 10

👍 Like

💬 Comment

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Lower Allen Township, PA

July 22, 2020 · 🌐

Stormwater pipes being installed at the Gettysburg Rd relocation project.



👍 11

1 Share

👍 Like

💬 Comment

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Lower Allen Township, PA

July 30, 2020 · 🌐

Gettysburg Rd Relocation Project

Part of the stormwater controls at the site of the Century Dr. extension/Gettysburg Rd intersection are structures that will capture stormwater on the west side of the new road and release it into the drainage swale on the east side of the road. Those structures have been completed.



👍 7

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Lower Allen Township, PA

August 28, 2020 · 🌐

**Stormwater
Authority**

LATWP.ORG

Stormwater Authority 9-3-2020 Agenda

Stormwater Authority 9-3-2020 Agenda Posted on August 28, 2020 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY

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💬 Comment

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Lower Allen Township, PA

August 28, 2020 · 🌐

The Township is undertaking several stormwater projects converting detention basins into bioretention areas. These areas allow for stormwater percolation into the ground rather than runoff into streams. First up is the stormwater basin in front of the Public Works building.



👍❤️ 20

2 Shares

👍 Like

💬 Comment

➦ Share



Lower Allen Township, PA

August 31, 2020 · 🌐

On Tuesday, Sept. 1st and Wednesday Sept. 2nd, our Public Works crew will be replacing drain pipe on Sheepford Road in the 1600 and 1700 block. Sheepford Rd will be closed between Thompson Lane and Valley Road beginning at 7:00 am. Detour signs will be placed prior to these intersections. The road is expected to be reopened by 3:00 pm.

👍❤️ 5

2 Comments · 4 Shares

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Lower Allen Township, PA

September 9, 2020 · 🌐

Public Works bioretention area update



👍 7

1 Share

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💬 Comment

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Lower Allen Township, PA

September 15, 2020 · 🌐

Some pics from the Sheepford Crossing West bioretention conversion. The pictures show the removal of the existing top layer of the soil, amending the soil with leaf compost, scarifying the basin bottom, and adding amended topsoil.



👍 13

11 Comments 2 Shares

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💬 Comment

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Lower Allen Township, PA

September 21, 2020 · 🌐

Lower Allen Township's 2020 MS4 Annual Report.



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MS4 Information

Lower Allen Township's 2018 General MS4 Permit is effective from March 1, 2018 to March 1, 2020.

👍 2

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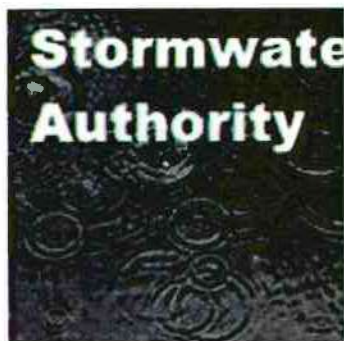
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Lower Allen Township, PA

September 28, 2020 · 🌐



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Stormwater Authority 10-1-2020 Agenda

Stormwater Authority 10-1-2020 Agenda Posted on
September 28, 2020 By Helen Grundon In
Stormwater Authority Agendas, Township News
LOWER ALLEN TOWNSHIP STORMWATER



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Lower Allen Township, PA

September 28, 2020 · 🌐

Coyote Decoys!

Coyote decoys have been placed in both the new Public Works Building and Sheepford West bioretention areas. It seems some hungry Canada Geese think they are salad bars. The decoys will remain in place until geese netting is installed.



19

4 Comments · 7 Shares



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Lower Allen Township, PA

October 2, 2020 · 🌐

Final plantings in the Public Works Facility and Sheepford West bioretention basins!



👍 12

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Lower Allen Township, PA

November 2, 2020 · 🌐



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Stormwater Authority 11-5-2020 Agenda

Stormwater Authority 11-5-2020 Agenda Posted on November 2, 2020 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER

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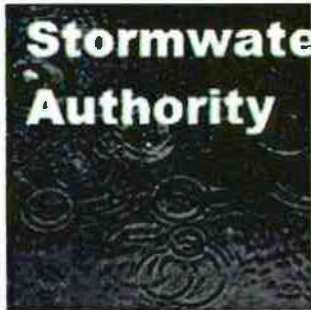
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Lower Allen Township, PA

November 6, 2020 · 🌐



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Stormwater Authority 10-1-2020 Minutes

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Lower Allen Township, PA

December 4, 2020 · 🌐



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Stormwater Authority 11-1-2020 Minutes

Stormwater Authority 11-1-2020 Minutes Posted on December 4, 2020 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN



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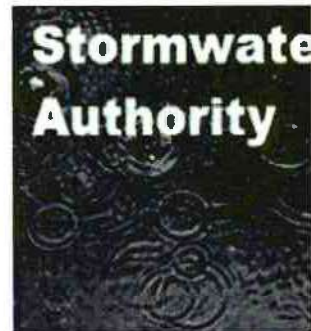


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Lower Allen Township, PA

January 8 · 🌐



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Stormwater Authority 12-3-2020 Minutes

Stormwater Authority 12-3-2020 Minutes Posted on January 8, 2021 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN TOWNSHIP



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Lower Allen Township, PA

February 2 · 🌐



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MORELAND DETENTION BASIN RETROFIT PROJECT

MORELAND DETENTION BASIN RETROFIT PROJECT Posted on February 2, 2021 By Helen Grundon In Township News Invitation to Bidders...



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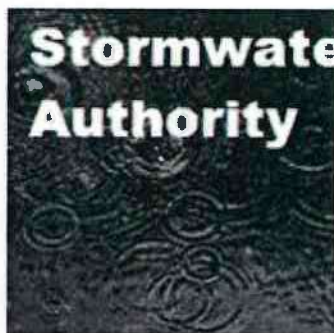


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Lower Allen Township, PA

March 26 · 🌐



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Stormwater Authority 4-1-2020 Agenda

Stormwater Authority 4-1-2020 Agenda Posted on March 26, 2021 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



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Lower Allen Township, PA

May 7 · 🌐



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Stormwater Authority 4-1-2021 Minutes

Stormwater Authority 4-1-2021 Minutes Posted on May 7, 2021 By Helen Grundon In Stormwater Authority Minutes MINUTES STORMWATER AUTHORITY LOWER ALLEN TOWNSHIP



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Lower Allen Township, PA

May 14 · 🌐

Moreland basin stormwater project

Upcoming Stormwater Project

As part of our Pollution Reduction Plan (PRP) mandated by the Pennsylvania Department of Environmental Protection (PADEP), Lower Allen Township will be retrofitting a stormwater detention basin into a bioretention facility this summer on Township owned property. The project location is as follows:

Moreland Basin - Oxford Drive – the basin is located at the rear of Oxford Drive in the Edgemoor Community.

The project will begin construction the week of **May 17, 2021**. Completion is expected by July of this year. The basin is required to be retrofitted due to a federal mandate from the Environmental Protection Agency (EPA) and PADEP to remove pollutants from the Township's stormwater runoff. Retrofitting the basins from detention basins into bioretention facilities will reduce the pollutants that enter our stormwater runoff that would eventually reach the Cedar Run, Yellow Bunches Creek, Susquehanna River, and eventually the Chesapeake Bay.

The retrofit project will involve several steps:

1. Excavate and remove existing soil in basin bottom.
2. Amend soil by combining it with compost to create a higher level of soil porosity.
3. Plant native plants with deep root systems in the basin bottom to filter out pollutants and infiltrate stormwater.
4. Construct a stone bed at the outlet structure of the basin to hold a shallow volume of water for a short period of time to retain runoff from small storms for treatment and infiltration.

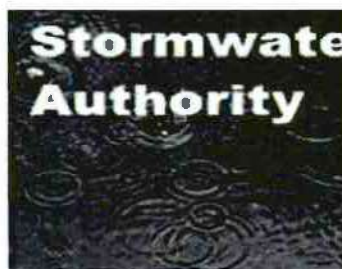
If you have any questions regarding any of the upcoming projects, please contact Rebecca Davis, Stormwater Program Manager, at rdavis@latwp.org, or 717-975-7975 ext. 3010.

Moreland Basin (Existing Conditions)



Lower Allen Township, PA

May 27 · 🌐



LATWP.ORG

Stormwater Authority 6-3-2021 Meeting

Stormwater Authority 6-3-2021 Meeting Posted on May 27, 2021 By Helen Grundon In Stormwater Authority Agendas, Township News The June 3rd, 2021 Stormwater Authority meeting has been

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💬 Comment

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Lower Allen Township, PA

May 27 · 🌐

Bioretention Basin Maintenance Update

The Township retrofitted two stormwater detention basins into bioretention facilities this past fall as part of our Pollution Reduction Plan required by the Pennsylvania Department of Environmental Protection. One of the basins is located at our public works facility, 1400 Saint Johns Road. The other basin is located at the entrance to the Sheepford Crossing subdivision at Lisburn and Sheepford Roads.

The Township is performing quarterly maintenance to the basins to remove invasive species and weeds, sediment buildup, replace plantings and correct erosion issues. The native plantings in the basin will take time to mature and develop. The first several years of routine quarterly maintenance are crucial to the bioretention facility's performance to remove pollutants from our stormwater runoff.





Lower Allen Township, PA

May 27 · 🌐

The newest bioretention project to manage stormwater runoff is the Moreland Basin. Here are some pics of the progress.



8

1 Comment



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Lower Allen Township, PA

June 14 · 🌐

New mulch and jute matting installed in the Moreland basin. 5,000 native plug plantings will be installed the week of 6/21/21



👍 15

1 Comment 1 Share

👍 Like

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Lower Allen Township, PA

June 14

Pennsylvania American Water awarded Lower Allen Township a \$5,000 Environmental Grant to test water quality samples.



22

1 Comment 2 Shares

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Lower Allen Township, PA

June 15 · 🌐

After the last cleanup event a lot of people said that they'd like to participate next time. Well, next time is July 18th. Registration forms are available at www.ybwatershed.org.

We need paddlers to be on the water, but also ground crew to meet the paddlers at various points to collect the trash that has been pulled out of the Creek.

Yellow Breeches Family Creek Cleanup

Sunday, July 18, 2021

Lower Allen Community Park – Fernlawn Pavilion

12:00 Noon – 6:00 p.m.

Includes:

- Bag lunch
- Guided paddle and cleanup from kayaks and canoes
- Gloves and trash bags
- Pizza after the cleanup
- And more!

\$10 donation encouraged to offset insurance costs. Participants must bring their own canoe or kayak, life jacket, paddles, and water bottles. Due to COVID-19, participants are asked to arrange their own shuttles from Creekwood Park in Allendale back to Lower Allen Park where we'll take a group photo and enjoy pizza after the cleanup. Boat shuttles will be offered.

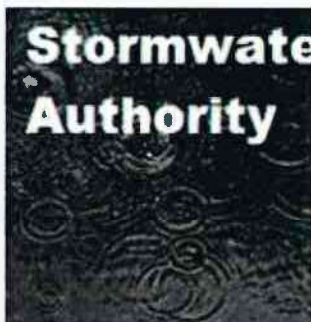
Registration forms available at:

www.ybwatershed.org



Lower Allen Township, PA

June 25 at 6:40 AM · 🌐



LATWP.ORG

Stormwater Authority 7-1-2021 Agenda

Stormwater Authority 7-1-2021 Agenda Posted on June 25, 2021 By Helen Grundon In Stormwater Authority Agendas, Township News LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



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Lower Allen Township, PA

June 25 at 2:45 PM · 🌐

Work is just about finished at the Moreland bioretention basin.



👍 9

1 Share

👍 Like

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MS4 UPDATES

Stormwater Pollution Prevention

Automotive Maintenance – Oil, grease anti-freeze and other toxic automotive liquids often make their way into the storm drain system and are not treated prior to reaching the Yellow Breeches Watershed. This contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices below to prevent pollution and protect public health.

Cleaning Auto Parts

Scrape parts with a wire brush rather than liquid cleaners. Do not wash parts or equipment in a sink, parking lot or driveway.

Storing Hazardous Waste

Keep your liquid waste separated. Many fluids can be recycled via hazardous waste disposal companies if they are not mixed. Store all materials under cover with spill containment or inside to prevent stormwater runoff.

Preventing Leaks and Spills

Place drip pans underneath vehicles to capture fluids. Use absorbent cleaning agents instead of water to clean work areas.

Cleaning Spills

Use dry methods for spill cleanup such as sweeping and absorbent materials. Sweep spill material into an appropriate receptacle and dispose of properly.

Proper Disposal of Hazardous Waste

Dispose of used motor oil and oil filters, anti-freeze, and other hazardous automotive fluids properly. Cumberland County has a hazardous waste disposal program. More information is available at: <https://www.ccpa.net/3499/2020-HHW-Disposal-Program>



VOLUNTEER SPOTLIGHT MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

The Commissioners of Lower Allen Township would like to offer their sincere appreciation to Girl Scout Cadette Troop 11523, led by Mrs. Dana Facius and Mrs. Christina Dryden, for volunteering their time to mark stormwater inlets in the Allendale Community! The troop marked over 2/3 of the stormwater inlets in the neighborhood on June 20, 2020. The goal of the volunteer MS4 volunteer program is to help our community understand that anything that enters the storm drains goes to our local streams and rivers untreated and to involve individuals in outreaching to residents of our community by participating in environmental educational activities throughout the Township. The troop earned a badge for efforts for World Thinking Day from the Girl Scout Organization.



Girl Scouts pictured from Left to Right: Madison Facius, Lily Dryden, Kiara Becker, Zarifa Gamble, Evie Dryden

MS4 UPDATES • SHOVELING YOUR DRIVEWAY



Municipal Separate Storm Sewer System (MS4) Update Conserving Water this Fall

WHAT YOU CAN DO TO MANAGE STORMWATER ON YOUR PROPERTY THIS SEASON:

- **Plant trees.** Fall is a perfect time for planting trees and shrubs. Be sure to plant species native to PA.
- **Prune your trees, shrubs, and perennials.** Fall is the best time to prune trees and other plants in your yard. Pruning allows them to jump-start their growth and utilize more stormwater.
- **Clear leaves and debris from gutters.** Clearing leaves and other debris from your gutters from leaves and other debris will avoid overflows of stormwater that could cause damage on both the interior and exterior of your home.
- **Keep storm drains near your property clear of trash and debris.** Since they flow directly into local waterways, it is important that only water enters storm drains. Leaves and debris can block stormwater from flowing into the storm drains and can cause localized flooding.



A smart way to shovel your drive

How to reduce the possibility of getting a huge pile of snow in your driveway opening when snowplows clear your street:



MS4 NEWS • AMBULANCE SUBSCRIPTIONS

MS4 Update: Snow and Stormwater Runoff

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



- * After shoveling, pile snow in locations where the snow will have the best opportunity to infiltrate into the ground instead of becoming stormwater runoff. Choose areas where you do not usually have ponding on your property, and relatively flat areas if possible.
- * Clear your downspouts to allow melting roof snow to flow and not collect at your foundation.
- * Do not pile snow on storm drains.
- * Use de-icing chemicals and salts sparingly.
- * Delay outdoor construction projects in winter if possible, to avoid muddy conditions on your property.
- * Watch for areas on your property that are eroding during snow melt and develop a plan to improve these areas in spring using plants to slow and stop erosion, like native plantings.

LEAF COMPOST NOT AVAILABLE IN 2021

Lower Allen Township is in the midst of a multi-year program of stormwater bioretention projects as part of our Pollution Reduction Plan (PRP). Upcoming projects include retention basins in Sheepford Crossing, the Village of Moreland, and The Heights of Beacon Hill.

Part of the bioretention construction process is to amend the topsoil with organic material. The Township is using leaf compost to amend the soil, and because of the volume needed for the upcoming projects there will not be any leaf compost available for home use in 2021.



Ambulance Subscription Renewals

The 2021 Ambulance Subscription Renewals were mailed in December. Ambulance Subscriptions are good for the calendar year of 2021. The Board of Commissioners set the Subscription rates for 2021 at \$75 for a Single Subscription and \$95 for a Household Subscription. If you did not receive a subscription form, or if you have any questions please contact Bev Putric at 975-7575, ext. 1205.

Why have a subscription? The cost of a trip in an ambulance is very high and insurance generally does not pay the full bill. By becoming a subscriber, if you call 911, are transported to a hospital and the transport is deemed medically necessary, Lower Allen EMS will accept the insurance company payment as payment in full for your first trip. Subscriptions do **not** cover routine transportation, transportation for stretcher or wheelchair, or transportation that is not medically necessary. You are responsible for additional mileage costs if you are transported past the closest appropriate facility.

MS4 UPDATES

2021 Spring Stormwater Project

As part of our Pollution Reduction Plan (PRP) mandated by the Pennsylvania Department of Environmental Protection (PADEP), Lower Allen Township will be retrofitting a stormwater detention basin into a Bioretention Facility this year on Township owned property. The project location is as follows:

Moreland Basin - Oxford Drive – the basin is located at the rear of Oxford Drive in the Moreland Community.

The project is currently out to bid with construction beginning late spring. Completion is expected by July of this year. The basin is required to be retrofitted due to a federal mandate from the Environmental Protection Agency (EPA) and PADEP to remove pollutants from the Township's stormwater runoff. Retrofitting the basins from detention basins into bioretention facilities will reduce the pollutants that enter our stormwater runoff that would eventually reach the Cedar Run, Yellow Breeches Creek, Susquehanna River, and eventually the Chesapeake Bay.

The retrofit project will involve several steps:

1. Excavate and remove existing soil in basin bottom.
2. Amend topsoil by combining it with compost to create a higher level of soil porosity.
3. Plant native plants with deep root systems in the basin bottom to filter out pollutants and infiltrate stormwater.
4. Construct a stone berm at the outlet structure of the basin to hold a shallow volume of water for a short period of time to retain runoff from small storms for treatment and infiltration.

There will be additional stormwater basin retrofit projects in Lower Allen Township in the coming years as part of our PRP. Look for stormwater project updates in future articles of the *Township Newsletter*. If you have any questions regarding any of the upcoming projects please contact Rebecca Davis, Stormwater Program Manager, at rdavis@latwp.org, or 717-975-7575 ext. 1010.

Moreland Basin (Existing Conditions)



MS4 UPDATES • STORMWATER HERO

Spring Rains and Stormwater Drains

Lower Allen Township's storm drains funnel rainwater to the Cedar Run and Yellow Breeches Creek. With spring showers on their way, it is important to remember that pollutants and debris washed into these drains when it rains are not carried to a treatment plant, but enter the Cedar Run and Yellow Breeches Creek directly. This is the same water that we rely on for drinking and recreation. Storm drains clogged by debris also can lead to storm water flooding that creates safety hazards and costly property damage.

Storm Drain

Remember these tips to help protect public health, property, and the environment:

- ✦ Sweep grass clippings, leaves and other debris off the street and away from storm drains.
- ✦ Properly dispose of all waste in trash receptacles or recycling bins.
- ✦ Use fertilizers and pesticides sparingly on your yard and landscaping.
- ✦ Never dump, pour, or wash oil, chemicals, paint, yard debris, trash, or other substances down a storm drain.
- ✦ When it snows, try to shovel ice and snow away from storm drains to maintain a clear opening.



Looking for a local hero?

Well, they come in all forms... and ages! Lilly Dolan is a senior at Cedar Cliff high School, and she is on a mission. "The earth is our home, and it needs to be cared for," Truer words have never been spoken, and at age 18, Lilly is well on her way to a life full of difference-making. As a member and a student leader of the marching band, Lilly took a critical look at a tradition of using duct tape to mark the parking lot where they practiced for years. The tape was used to help with positioning during rehearsals. The problem was that after practice, the tape remained. That is, until it began to disintegrate and wear off. As duct tape breaks down, several thin layers of plastic peel off. Their practice lot, like many other lots in our area, drain directly to the Yellow Breeches, then to the Susquehanna River, and then as we all know...the Chesapeake Bay. As Lilly began to evaluate the situation, she realized that "there was duct tape all over the place. In the grass, in the cracks of the sidewalks and concrete, in the drain, everywhere." Just how to remove the remnants of the tape became the issue. So, like any scientist, Lilly experimented. "I had spent some of my free time looking into ways to remove the tape safely and effectively and I was anxious to start the removal process." Once she had figured out the best method, getting it done was the next hurdle. "If I could have scraped all of the tape off of the lot I would have, but the job was simply too big." Lilly asked for volunteers from the band, gathered scrapers, wire brushes and shop vacs and went to work. Several hours later, Lilly and her crew were able to look back with satisfaction at the job they had accomplished.

So, what are the take-aways? "If there is anything I've learned from my years in high school, it is to be relentless." Because of Lilly's persistence, the community, our waterways, and the world are a little better today.

Article written by Justin Weaver CCHS Biology/Environmental Biology Teacher

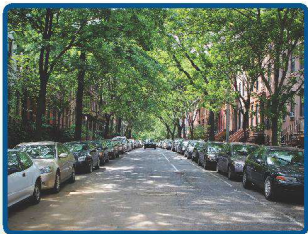
ATTACHMENT #5
FRONT COUNTER HANDOUTS

This Soak Up the Rain effort is brought to you by:



Lower Allen Township
www.latwp.org
rdavis@latwp.org
717-975-7575 ext. 1010
Rebecca L. Davis
MS4 Coordinator

Soak Up the Rain with Green Infrastructure



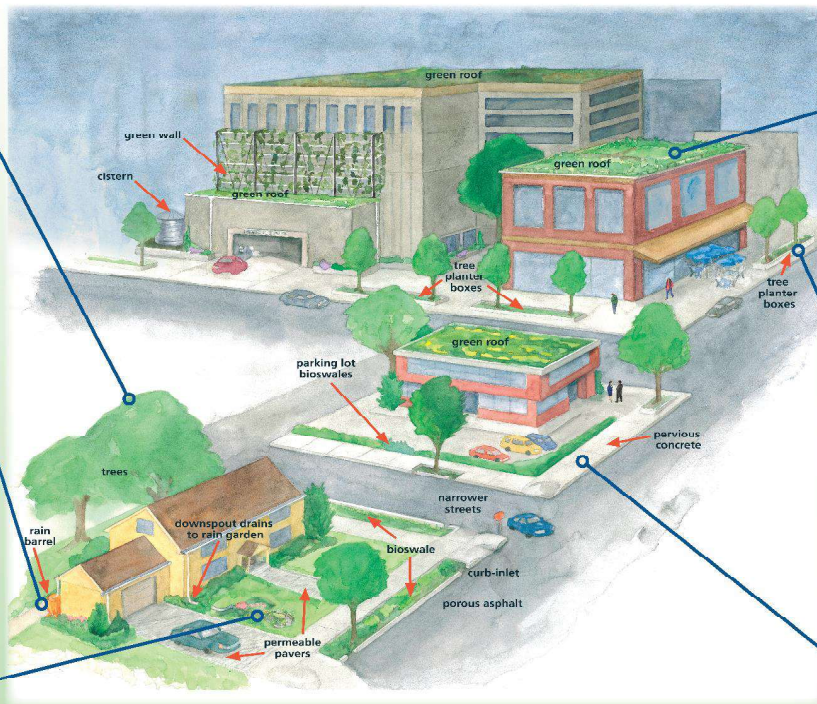
Tree Canopy



Rain Barrel



Rain Garden



Green Roof



Tree Planter Box



Pervious Concrete

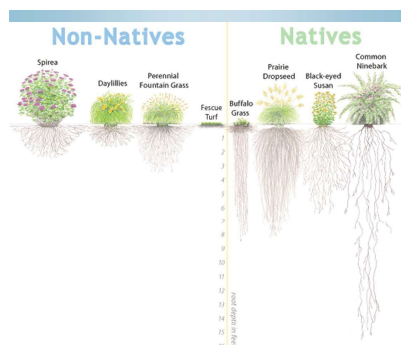
Learn more. Take Action.

Poster created by U.S. EPA Office of Wetlands, Oceans and Watersheds.
EPA does not oversee independent Soak Up the Rain programs.

What is a Rain Garden?

A rain garden is an easy and effective tool that you can use to help reduce stormwater runoff on your property. The gardens are placed on property to intercept stormwater runoff until it can be absorbed into the ground.

- A rain garden is designed to serve as a "bowl" to collect stormwater from your property.
- The water is able to slowly infiltrate into the underlying soil.



The importance of Non-Native vs. Native Plants:

1. Native plants are the best option for rain gardens because they need little maintenance once established.
2. Native Plants develop deeper root systems and can absorb more water than non-native plants.
2. Native plants attract birds, butterflies, and many other species.

For Additional Information Contact:

Lower Allen Township

2233 Gettysburg Road
Camp Hill, PA 17011
Phone: 717-975-7575 Ext. 1010
Rebecca Davis—MS4 Coordinator
rdavis@latwp.org
www.latwp.org

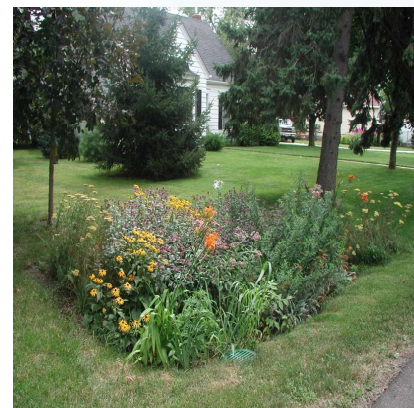
Information provided by the Alliance for the Chesapeake Bay - www.stormwater.allianceforthebay.org



Lower Allen Township

A Township of the First Class

A Residential Guide for
Constructing Your Own
Raingarden



Anatomy of a Rain Garden

A rain garden can be summarized in three main components: **Plants, Soils, and Cover.**

Plants: Select native plants for the edge of the rain garden. Consider sun, partial sun, shade. The plants should be aesthetically pleasing.



Soils: Loose soils that offer filtration and allow easy root growth. Amend soils if necessary - 50-60% Sand, 20-30% topsoil, 20-30% compost.



Cover: (gravel or mulch) - offers soil erosion control. Large stones can be used for edge reinforcement during storms.



Rain Gardens are made up of a bowl like depression in the ground. The downhill side has a raised berm of soil to allow water to sit in the garden and infiltrate. The shape is typically similar to a kidney bean to allow a wide sheet flow of runoff to enter the garden.

Build it Yourself

Installing a rain garden on your property is something that most homeowners can do all by themselves. The steps below outline the process.

1. **Choose Your Location:** The rain garden must be in a place that can collect runoff from as much impervious area as possible. It should be located at least 5'-15' away from your home and where water naturally drains but does not pond.
2. **Call PA One Call (811)** prior to digging to make sure the site is clear of underground utilities.
3. **Conduct a soil infiltration test*:** Without proper infiltration your rain garden may turn into a pond. This test will determine the proper location for your rain garden.
4. **Sizing the Garden*:** The surface area should be based on the contributing drainage area to the rain garden.



Build It Yourself (cont.)

5. **Excavate the rain garden:** Your rain garden depth will be between 18"-36", with 6" ponding area.
6. **Fill the rain garden with soil media mix.** Limited clay content is very important. The mix should consist of 50% sand, 25% topsoil, and 25% compost.
7. **Plant and Mulch:** Choose native plants that will need little maintenance when established.
8. **Maintenance:** Rain gardens will require weeding, watering when there are dry conditions, and raking mulch.

*Additional information regarding conducting infiltration tests and rain garden sizing can be found on the Alliance for the Chesapeake Bay website: www.stormwater.allianceforthebay.org



What is MS4?

MS4 is known as Municipal Separate Storm Sewer System.
An MS4 is a conveyance or system of conveyances that is:

- Owned by a state, city, town, village, or other public entity that discharges to waters of the commonwealth.
- Designed or used to collect or convey stormwater (roads with drainage systems, storm drains, curbs, gutters, pipes, ditches).



Help Lower Allen Township stop stormwater pollution! Report potential problems to the Township via the website or the contact below.



Lower Allen Township

2233 Gettysburg Road
Camp Hill, PA 17011
Phone: 717-975-7575 Ext. 1010
Rebecca Davis—MS4 Coordinator
rdavis@latwp.org
www.latwp.org

Information provided by the Environmental Protection Agency (USEPA) www.epa.gov & PA Department of Environmental Protection (PADEP) www.dep.pa.gov



Lower Allen Township

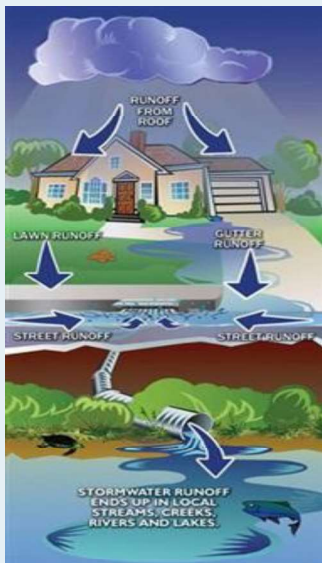
A Township of the First Class

A Residential Guide for Preventing Stormwater Pollution



Residential Causes of Stormwater Pollution

As stormwater runs over our homes, lawns, driveways and sidewalks it picks up debris and pollutants. The polluted stormwater runoff is conveyed to the MS4 and ultimately to our streams without treatment. The stormwater can carry pesticides, chemicals, sediment, trash, fertilizers, and other pollutants that are harmful to our streams



How You Can Help?

- Be mindful of the area where you wash your vehicles. Take care to ensure that the discharges are not emptying directly into a stormwater inlet.
- Check your vehicles often for leaks and repair them promptly. If you notice a fluid leak use a drip pan to contain the leak until you can get the problem fixed.
- Recycle used oil and fluid at vehicle service repair stations. Check with the County Recycling site regarding acceptable items for recycling - <https://www.ccpa.net/124/Recycling-Waste>
- Participate in the Township's Yard Waste Drop Off and Leaf Composting Programs. Information is available on our website www.latwp.org.
- Do not overwater your lawn and use pesticides and fertilizers according to their recommended amounts. Do not overspray or spread these products into the street.
- Pick up your pet waste and dispose of it properly into your trash receptacles.
- Regularly inspect your septic system and pump your tank as necessary.



Best Management Practices (BMPs) for your home

Rain Gardens—

Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground.



Rain Barrels—

Homeowners can collect rain water from rooftops and downspouts in containers. The water collected can be used later on lawns, plants, and garden areas.



Downspout

Planters— a decorative garden planter filled with gravel, soil, and vegetation that

utilizes rainfall from the roof as irrigation. They are connected to the roof downspout to let water flow into the planter and slow down the water velocity.



Lower Allen Township is asking you to DO YOUR “DOODY” for Clean Water

You hate stepping in it and fish hate swimming in it too! Dogs produce a lot of waste which, if not disposed of properly, can end up in our waterways. Do your part to keep our water and public areas clean and healthy! Bag your pet’s waste and throw it in a proper trash receptacle.

DO



DON'T



Did you know that the average dog can produce nearly a pound of waste each day?

- Pet waste let on lawns and in public spaces is very harmful to the environment.
- Pet waste contains twice as much bacteria as human waste!
- If left on your lawn, it can kill grass and other plants.
- Adults and children who come into contact with it can get sick.
- When pet waste washes into storm drains and waterways, it can make the water unhealthy for people and wildlife.
- Pet waste in waterways can even cause algae to grow, making the water turn an unpleasant green color. Algae can deplete oxygen from water.

To learn more about stormwater pollution visit www.latwp.org and click on the stormwater icon. Questions about stormwater pollution can be directed to Rebecca Davis, MS4 Coordinator, rdavis@latwp.org or 717-975-7575 ext. 1010.

ATTACHMENT #6
CAPCOG ADVERTISEMENT



Order Acknowledgement

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ELECTION 2020 CUMBERLAND COUNTY

Lara Trump: 'Polls are wrong'

President's daughter-in-law urges supporters to ignore the numbers

Ivey DeJesus idejesus@pennlive.com

President Donald Trump's daughter-in-law, Lara Trump, on Wednesday was in Pennsylvania to deliver a message designed to whittle down a growing deficit in the polls for the president.

Trump, who for weeks has been on the campaign trail as a surrogate for her father-in-law, excoriated polls, the media, Democrats and especially Democratic frontrunner Joe Biden.

Trump urged the audience of about 100 gathered under a wedding-style canopy at the bucolic Cumberland County special events venue the Allenberry Resort not to believe polls.

"They are obsessed with the polls," she said of Democrats. "Let me let you in on a secret. The polls are wrong." Trump, wife of Eric Trump, took jabs at Biden, characterizing him as feeble, and at one point referring to him as a "nice old man."

"This is the guy they chose? The guy who doesn't know where he is half the time?" she said to a round of laughter from the crowd, which was packed under the tent and not socially distanced. Masks were required.

"I know why they chose Joe Biden, because they can control Joe Biden," Trump said. "He looks like a nice old man but he is a Trojan horse for the socialists who run the Democratic Party."

Trump notably avoided one of the main issues that have buffeted the president's job approval rate and his poll numbers, his handling of the coronavirus pandemic.

Her one passing reference to the coronavirus, which is on track to have claimed the lives of nearly a quarter of a million Americans, was to ask the crowd how it had liked being "under government control these past six months."

She indirectly chided the Wolf administration for leaving liquor stores open early on in the pandemic, but shuttering churches.

Trump's appearance in Cumberland County came just hours after the president staged a rally in Johnstown on Tuesday night, as he continues to ramp up his campaigning travel this week after being sidelined for a few days with the coronavirus.

Democratic nominee Joe Biden was in South Florida.

Trump is trailing Biden by significant percentage points, particularly in battleground Pennsylvania, which is widely considered the pivotal state in the election with its 20 electoral votes.

Biden leads Trump by 12 percentage points nationally, 54% to 42%, according to an average of national polls since Oct. 1.

Biden's margin is smaller in Pennsylvania and other key states, including Wisconsin, Michigan, Arizona and Florida.

Biden leads Trump 52% to 44% in one Pennsylvania poll; a Quinnipiac Poll has Biden up by 13 points.



Lara Trump, daughter-in-law of President Donald Trump, speaks to supporters at the Allenberry Resort in Boiling Springs on Wednesday. Joe Hermitz, PennLive

Lara Trump said polls were designed to suppress people from voting.

"Do not for a second believe that," she said. She urged members of the crowd to help the president win by a landslide.

"I don't want any 3 a.m. coming in from Pennsylvania," she said. "We want to wrap this thing up in Pennsylvania with a solid win for Donald Trump at 10 p.m. on election night because Joe Biden goes to bed early. I want him to know he lost before he goes to sleep that night."

The president's daughter-in-law made an appeal to women, the president's most abysmal support bloc.

"I'm confused. You all have to help me. I thought women didn't support Donald Trump. Another media lie," Trump said.

Biden leads among women voters by an average of 18.6 percentage points in the 46 national polls tracked by the Center for American Women and Politics at Rutgers University. The gap is particularly troublesome for the president in key states like Pennsylvania and Florida where he trails among female voters 15 and 18 points respectively.

HARRISBURG

Women's March event planned for city

Several groups focused on feminist and progressive causes have coordinated to organize over 300 marches across the country on Saturday, including a march in Harrisburg.

The Harrisburg Women's March will take place from noon-2 p.m., starting at 501 N. Third St., and organized specifically in protest of the Trump administration. Attendees are asked to wear masks and maintain appropriate social distance.

Similar events are planned for Lancaster, Philadelphia and several other Pennsylvania cities. The demonstrations are in support of issues including ending violence toward women, support for reproductive rights, civil rights, LGBTQ+ rights, and rights for workers, the disabled and immigrants.

Many of the marches have been organized specifically to honor the life of Supreme Court Justice Ruth Bader Ginsburg, and to call for a delay of naming a new justice to replace Ginsburg until after the 2020 election. *Sean Adams, sadams@pennlive.com*

LOWER PAXTON TOWNSHIP

School bus carrying 15 students hit head-on

A Tuesday morning crash involving a school bus in Lower Paxton Township, resulted in no serious injuries according to police, although several roads were closed.

The crash, which was reported around 7:30 a.m., closed off Grayson, Milroy and Nyes roads between Willoughby and Union Deposit roads in Lower Paxton Township, according to S11PA.

According to Lower Paxton Township Police Cpl. Zach Fehrenbach, who was on the scene, an SUV in the southbound lane of Nyes Road crossed into the northbound lane and hit a school bus carrying 15 students and a driver.

The students were all from Dauphin County Technical School. Two students had swollen lips and were treated on the scene.

The SUV driver was transported for evaluation.

Another bus came and took the students to the school.

No charges have been filed. *Jenna Wise, jwise@pennlive.com*

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Help Prevent Stormwater Pollution

Stormwater pollution threatens rivers, streams, and wetlands. Stormwater picks up debris, chemicals, dirt, manure, and other pollutants as it flows over surfaces. We rely on our rivers and streams for drinking, recreation, and to support wildlife.

How you can help prevent stormwater pollution:

- Remember, only rain goes down the drain. Do not dump anything down storm drains and keep them clear of debris.
- Wash your car over your lawn or gravel.
- Minimize your use of lawn and garden chemicals.
- Minimize the use of salt-melt.
- Install a rain barrel or cistern to capture roof runoff.

For more ideas, visit DEP or your municipality's website.

In compliance with MS4 permits, this ad is sponsored & paid for by these members of the Capital Region Council of Governments (CapCOG)

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ATTACHMENT #7
MS4 BUILDING PERMIT HANDOUTS

LOWER ALLEN TOWNSHIP

Best Management Practices for Stormwater Management on Construction Sites

Plan in Advance to Prevent Pollution!

Remove existing vegetation only as needed. This will enhance site stabilization.

Schedule excavation, grading, and paving operations for dry weather periods.

Train and educate employees and subcontractors about stormwater management requirements and pollution prevention.

Have extra erosion controls on site in case of a control failure.

Designate a specific area away from storm drains and waterways for material storage and equipment maintenance.

Protect storm drains and streams near the site. Use inlet protection and regularly check areas after storms.

Review regulations to make sure you have obtained the required permits necessary for construction activities.

REMEMBER:

Allowing stormwater with sediment pollutants to leave your construction site and enter a storm drain or waterway is against federal and state laws!

The most common source of pollution associated with construction activities is **SEDIMENTATION** caused by erosion.

Failure to maintain adequate **Erosion and Sediment Controls (E&SC)** at construction sites often results in sediment discharge into the storm drain system and ultimately waterways.

Once this discharge reaches waterways, it creates problems such as turbidity (cloudiness of the water) and chemical changes to the water. These changes effect drinking water quality and can even kill fish and other aquatic life.

The only thing that should leave your project's site and enter a storm drain is clean, uncontaminated **stormwater**.

The Yellow Breeches Creek and Cedar Run are only a Storm Drain away!

Please remember to:

- Clean up spills immediately
- Sweep frequently and limit access to/from the site.
- Stabilize construction entrances and exits and perform maintenance when necessary.
- Do not stockpile materials near a storm drain, wetland, or stream.
- Maintain silt fence and silt socks to make sure no materials are getting beyond them; replace/repair as necessary.
- Remove trash and litter from the site.
- Check trash containers for leaks and keep them covered.

If you have questions prior to the start of construction please contact the Township to schedule a site meeting. We would be happy to review these regulations with you prior to start of construction activities.

For a more comprehensive list of Best Management Practices and stormwater guidance for the construction industry, go to EPA's website at www.epa.gov and search "construction stormwater."

LOWER ALLEN TOWNSHIP

Best Management Practices for Fresh Concrete and Mortar Application on Construction Sites

What Can YOU do? Best Management Practices

At the yard and construction site, always store dry and wet materials under cover, protect them from rainfall and runoff, and away from storm drains and waterways.

Secure bags of cement after they are open. Be sure to keep wind blown cement powder away from gutters, storm drains, rainfall and runoff.

Wash out concrete equipment/mixers/trucks only in designated wash out areas in your yard. The wash out areas should be lined and identified.

Dispose of settled, hardened concrete in the proper waste receptacle. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

DURING CONSTRUCTION

1. Don't mix up more fresh concrete or mortar than you will use in a two-hour period.
2. Set up and operate small mixers on tarps or heavy plastic drop cloths. Clean tools in a contained area.
3. Protect application of fresh concrete and mortar from rainfall and runoff until the material has dried.
4. Locate concrete washout facilities near the area where concrete is being poured. The facilities should not be placed within **50** feet of storm drains, open ditches, or waterbodies.
5. On large construction sites with extensive work, washouts should be placed at multiple locations for use by ready mixed truck drivers. The washouts should be easily identified.
6. Inspect concrete washout facilities daily and after heavy rains to check for leaks, identify if the plastic liner has been damaged by construction activities, and determine whether the washout is filled over 75 percent of its capacity. Replace and repair as required.
7. When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Dispose of small amounts of excess **DRY** concrete, grout, and mortar in the trash.
8. When cleaning up after driveway or sidewalk installation, wash fines onto stabilized areas, not down the driveway and into the street and possibly the storm drains. If necessary divert runoff with temporary berms.

As an Owner, Operator, or supervisor of a construction site, you may be held financially responsible for any environmental damage caused by your subcontractor or employees. Concrete washout requirements should be included with your contracts with concrete delivery companies.

For more information on concrete washout requirements go to EPAs website link at:
<https://www3.epa.gov/npdes/pubs/concretewashout.pdf>

ATTACHMENT #8
MS4 WORKGROUP

South Central PA MS4 Workgroup



- *Promotes Collaboration between municipalities, counties, and the private sector.*
- *Quarterly Meetings with guest speakers and MS4 discussion topics*
- *Information Sharing platform covering MS4 Minimum Control Measures (MCMs) and related topics*
- *Discover opportunities for outreach, training, and education*

**FOR MORE
INFORMATION OR TO
BE ADDED TO THE
EMAIL DISTRIBUTION
LIST PLEASE CONTACT:**

Rebecca Davis - MS4 Coordinator
Lower Allen Township
rdavis@latwp.org

Kelly Kurtas - MS4 Coordinator
South Middleton Township
kkurtas@smiddleton.com



The South Central PA MS4 Workgroup is an open workgroup for MS4 municipalities, non-MS4 municipalities looking to learn more about MS4, private MS4 consultants, County conservation district E&S Programs and anyone looking to meet and discuss MS4. We believe that we can learn more by working together.

The group meets quarterly and has a speaker/discussion topic planned for each meeting. Join us at an upcoming meeting to learn more about MS4 and discuss innovative ways in which we can help each other to meet the MS4 permit requirements.



2020 MS4 Workgroup Meetings		
Date	Location	Speaker
1/28/2020	Lower Allen Township	Holly Smith & Andy Yench - Penn State Extension
4/28/2020	South Middleton Township	Beth Ginter - Chesapeake Bay Landscape Certification Program
7/28/2020	Sunset Golf Course Event Room/Londonderry Twp.	Aaron Brouse - ESRI
10/27/2020	Hamden Township	County Conservation District Representatives

MEMORANDUM

TO: Elizabeth Grant, Cumberland County Planning Department
Erin Letavic, HRG Inc.

FROM: South Central MS4 Workgroup

DATE: 8/18/2020

SUBJECT: Review of draft Cumberland County WIP documents

The South Central MS4 Workgroup met on August 13, 2020 via Zoom to discuss the draft WIP County Wide Action Plan documents. Below are comments and questions from our meeting for your review.

Draft Countywide Action Plan

1. **Stormwater fees** – how do you envision stormwater fees will help the WIP? There was discussion of stormwater fees being dedicated to PRP projects in the municipalities that established the fees. The workgroup was unsure of how the fees would help regionally, especially since the fees are being collected by individual municipalities and the fees are calculated based upon a particular level of service to those municipalities.
2. **Best Management Practices** – How did the BMPs that you are accounting for get into the WIP database? Where was the data pulled from and are you certain you have all of the BMPs from the county included in your calculations? Who handles tracking of the BMPs at PADEP? Will smaller BMPs under 1 acre that are not tracked by an NPDES permit be counted in the WIP calculations?
3. **CAST** – is this the only option for calculating pollutant loads and reductions when preparing the Cumberland County action plan? Are you also utilizing Field Doc to map the BMPs? There are concerns with the accuracy of the data produced when utilizing these tools. Are there other options?
4. **WIP Projects** – Have you come up with a list of projects for the WIP? Can you provide a list of projects by location and municipality?

5. **Funding** – How will the projects be funded?
6. **PRP Projects** – Can we see the projects that were put into the WIP calculations to ensure that all BMPs were accounted for? What if our PRP changes and the assumed projects are not completed or change? Will this be accounted for?
7. **Agriculture BMPs and Data**- how are agriculture BMPs integrated into the WIP calculations? Are you counting BMPs from NRCS only?

MS4 WORKGROUP
BI-MONTHLY MEETING
TUESDAY JANUARY 28, 2020
LOWER ALLEN TOWNSHIP

AGENDA

- | | |
|-------|--|
| 9:00 | Welcome & Introductions |
| 9:15 | Presentation – Andy Yench & Holly Smith - Penn State Extension |
| 10:45 | Cumberland County WIP Update – Elizabeth Grant |
| 11:00 | PCMs |
| 11:30 | Wrap – Up |

MS4 WORKGROUP
QUARTERLY MEETING
TUESDAY APRIL 27, 2021
LOWER ALLEN TOWNSHIP ZOOM SESSION
1:00 PM- 3:00 PM

AGENDA

- 1:00 Welcome & Introductions
- 1:10 Presentation – Chesapeake Bay Landscape Professional Certification Program (CBLP)



Beth Ginter, MPSLD, CBLP, Executive Director
Chesapeake Conservation Landscaping Council (CCLC)

- 2:10 Q&A – CBLP Presentation
- 2:30 Collaboration Efforts/Agreement
- 3:00 Wrap – Up

****Next Meeting 7/27/2021 @ 9AM**

ATTACHMENT #9
RESTAURANT FLYER



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

April 22, 2021

**RE: Municipal Separate Storm Sewer System (MS4) Program
Lower Allen Township
Public Education and Outreach**

Dear Property Owner,

You are receiving the enclosed publication on behalf of Lower Allen Township's MS4 public education and outreach program. This program is mandated by the Township's MS4 Permit that is held with the Pennsylvania Department of Environmental Protection (PADEP). Lower Allen Township is committed to educating our businesses and residents on the impact their day-to-day activities have on stormwater quality in the Yellow Breeches Watershed and ultimately the Chesapeake Bay.

The goal of our public education and outreach program is to encourage volunteerism, engagement, and knowledge around environmental issues, specifically stormwater runoff and its various effects on the environment in our community. The Township is taking this opportunity to distribute the attached publication to inform you about stormwater runoff, nonpoint source pollution, and how you can help Lower Allen Township to reduce pollutants entering our stormwater infrastructure system and/or directly entering the Cedar Run and Yellow Breeches Creek.

A well-versed and informed community is vital to the success of all stormwater management related policies, projects, and programs. Please take the time to review the enclosed publication. In addition, please visit the Township's website, www.latwp.org, for more information about Stormwater and for volunteer opportunities within our MS4 program. If you have additional questions regarding Lower Allen Township's Stormwater Management Program, please contact Rebecca Davis, Stormwater Program Manager, at 717-975-7575 ext. 1010, or rdavis@latpwp.org.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager

MS4 OUTREACH PROJECT

Date: May 12, 2021

Description: Mailer to 113 food and restaurant establishments in Lower Allen Township

Attachments

- Flyer: *Food & Restaurant Stormwater Pollution Prevention in Lower Allen Township*
- Mailing List

Food & Restaurant Stormwater Pollution Prevention in Lower Allen Township



Food waste, grease, cleaning fluids, mop water and trash from restaurant operations can make their way into Lower Allen Township's creeks and streams. This can pollute drinking waters and contaminate streams. Follow these best management practices (BMPs) to reduce stormwater pollution and keep Lower Allen Township's waterways clean and healthy!



For additional information on Stormwater Pollution Prevention in **Lower Allen Township** please contact Rebecca Davis, Stormwater Program Manager at 717-975-7575 x 1010 or via Email: rdavis@latwp.org

Oil & Grease

Do not pour oil or grease into sinks, floor drains, or onto a parking lot or street. Keep grease bins covered and contained. Keep your grease interceptor maintained to prevent sewer overflows or backups and keep records of grease waste hauling.



Cleaning & Maintenance

Clean equipment, floor mats, filters and garbage cans in a mop sink, wash rack, or floor drain connected to the sewer through a grease trap. Do not wash them or pour wash water in a parking lot, alley, or street.



Dumpster Areas

Keep dumpster lids closed and the areas around them clean and free of debris. Do not fill a dumpster with liquids or hose them out. Call your trash hauler to replace any dumpsters that are damaged or leak.



Managing Spills

Clean food spills in loading and trash areas by using absorbent materials and then sweeping and mopping. Have spill cleanup and containment kits available.



Name	Address	City, State	Zip
5 BROTHERS PIZZA	3401 HARTZDALE DR STE 121	Camp Hill, PA	17011
ALDI #76	3437 SIMPSON FERRY RD	Camp Hill, PA	17011
AMC CAMP HILL 12	3431 SIMPSON FERRY RD	Camp Hill, PA	17011
AMORE PIZZA	1430 Market House LN	Mechanicsburg, PA	17055
ASBURY - BETHANY VILLAGE - EAST	325 Wesley DR	Mechanicsburg, PA	17055
AUNTIE ANNE'S PA #200	3475 CAPITAL MALL DR	Camp Hill, PA	17011
BASIL LEAF THAI CUISINE	5202 SIMPSON FERRY RD STE 112	Mechanicsburg, PA	17050
BEERHANI GROCERY STORE	4 W Main ST	Camp Hill, PA	17011
BIG RAYS BURGERS AND DOGS	3619 SIMPSON FERRY RD	Camp Hill, PA	17011
BJ'S WHOLESALE CLUB #25	3805 HARTZDALE DR	Camp Hill, PA	17011
BLAZE PIZZA	3595 CAPITAL CITY MALL DR	Camp Hill, PA	17011
BONEFISH GRILL	3505 GETTYSBURG RD	Camp Hill, PA	17011
BREAKFAST CLUB DINER THE	1104 CARLISLE RD	Camp Hill, PA	17011
BREWHOUSE GRILLE	2050 STATE RD	Camp Hill, PA	17011
BRUSTER'S REAL ICE CREAM	3519 HARTZDALE DR	Camp Hill, PA	17011
BURGER KING #554	3555 OLD GETTYSBURG RD	Camp Hill, PA	17011
CAFE MAGNOLIA	4700 GETTYSBURG RD	Mechanicsburg, PA	17055
CAPITAL CITY CONVENIENCE	3977 Capital City Mall DR	Camp Hill, PA	17011
CEDAR CLIFF PIZZA	1055 CARLISLE RD	Camp Hill, PA	17011
CH MART	2205 GETTYSBURG RD	Camp Hill, PA	17011
CHARLEY'S PHILLY STEAKS (CAPITAL CITY	3506 Capital City Mall DR SPC FC5	Camp Hill, PA	17011
CHINA TEA HOUSE	4912 Louise DR	Mechanicsburg, PA	17055
COMFORT INN CAPITAL CITY	1012 WESLEY DR	Mechanicsburg, PA	17055
COUNTRY INN & SUITES	4943 GETTYSBURG RD	Mechanicsburg, PA	17055
COURTYARD BY MARRIOTT	4921 GETTYSBURG RD	Mechanicsburg, PA	17055
CREEKSIDE GRILL	3921 Lisburn RD	Mechanicsburg, PA	17055
DAVE AND BUSTERS	3503 Capital City Mall DR	Camp Hill, PA	17011
DICKEY'S BARBECUE PIT	3401 HARTZDALE DR STE 112	Camp Hill, PA	17011
DQ ORANGE JULIUS	3652 CAPITAL CITY MALL DR	Camp Hill, PA	17011
EDIBLE ARRANGEMENTS	3401 HARTZDALE DR	Camp Hill, PA	17011
FLINCHY'S	1833 HUMMEL AVE	Camp Hill, PA	17011
FUSION FIRE	3421 SIMPSON FERRY RD	Camp Hill, PA	17011
GERTRUDE HAWK CHOCOLATES	3508 CAPITAL MALL DR	Camp Hill, PA	17011
HAPPY BOX BREAKFAST LUNCH & DINER	3625 SIMPSON FERRY RD	Camp Hill, PA	17011
HEMAUER BREWING CO.	1010 Wesley Drive STE 109	Mechanicsburg, PA	17055
HEWLETTS HOT SAUSAGE	200 Belaire Drive	Camp Hill, PA	17011
HICKORY FARMS #11229	CAPITAL CITY MALL	Camp Hill, PA	17011
HIGHWAY MANOR BREWING	2238 Gettysburg RD	Camp Hill, PA	17011
HOMEWOOD SUITES HOTEL	5001 RITTER RD	Mechanicsburg, PA	17055
HUNAN EXPRESS RESTAURANT LLC	1010 WESLEY DR STE 108	Mechanicsburg, PA	17055
IDEA COFFEE MFF TYPE 3	1303 Saxton WAY	Mechanicsburg, PA	17055
ISAAC'S DELI	4940 RITTER RD	Mechanicsburg, PA	17055
JOEY'S CHICKEN SHACK	1104 Carlisle RD	Camp Hill, PA	17011
JUBA HALAL MARKET	5247 Simpson Ferry RD	Mechanicsburg, PA	17050
JUICE-N-JAVA	5258 SIMPSON FERRY RD	Mechanicsburg, PA	17050

KARVON RESTAURANT	3433 SIMPSON FERRY RD UNIT A	Camp Hill, PA	17011
KING TUT CONVENIENCE(EXON GAS)	1004 WESLEY DR	Mechanicsburg, PA	17055
LOWER ALLEN DINER	3449 SIMPSON FERRY RD	Camp Hill, PA	17011
MARZONI'S BRICK OVEN AND MICRO BR	4925 Ritter RD	Mechanicsburg, PA	17055
MASALA BISTRO INDIAN RESTAURANT	3401 HARTZDALE DR STE 120	Camp Hill, PA	17011
MCDONALD'S #00451	1100 CARLISLE RD	Camp Hill, PA	17011
MCDONALD'S #15788	1014 WESLEY DR	Mechanicsburg, PA	17055
MOE'S BAR AND GRILL	4709 GETTYSBURG RD	Mechanicsburg, PA	17055
MOMO BBQ CO	4916 Louise Drive	Mechanicsburg, PA	17055
MONKEY JOE'S ACM GROUP LLC	3608 HARTZDALE DR	Camp Hill, PA	17011
NEATO BURRITO MECHANICSBURG	5238 SIMPSON FERRY RD	Mechanicsburg, PA	17050
NEW CHINA II	1104 CARLISLE RD	Camp Hill, PA	17011
NIKOLI'S PIZZA & CATERING	3904 OLD GETTYSBURG RD	Camp Hill, PA	17011
NYREE'S RESTAURANT	1104 CARLISLE RD	Camp Hill, PA	17011
OUTBACK STEAKHOUSE	1201 LOWER ALLEN DR	Camp Hill, PA	17011
PANDA CHINESE KITCHEN	3451 CAPITOL MALL DR	Camp Hill, PA	17011
PAPA JOHN'S PIZZA	1010 Wesley DR	Mechanicsburg, PA	17055
PIZZA GRILLE #2	3817 GETTYSBURG RD	Camp Hill, PA	17011
PIZZA HUT	3300 HARTZDALE DR STE 113	Camp Hill, PA	17011
POBLANO BURRITO	3401 HARTZDALE DR STE 113	Camp Hill, PA	17011
PRE K GOURMET	4922 Louise Drive	Mechanicsburg, PA	17055
PRIMANTI BROS.	3745 Capital City Mall DR	Camp Hill, PA	17011
RESSLER'S BAGEL	5252 SIMPSON FERRY RD	Mechanicsburg, PA	17050
RITA'S PIZZA DBA ITALIAN DELIGHT	4932 LOUISE DR STE 1 & 2	Mechanicsburg, PA	17055
SAIKOU INC	5250 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SALADWORKS	3506 CAPITAL CITY MALL SPC #6	Camp Hill, PA	17011
SBARROS PIZZA	CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHAWARMA HOUSE	3616 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SHEETZ CEDAR CLIFF	1508 CEDAR CLIFF DR	Camp Hill, PA	17011
SHIRLEY RAE'S LLC	1347 Saxton Way	Mechanicsburg, PA	17055
SIMPSON FERRY GULF	3635 SIMPSON FERRY RD	Camp Hill, PA	17011
SMOKER'S EXPRESS	5236 SIMPSON FERRY RD	Mechanicsburg, PA	17050
SNOWFOX - WEIS #125	1195 LOWTHER RD	Camp Hill, PA	17011
SNOWFOX - WEIS #58	5140 Simpson Ferry RD	Mechanicsburg, PA	17055
SPICE BAZAR	2317 GETTYSBURG RD	Camp Hill, PA	17011
SPRING GATE VINEYARD AND BREWERY	1440 Market House LN	Mechanicsburg, PA	17050
STARBUCKS COFFEE #50323	1106 Carlisle RD	Camp Hill, PA	17011
SUBWAY	1010 WESLEY DR	Mechanicsburg, PA	17055
SUBWAY	5234 SIMPSON FERRY RD	Mechanicsburg, PA	17055
SUBWAY #24101	1104 Carlisle RD	Camp Hill, PA	17011
SUBWAY #26913	4910 LOUISE DR	Mechanicsburg, PA	17055
SUBWAY #59266	3401 HARTZDALE DR	Camp Hill, PA	17011
SUBWAY STORE #23860	3506 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SUMMIT FAMILY RESTAURANT	2210 OLD GETTYSBURG RD	Camp Hill, PA	17011
SUNLIGHT DINER	4729 GETTYSBURG RD	Mechanicsburg, PA	17055
SUSHI EXPRESS @ CAPITAL CITY MALL	3644 CAPITAL CITY MALL DR	Camp Hill, PA	17011
SWEET FROG	1104 CARLISLE RD	Camp Hill, PA	17011

TATIANA'S RESTAURANT MEDITERRANEA	4601 Gettysburg RD	Mechanicsburg, PA	17055
TERIYAKI EXPRESS @ CAPITAL CITY MALL	3612 Capital City Mall DR	Camp Hill, PA	17011
TEXAS ROADHOUSE	1101 Lower Allen DR	Camp Hill, PA	17011
THE LODGE AT LIBERTY FORGE	3804 LISBURN RD	Mechanicsburg, PA	17055
THE PEPPERMILL FAMILY RESTAURANT	1010 Wesley DR UNIT 100	Mechanicsburg, PA	17055
THEA	1303 Saxton WAY	Mechanicsburg, PA	17055
THEO'S BAR & GRILLE II	3315 HARTZDALE DR	Camp Hill, PA	17011
TOKYO DINER	5202 SIMPSON FERRY RD STE 108	Mechanicsburg, PA	17050
TONY'S PIZZATOWN	5228 Simpson ferry RD	Mechanicsburg, PA	17050
TOWNE PLACE SUITES	4915 RITTER RD	Mechanicsburg, PA	17055
TRACKS END RESTAURANT	5022 ARTHUR AVE	Mechanicsburg, PA	17055
TUCKEY'S BAKERY OUTLET	2214-B GETTYSBURG RD	Camp Hill, PA	17011
TURKEY HILL MINIT MARKET #236	5150 SIMPSON FERRY RD	Mechanicsburg, PA	17055
VITO'S ITALIAN RISTORANTE	1150 LOWTHER RD	Camp Hill, PA	17011
WALMART #5888	3400 HARTZDALE DR	Camp Hill, PA	17011
WEIS MARKETS #058	5140 SIMPSON FERRY RD	Mechanicsburg, PA	17050
WEIS MARKETS #125	1195 LOWTHER RD	Camp Hill, PA	17011
WENDY'S #6400	3465 SIMPSON FERRY RD	Camp Hill, PA	17011
WHITE HILL CAFÉ% INC	1712 HUMMEL AVE	Camp Hill, PA	17011
ZAIQA KABAB & GRILL	5202 SIMPSON FERRY RD	Mechanicsburg, PA	17050

ATTACHMENT #10

YELLOW BREECHES WATERSHED ASSOCIATION OUTREACH EVENTS

Yellow Breeches Watershed Association

Annual Gathering (Remote Meeting)

November 19, 2020 6:30 p.m. to 8:00 p.m.

Join Zoom Meeting

<https://zoom.us/j/94806594982>

Meeting ID: 948 0659 4982

One tap mobile

+16465189805,,94806594982# US (New York)

+12678310333,,94806594982# US (Philadelphia)

Agenda

6:30 Welcome and Remarks – Brook Lenker

6:40 MS4 Program Overview and Importance – Shawn Fabian

- **MS4 Permit Components**
- **Chesapeake Bay Pollutant Reduction Plan Overview**
- **Chesapeake Bay Foundation to Sue US EPA Update**

6:45 Speaker – Erin Letavic - HRG

7:00 Speaker – Rebecca Davis – Lower Allen Township

7:20 Experiences from Upper Allen Township - Shawn Fabian

7:40 Q & A with audience and speakers

7:50 Wrap-up remarks – Shawn Fabian

- **Master Watershed Steward Program Update**
- **Board Member Election**
- **Upcoming Events Discussion / Membership Appeal**

8:00 Formal Presentation ends, Board members will be available for additional conversation for a limited time afterwards.

YBWA Board Members

Officers

Brook Lenker, President

Joe Sabadish, Vice President

John Eby, Treasurer

Thomas Kutz, Secretary

Directors

Rich Pugh

Phillip Brath

Shawn Fabian

Andrew Reese

Water Trail Liaison

Dennis Aucker

If you are not a YBWA member or have not renewed your membership for 2021 yet, please consider doing so during this event by visiting our website at www.ybwatershed.org for our online application and paypal donation options.



Sheepford Crossing West Detention Basin Retrofit Project

Lower Allen Township, Camp Hill, PA

Rebecca Davis, Stormwater Program Manager, CBLP



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Project Justification

The project is part of the Township's Pollution Reduction Plan required by the Pennsylvania Department of Environmental Protection (PADEP).

Lower Allen Township is required to reduce sediment in our stormwater runoff by 10% within our 5-year NPDES MS4 PAG-13 Phase II permit cycle.

The Township is retrofitting a total of 10 detention basins into bioretention facilities to achieve this requirement. Total sediment reductions are calculated to be 317,931 pounds/year.

Existing Conditions



Sheepford Crossing West Detention Basin

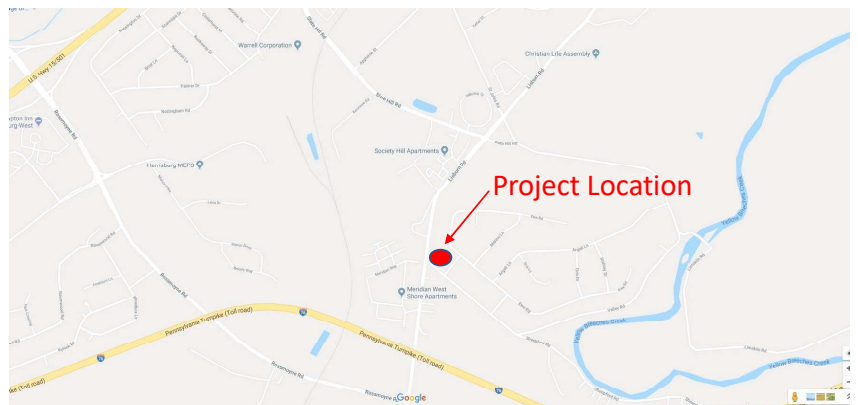
Watershed: Yellow Breeches,
Susquehanna, Chesapeake Bay

Physiographic Region: Ridge
and Valley of PA

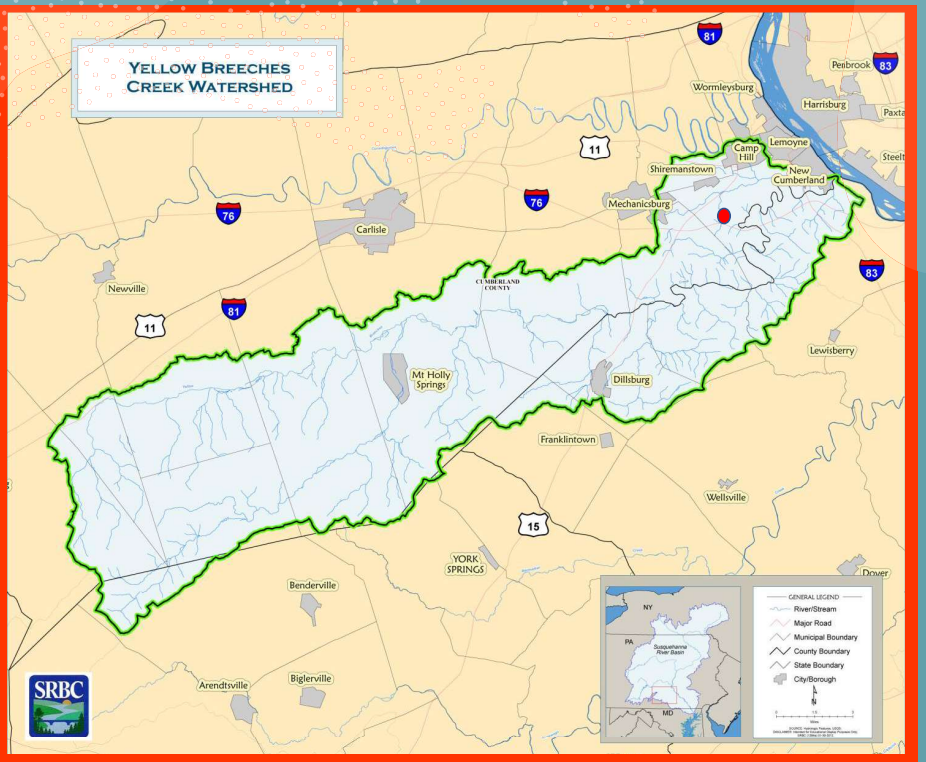
Drainage Area: 32.3 Acres

Design Storm: Original Basin
designed for a 10-Year Storm

Project Location:
Entrance to the Sheepford Crossing Residential
Neighborhood at the
corner of Lisburn and
Sheepford Road.



Yellow Breeches Watershed

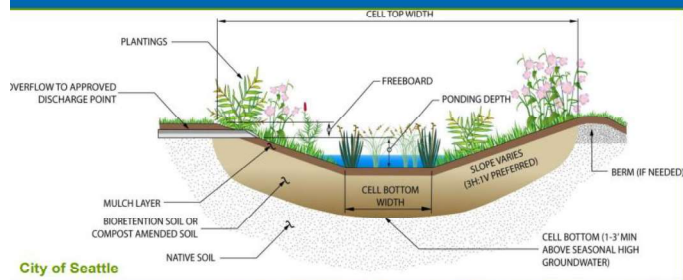


What is a Bioretention Facility?

Bioretention Types

Without Underdrain

- Relies on infiltration to native soil
- Can provide effective flow control and WQ treatment



Bioretention basins are landscaped depressions or shallow basins used to slow and treat on-site stormwater runoff.

Stormwater is directed to the basin and then percolates through the system where it is treated by a number of physical, chemical and biological processes. The slowed, cleaned water is allowed to infiltrate native soils or directed to nearby stormwater drains or receiving waters.



Expected Benefits - How this basin retrofit addresses Non-Point Source Pollution?

The retrofit of this detention basin into a bioretention facility will address the non-point source pollution impairments of the Yellow Breeches in the following ways:

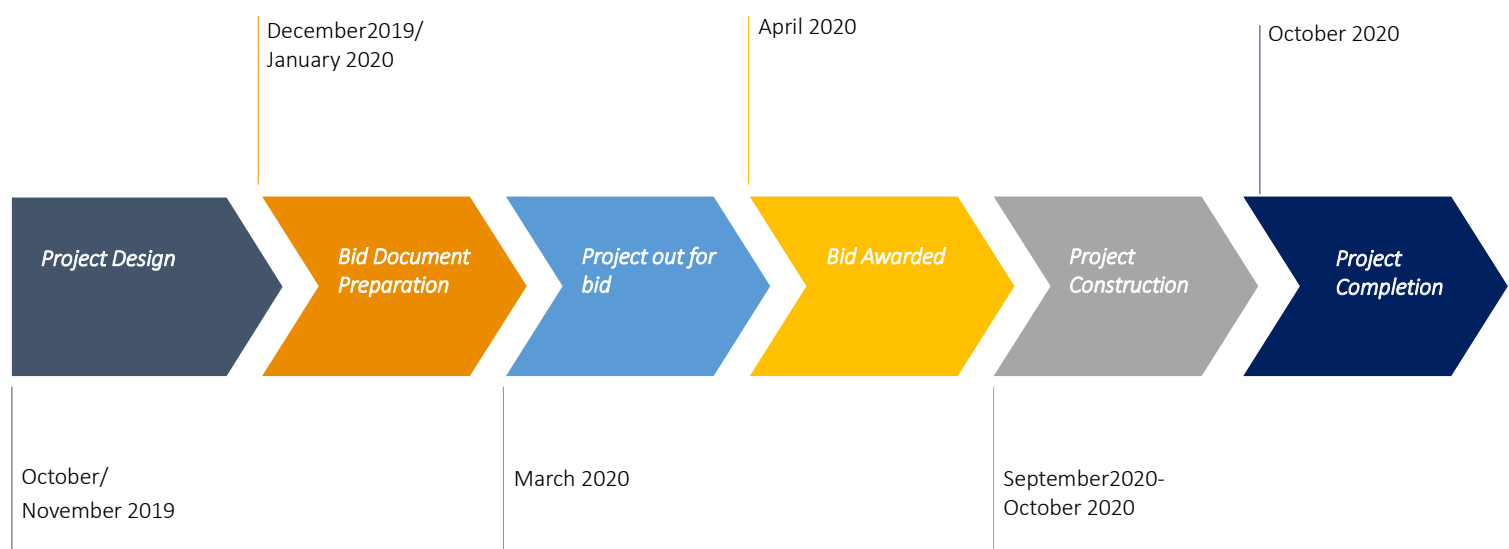
- 1:** The basin will more effectively control runoff from small and more frequent storms.
- 2:** The basin retrofit will protect the receiving waters from polluted runoff by managing the first flush of non-point source pollution and effectively capturing and treating the pollutants found in surface runoff.
- 3:** The vegetation established in the basin will pull pollutants out of stormwater entering the basin and act as a natural filter, treating runoff prior to release.
- 4:** The basin will replenish groundwater by infiltration, releasing less stormwater runoff into the Yellow Breeches watershed.
- 5:** The facility maintenance requirements of the basin will be reduced. Less mowing will be required, and inspections will be minimal after the plants in the basin are established.

The retrofit of this detention basin into a bioretention facility will decrease sediment in Lower Allen Township stormwater runoff by 15,447.70 lbs/year.



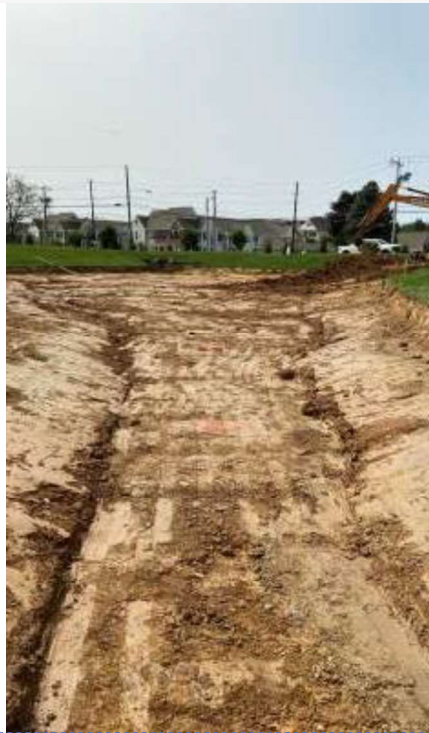
BMP – BASIN RETROFIT INTO A BIORETENTION FACILITY

Sheepford Crossing Project Timeline



Removal of Existing Topsoil

- Excavation and removal of 21" of existing soil in the basin. The top 12" of topsoil was reserved and amended with leaf compost prior to replacing the soil in the facility.
- The basin bottom was scarified prior to replacement of soil/compost mix.



Screening and Amending Topsoil

The remaining topsoil was screened and mixed with leaf compost prior to replacement in the facility. Construction equipment was careful not to cause soil compaction.





Scarifying basin bottom

Scarification, it's one of the most important things related to soil preparation. It's the process of breaking up soil by fracturing or tilling it. The USDA defines it as:

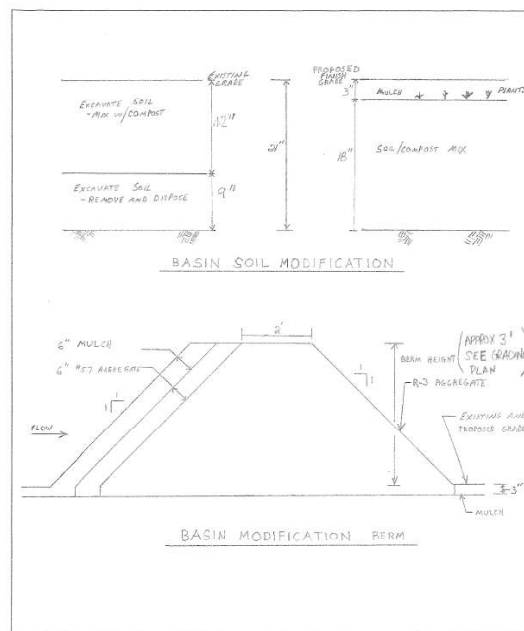
“The tilling or ripping of the soil across the slope using farming or construction equipment. The purposes of this treatment is to loosen and mix the soil profile in order to create a better seedbed and improve infiltration. It can be done many ways, depending on the size of the project.



Amended soil placement

The remaining topsoil was screened and mixed with leaf compost prior to replacement in the facility. Construction equipment was careful not to cause soil compaction.





LOWER ALLEN TOWNSHIP		Exhibit 1-A
By: <u>D.J. Pflum</u>	<u>STORMWATER BASIN MODIFICATION DETAILS</u>	
Date: <u>3-12-2020</u>		NYS



Stone berm construction

1. Installation of stone berm at the outlet structure of the basin.
2. R-3 Aggregate rock was placed to a berm height of 3 feet.
3. Front facing slope of the berm was covered in 6" of #57 aggregate and 6" of mulch.
4. The berm facilitates stormwater to pond in the basin for treatment by plantings and infiltration.

Mulch Placement



- 2" of mulch was sprayed into the basin after the soil amendment (design amendment).
- The mulch will maintain moisture in the soil and help to keep weeds from germinating.
- Mulching was performed prior to plant placement to keep weed germination at a minimum prior to planting.



Basin Planting



Why Native Plants?

- Native plants to our region thrive without additional watering, fertilizers, pesticides, or special maintenance
- Deeper root systems improve soil health, prevent erosion, and HELP to reduce runoff pollution.
- Pollinators depend upon these plants for survival.



Non-Natives

Spirea



Daylillies



Perennial
Fountain
Grass



Fescue
Turf



Buffalo
Grass



Prairie
Dropseed



Black-eyed
Susan



Common
Ninebark



Natives



Sheepford Crossing West

Plant List

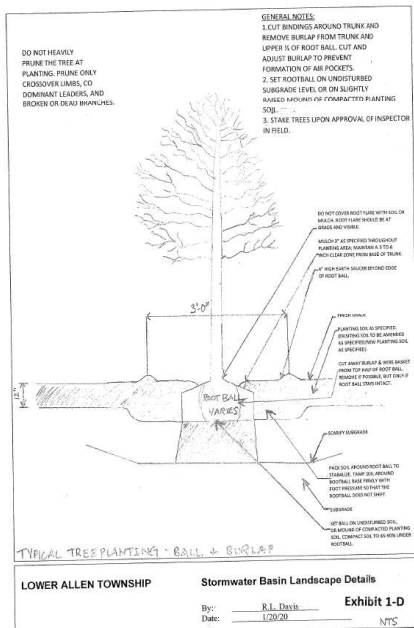
ID	BOTANICAL NAME	COMMON NAME	SIZE	QTY	Unit Type	NOTES
Trees						
CC	Cercis canadensis	Eastern Redbud	11" HT (7 Gal)	1	ea	Plant 15' OC
NS	Nyssa Sylvatica	Black Gum	4-6' HT (7 Gal)	1	ea	Plant 15' OC
BN	Betula Nigra	River Birch	6-8' HT (7 Gal)	2	ea	Clump
Shrubs						
VD	Viburnum Dentatum	Arrowwood	#3 Cont.	5	ea	Plant 10' OC
CO	Cephalanthus Occident.	Buttonbush	#3 Cont.	4	ea	Plant 10' OC
CA	Cornus Amomum	Silky Dogwood	#3 Cont.	4	ea	Plant 10' OC
AS	Alnus serrulata	Smooth Alder	#3 Cont.	5	ea	Plant 10' OC
Perennials/Ornamental Grasses						
IV	Iris Versicolor	Blue Flag Iris	Plug	300	plug	Plant 1' OC on triangular grid
SS	Schizachyrium Scoparium	Little Bluestem	Plug	300	plug	Plant 1' OC on triangular grid
RF	Rudbeckia fulgida	Black Eyed Susan	Plug	300	plug	Plant 18" OC on triangular grid
LC	Lobelia cardinalis	Cardinal Flower	Plug	300	plug	Plant 18" OC on triangular grid
PCB	Panicum 'Cape Breeze'	Switch Grass	Plug	300	plug	Plant 18" OC on triangular grid
RF	Rudbeckia fulgida	Black Eyed Susan	Plug	750	plug	Plant 2' OC on triangular grid
LC	Lobelia cardinalis	Cardinal Flower	Plug	750	plug	Plant 2' OC on triangular grid
PCB	Panicum 'Cape Breeze'	Switch Grass	Plug	750	plug	Plant 2' OC on triangular grid
Landscape Plan Notes:						
1. Plant material and layout to be approved in the field prior to installation by designer.						
2. No planting shall occur after October 15th. If not completed by this date, plantings shall occur in the following spring after April 15th.						
3. All trees, shrubs, and perennials shall be marked with flagging tape at the time of installation for the purpose of identifying planting locations in the future.						
4. The corresponding plant list ID shall also be marked on each individual flag to identify the type of plantings installed.						
5. Perennials/Ornamental Grasses shall be planted in groupings of 15-20 plants each.						
6. Tools acceptable for installation: Auger (3"), small spade, or hand trowel.						
7. Plantings shall be irrigated at time of installation.						

Planting

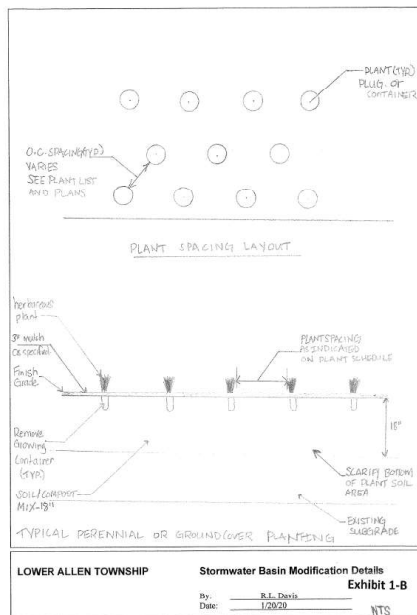
Just under 4,000 herbaceous plug plantings were planted by hand in the basin bottom.

Native plantings were selected based upon their deep root systems, ability to handle facultative conditions, and attraction of pollinators to the area.

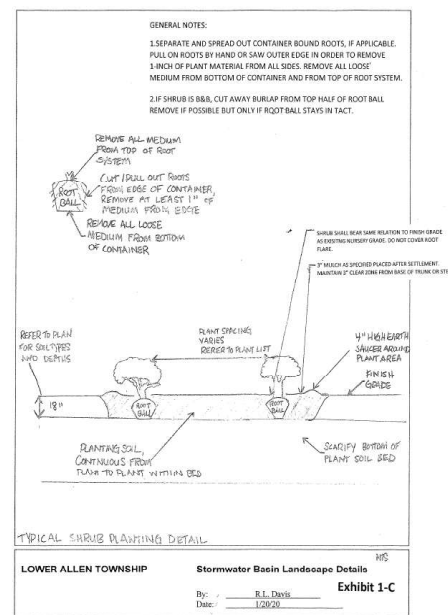
Plantings were placed on a 1' center at the inlet and outlet structures for velocity reduction and nutrient removal.



17



15



16

Project Funding

Cumberland

- Cumberland County Conservation District, \$90,000 for technical assistance for farmers to plant cover crops that will reduce nutrient and sediment runoff pollution.
- Middlesex Township, \$631,600 for stream restoration and stormwater management to reduce pollution into Wertz Run and Hogestown Run.
- Cumberland County Conservation District, \$91,211 for pollution reduction from farm fields in Lower Frankford Township.
- Lower Allen Township, \$122,358 for improved stormwater management to reduce runoff pollution into the Yellow Breeches Creek.
- Lower Allen Township, \$60,536 for improved stormwater management to reduce runoff pollution into Cedar Run Creek.

DEP awards water quality-related grants funded by \$12.6M penalty against Sunoco

Money will go to efforts in 14 Pa. counties

Scott Blanchard

OCTOBER 16, 2018 | 11:35 AM
UPDATED: OCTOBER 16, 2018 | 12:56 PM

Mariner East 2



The map shows the Mariner East 2 pipeline's path across 17 Pennsylvania counties on its way to the Marcus Hook industrial complex in Delaware County, where the natural gas liquids it carries will be shipped overseas to make plastics. The map was built using state Department of Environmental Protection data on the route of the pipeline. The line outside each county is blue.



Lower Allen Township Sheepford West BIORETENTION FACILITY

This stormwater facility uses native plants and amended soils for the removal of pollutants from stormwater runoff.

This protects the Yellow Breeches Watershed and ultimately the Chesapeake Bay.

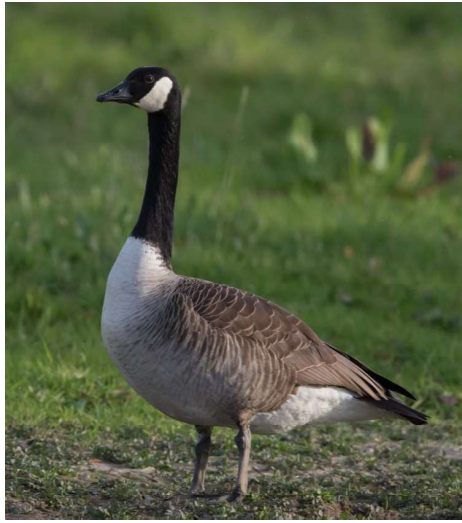
Plants in this stormwater facility:

Eastern Redbud	Cardinal Flower
Black Gum	Switch Grass
River Birch	
Arrowwood	
Buttonbush	
Silky Dogwood	
Smooth Alder	
Blue Flag Iris	
Little Bluestem	
Black Eyed Susan	



This project was supported by a grant from the Pennsylvania Department of Environmental Protection.

Project Sign Identification



Challenges



First large rain event –
October 2020

Next Steps.....

Lower Allen Township Pollution Reduction Plan Projects

BMP FACILITY	SITE LOCATION	PIN#
Moreland Basin *	Rear of Oxford Drive	13-24-0791-002FEX
Sheepford Crossing East Basin *	End of cul-de-sac on Ewe Rd.	13-26-0251-160EX
Sheepford Crossing West Basin *	Intersection of Lisburn Rd. & Sheepford Road	13-26-0251-039EX
Westport Business Center Basin	Rear of 4520 Westport Drive Property	13-10-0256-023
Rossmoyne Business Center Basin	5000 Ritter Road	13-10-0256-002C
BJs Wholesale Club Basin	3805 Hartzdale Drive	13-24-0799-178A
LAT Public Works Facility Basin *	1400 Saint Johns Road	13-25-0020-062EX
Heights of Beacon Hill Basin	Rear of Intersection of Sconsett Way and Lowell Lane	13-25-0008-390
Bethany Village West Basin	5225 Wilson Lane	13-09-0545-006EX
Weis Market/UHMC Basin	5120 Simpson Ferry Road	13-09-0545-002EX

*Township Owned Property

MAINTENANCE

ANNUAL REPORTING TO PADEP

COMPLETION OF 8 ADDITIONAL PRP BASIN RETROFIT PROJECTS



Public Works Facility
1400 Saint Johns Road
Existing Conditions/Finished Basin Retrofit

ATTACHMENT #11

IDD&E PLAN

ILLICIT DISCHARGE INVESTIGATIONS



**MS4 ILLICIT DISCHARGE DETECTION
AND ELIMINATION (IDDE) PLAN
FOR
MS4 PROGRAM – MCM #3
LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PA**

June 2, 2021

INTRODUCTION

This Illicit Discharge Detection and Elimination Plan (IDDE) was prepared by staff from Lower Allen Township in order to satisfy the requirements of their current Municipal Separate Storm Sewer System (MS-4) Permit program.

This Plan is intended to meet the permit requirements under Minimum Control Measure (MCM) # 3 of the Township's current MS-4 permit (Permit # PAG 133711). These requirements of this MCM are presented in Attachment # 1. In response to these requirements an annual review of the MS-4 program's IDDE efforts in the 2020 Plan (See attachment # 2) was performed by the staff on January 4, 2021. The results of this review are reflected in the 2021 plan as it appears below:

MS4 Illicit Discharge Detection and Elimination (IDDE) Plan

1. Audit Existing Resources and programs
 1. Annually review existing resources and program elements to evaluate unmet needs.
2. Establish responsibility, Authority and tracking
 1. Responsibility for implementing the IDDE Plan, including inspection, reporting, enforcement and tracking has been established with the following positions:
 1. Township Engineer
 2. Stormwater Program Manager
 3. Stormwater Technician
 4. Building and Zoning Coordinator
 5. Construction Code Officials (2) and Codes Inspector
3. Complete a desktop Assessment of Illicit Discharge potential
 1. Annually review Township mapping to identify areas of potential illicit discharge.
4. Develop program Goals and Implementation Strategies
 1. Goals of the program are:
 1. Provide methods for the public to report suspected illicit discharges.
 2. Raise awareness of Township employees to be alert for signs of potential illicit discharges.
 3. Respond quickly and effectively to reports of potential illicit discharges.
 2. Implementation strategies:
 1. Make available Township personnel to receive reports from the public via phone, written correspondence, e-mail, social media and in-person.
 2. Conduct annual training to Township employees, and provide ongoing information regarding signs of potential illicit discharge.
 3. Follow up on reports of potential illicit discharge using direct contact and ordinance enforcement.

5. Search for Illicit Discharge Problems in the field

1. Conduct annual inspections of outfalls in accordance with Permit requirements. All annual inspection shall be performed during dry weather (no rain within 48 hours) in accordance with the protocols established in the current permit.
2. Visit all outfalls in accordance with MS-4 requirements in the current permit.
3. When outfalls are on private property the Township shall provide advance notice of the inspection and shall obtain the property owners permission for access. If requesting permission from the property owner fails to gain access, more forceful means such as search warrants can be sought if necessary.
4. Provide written documentation of all IDDE inspections using the forms provided by the Department of Environmental Protection.
5. If a suspicious discharge is observed; the discharge shall be sampled in accordance with protocols outlined in Attachment # 3.

6. Identifying Priority Areas

1. Priority areas for illicit discharges are often associated with older infrastructure in the Township.
2. Develop priority outfalls and sample annually.

7. Procedures for Screening outfalls in priority areas

1. Priority areas may have to be monitored yearly in order to find illicit discharges. If the municipality suspects an illicit discharge they can and should monitor more frequently. Sometimes an illicit discharge may occur in times of high groundwater, or cold weather.
2. If it appears as though an illicit discharge only occurs during a certain set of seasonal or meteorological conditions, then the Township should tailor its sampling program to those conditions in order to capture the discharge.

8. Isolate and Fix Individual Discharges

1. Follow up on any potential illicit discharges that are found through the annual inspection program. Once an illicit discharge is found, follow-up investigations will be necessary to determine the actual source of the discharge. Guidance for both sampling and source isolation can be found in UESPA IDDE Guidance documents presented in Attachment # 4.
2. Use ordinance requirements and other legal means available to municipalities to stop illicit discharges that are found.

9. Septic System discharges

1. Septic system discharges can find their way into the MS4 system and result in pollution of the Waters of the Commonwealth. Discharges from malfunctioning septic systems are an MS4 violation!
2. Coordination with the "Needs Areas" in the Township's Act 537 Plan can be helpful in determining the areas where malfunctions can be found.
3. Often Winter is a good time to spot sewage malfunctions as they often begin as a black area with water and then this sewage freezes once it moves away from the septic system.

10. Prevent Illicit Discharges

1. Continue to implement the Public education and outreach Program to increase awareness of the public of potential illicit discharges.

11. Evaluate the program

1. Annually evaluate the IDDE Plan to determine if there are any unmet needs that should be addressed in the coming year.

2021 Update:

- Designate priority outfalls and sample annually.
- Map PCM drainage areas as required in Appendix B & C of the permit, determine “potential” sources of pathogen and PCB impairment, and sample sections of the Yellow Breeches Creek and Cedar Run to determine if impairments exist.
- Map PCM sample points using GPS unit.
- Sample PCM points and have analyzed at a certified laboratory.
- Create inlet collection tool using GIS and GPS technology.
- Create BMP collection tool using GIS and GPS technology.
- Create Spill collection tool using GIS and GPS technology.

ATTACHMENT # 1

Permit Requirements

3. **MCM #3:** Illicit Discharge Detection and Elimination (IDD&E). (25 Pa. Code § 92a.32(a) and 40 CFR § 122.34(b)(3))

The permittee shall develop, implement and enforce a program to detect and eliminate illicit discharges into the permittee's regulated small MS4.

- a. **BMP #1:** The permittee shall develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated small MS4. The program shall include the following:

- Procedures for identifying priority areas. These are areas with a higher likelihood of illicit discharges, illicit connections or illegal dumping. Priority areas may include areas with older infrastructure, a concentration of high-risk activities, or past history of water pollution problems.
- Procedures for screening outfalls in priority areas. The program shall include dry weather field screening of outfalls for non-stormwater flows, and sampling of dry weather discharges for selected chemical and biological parameters. Test results shall be used as indicators of possible discharge sources.
- Procedures for identifying the source of an illicit discharge when a contaminated flow is detected at a regulated small MS4 outfall.
- Procedures for eliminating an illicit discharge.
- Procedures for assessing the potential for illicit discharges caused by the interaction of sewage disposal systems (e.g., on-lot septic systems, sanitary piping) with storm drain systems.
- Mechanisms for gaining access to private property to inspect outfalls (e.g., land easements, consent agreements, search warrants) and for investigating illicit connections and discharges.

3800-PM-BCW0100d 5/2016
Permit

- Procedures for program documentation, evaluation and assessment. Records shall be kept of all outfall inspections, flows observed, results of field screening and testing, and other follow-up investigation and corrective action work performed under this program.
 - Procedures for addressing information or complaints received from the public.
- (1) For new permittees, the IDD&E program shall be developed during the first year of coverage under this General Permit and shall be implemented and evaluated each year thereafter.
- (2) For existing permittees, the IDD&E program shall continue to be implemented and evaluated annually.
- b. **BMP #2:** The permittee shall 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) For new permittees, the map(s) must be developed and submitted to DEP as an attachment to an Annual MS4 Status Report by September 30, 2022 or the fourth (4th) Annual MS4 Status Report following approval of coverage under this General Permit, whichever is later.
- (2) For existing permittees, the existing map(s) shall be updated and maintained as necessary during each year of coverage under this General Permit.
- c. **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) For new permittees, the map(s) must be developed and submitted to DEP as an attachment to an Annual MS4 Status Report by September 30, 2022 or the fourth (4th) Annual MS4 Status Report following approval of coverage under this General Permit, whichever is later.
 - (2) For existing permittees, the existing map(s) shall be updated and maintained as necessary during each year of coverage under this General Permit.
- d. **BMP #4:** The permittee shall conduct dry weather screenings of its 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, in accordance with Part A III.D.4 of this General Permit.
- (1) For new permittees, all of the identified regulated small MS4 outfalls shall be screened during dry weather at least twice within the 5-year period following approval of coverage under this General Permit.
 - (2) For existing permittees, each of the identified regulated small MS4 outfalls shall be screened during dry weather at least once by March 15, 2023. For areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls shall be screened annually during each year of permit coverage.
 - (3) If a discharge is observed from any outfall during dry weather screenings, the discharge shall be inspected for color, odor, floating solids, scum, sheen, and substances that result in observed

- 19 -

deposits in the surface waters. In addition, the discharge cannot contain substances that result in deposits in the receiving water or produce an observable change in the color, odor or turbidity of the receiving water.

If the discharge exhibits any of the above characteristics, or contains any other pollutants or causes an observed change in the surface waters, the permittee shall sample the discharge(s) for field and/or laboratory analysis of one or more common IDD&E parameters in order to determine if the dry weather flow is illicit. Possible parameters include, but are not limited to: 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) and Ammonia-Nitrogen. Proper quality assurance and quality control procedures shall be followed when collecting, transporting or analyzing water samples. The permittee shall retain sample results with the inspection report in accordance with Part A III.B of this General Permit.

- (4) Each time an outfall is screened, the permittee shall record outfall observations, regardless of the presence of dry weather flow. All outfall inspections shall be documented on the MS4 Outfall Field Screening Report form (3800-FM-BCW0521), or equivalent. The report must be signed by the inspector and be maintained by the permittee in accordance with Part A III.B of this General Permit. If an outfall flow is determined by the permittee to be illicit, the actions taken to identify and eliminate the illicit flow shall also be documented.
 - (5) The permittee shall summarize the results of outfall inspections and actions taken to remove or correct illicit discharges in Annual MS4 Status Reports.
 - (6) If the permittee determines that an outfall cannot be accessed due to safety or other reasons, the permittee shall establish an "observation point" at an appropriate location prior to the outfall where outfall field screening shall be performed. If observation points are established by the permittee, such points shall be identified on the map required under BMP #2 of this section.
 - (7) Permittees must ensure that outfalls are properly maintained in accordance with Part C I.B.6.b of this General Permit.
- e. **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) Municipal permittees shall submit a copy of an ordinance that is consistent with DEP's 2022

-
- (1) Permittees shall submit a copy of the Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2022 (existing permittees) or the fourth (4th) Annual MS4 Status Report following approval of coverage under this General Permit (new permittees).
- (2) Permittees that lack the authority to enact ordinances (non-municipal permittees and counties) shall develop and adopt an SOP that prohibits non-stormwater discharges consistent with this General Permit, and shall submit a copy of the SOP as an attachment to an Annual MS4 Status Report by September 30, 2022 (existing permittees) or the fourth (4th) Annual MS4 Status Report following approval of coverage under this General Permit (new permittees).
- (3) Notice must be provided to DEP of the approval of any waiver or variance by the permittee that allows an exception to non-stormwater discharge provisions of an ordinance or SOP. This notice shall be submitted in the next Annual MS4 Status Report following approval of the waiver or variance.
- f. **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) During each year of permit coverage, appropriate educational information concerning illicit discharges shall be distributed to the target audiences using methods outlined under MCM #1.

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The permittee shall establish and promote a stormwater pollution reporting mechanism (e.g., a complaint line with message recording) by the end of the first year of General Permit coverage for the public to use to notify the permittee of illicit discharges, illegal dumping or outfall pollution. The permittee shall respond to all complaints in a timely and appropriate manner. The permittee shall document all responses, including the action taken, the time required to take the action, and whether the complaint was resolved successfully.

- (2) Educational outreach may include: distribution of brochures and guidance for target audiences including schools; programs to encourage and facilitate public reporting of illicit discharges; organizing volunteers to locate and visually inspect outfalls and to stencil storm drains; and implement and encourage recycling programs for common wastes such as motor oil, antifreeze and pesticides.

Attachment # 3

Sampling Protocol

IDDE Sampling Protocol

1. When an illicit discharge is suspected in the field the investigator shall notify the Township Engineer and/or Stormwater Program Manager and relay his concerns.
2. Follow-up field investigations by the above staff shall be conducted promptly after notification.
3. If sampling is required, the Stormwater Program Manager shall notify the laboratory (Currently Analytical Laboratories Middletown, Pa. Contact Jessica Smith (717- 944-5541) to be used for the analysis and shall discuss proper sampling and handling techniques. If necessary appropriately sized bottles containing the proper preservatives can be provided in advance of the sampling.
4. The Engineer/Stormwater Program Manager shall determine prior to sampling the tests to be required based upon the suspected contaminants in the discharge.
5. All staff who are responsible for field sampling shall take the appropriate safety precautions. At a MINIMUM rubber gloves shall always be used when obtaining samples. Field personnel shall NOT enter confined spaces, or sample dangerous environments without appropriate OSHA safety training.
6. When samples are obtained in the field the sampler shall record the time and date before leaving the site and shall fill in a chain of custody form.
7. ALL samples shall be obtained, preserved and transported in accordance with the protocols established in the current version of Standard Methods for the Examination of Water and Wastewater. It is important to note that any sampling done on the MS-4 system could ultimately be used as evidence in court and as such must be properly handled and documented.
8. All samples shall be transported to the laboratory immediately and a sign off obtained on the "Chain of Custody" form.
9. When performing an investigation involving laboratory analysis it is important to order the correct tests in order to capture the target contaminants. If the sampler is unsure of the required tests he should consult with the Stormwater Program Manager and/or Township Engineer to confirm the tests to be performed.

Table # 1**Sampling Information for Biochemical Oxygen Demand CBOD and Total Suspended Solids Sampling**

Parameter	Method	Matrix ¹	Sample Container ²	Preservation ³	Prep/ Analysis/ Holding Time ⁴	Minimum Volume	ALS RL	ALS MDL	UNITS
Biochemical Oxygen Demand (BOD)	5210B	PW, NPW	P or G	0-6° C	48 hours	1000mL	2	0.8	mg/L
Residue, Nonfilterable (TSS)	SM2540D	PW, NPW	P or G	0-6° C	7 days	250mL	5	5	mg/L

¹ PW= Potable Water, NPW= Nonpotable Water, LW= Liquid Waste, S= Soil, SW= Solid Waste

² P = Plastic, hard or soft; G = Glass, hard or soft; AG = Amber Glass; FP = Fluoropolymer, hard or soft

³ It is recommended that the preservative be added to the sample at the time of collection unless suspended solids activity is to be measured. If the sample has to be shipped to a laboratory or storage area unpreserved, acidification of the sample (in its original container) may be delayed for a period not to exceed 5 days. A minimum of 16 hours must elapse between acidification and analysis.

⁴ Holding time is defined as the period from time of sampling to time of analysis. In all cases, samples should be analyzed as soon after collection as possible. If a composite sample is prepared, a holding time cannot exceed 12 months.

NA= Not Applicable

ILLICIT DISCHARGE INVESTIGATIONS

SUB-SECTION CONTENTS

SUB-SECTION # 1	GRASS CLIPPINGS
SUB-SECTION # 2	OIL SPILLS
SUB-SECTION # 3	LEAVES
SUB-SECTION # 4	ILLICIT DISCHARGES
SUB-SECTION # 5	PA AMERICAN WATER LINE BREAKS
SUB-SECTION # 6	BUILDING PERMIT HANDOUTS
SUB-SECTION # 7	PENNSY SUPPLY

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #1 – GRASS CLIPPINGS



July 13, 2020

William Gramlich
416 Candlewyck Road
Camp Hill, PA 17011

**Re: Grass Clippings in Candlewyck Road
PIN # 13-24-0807-120**

Dear Mr. Gramlich:

Lower Allen Township has received complaints about grass clippings being blown into Candlewyck Road from your residence. Recent site visits by Township staff have confirmed grass clippings in the streets in front of your property. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them out of the street. While mulching is best for the health of your lawn please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

Please refrain from blowing the grass clippings from your property into the street. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

If you have questions regarding this correspondence, please feel free contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

July 13, 2020

Isabel E. Snyder
C/O Clay Snyder
417 Allendale Way
Camp Hill, PA 17011

**Re: Grass Clippings in Allendale Way
PIN # 13-24-0807-159**

To Whom It May Concern:

Lower Allen Township has received complaints about grass clippings being blown into Allendale Way from your residence. Recent site visits by Township staff have confirmed grass clippings in the streets in front of your property. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them out of the street. While mulching is best for the health of your lawn please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

Please refrain from blowing the grass clippings from your property into the street. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

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Sincerely,

Rebecca L. Davis
Stormwater Program Manager



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

July 13, 2020

Michael S. and Patricia K. Bircher
418 Candlewyck Road
Camp Hill, PA 17011

**Re: Grass Clippings in Candlewyck Road
PIN # 13-24-0807-119**

Dear Mr. and Mrs. Bircher:

Lower Allen Township has received complaints about grass clippings being blown into Candlewyck Road from your residence. Recent site visits by Township staff have confirmed grass clippings in the streets in front of your property. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them out of the street. While mulching is best for the health of your lawn please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

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If you have questions regarding this correspondence, please feel free contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager



July 13, 2020

Harrison C. Goff & Sharon L. Goff Living Trust
421 Candlewyck Road
Camp Hill, PA 17011

Re: Grass Clippings in Candlewyck Road
PIN # 13-24-0807-130

To Whom It May Concern:

Lower Allen Township has received complaints about grass clippings being blown into Candlewyck Road from your residence. Recent site visits by Township staff have confirmed grass clippings in the streets in front of your property. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

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Sincerely,

Rebecca L. Davis
Stormwater Program Manager



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

June 24, 2021

Daniel & Nicole Duffy
11 Colgate Drive
Camp Hill, PA 17011

Re: **Grass Clippings in street**

Dear Mr. and Mrs. Duffy,

Lower Allen Township has received complaints about grass clippings being blown onto Colgate Drive and Columbia Drive. Recent site visits by Township staff have confirmed grass clippings in the street along Colgate Drive and Columbia Drive. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

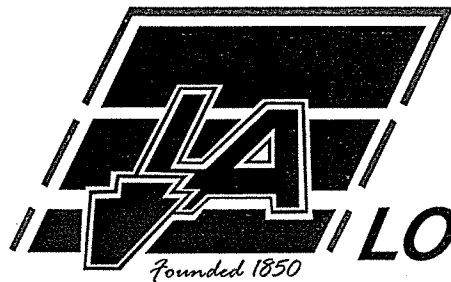
Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them **out** of the street. While mulching is best for the health of your lawn, please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

Please refrain from blowing the grass clippings from your property into the street. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

If you have questions regarding this correspondence, please feel free to contact me at bthompson@latwp.org or 717-975-7575 Ext. 1115.

Sincerely,

Bryce P. Thompson
Stormwater Inspector



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

April 14, 2021

Alfred and Patricia Fuchs
56 Center Drive
Camp Hill, PA 17011

Re: Grass Clippings in Carlisle Road
PIN # 13-23-0547-494

Dear Mr. And Mrs. Fuchs,

Lower Allen Township has received complaints about grass clippings being blown into Carlisle Road from your residence. Recent site visits by Township staff have confirmed grass clippings in the street along Carlisle Road and also Center Drive in front of your property. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them out of the street. While mulching is best for the health of your lawn, please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

Please refrain from blowing the grass clippings from your property into the street. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

If you have questions regarding this correspondence, please feel free contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager

From: Bryan Harshbarger
Sent: Friday, August 14, 2020 11:13 AM
To: Rebecca Davis
Subject: FW: Central Transport

The entire length of the property again.

From: Bryan Harshbarger [<mailto:bryanharshbarger@comcast.net>]
Sent: Friday, August 14, 2020 11:11 AM
To: Bryan Harshbarger <BHarshbarger@latwp.org>
Subject: Central Transport



Sent from my iPhone



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

April 20, 2021

Richard and Helen McGee
1330 Sheep Bridge Road
York, PA 17406-8452

Re: Grass Clippings in street
Location: 301 Belaire Drive, Shiremanstown, PA 17011
PIN # 48-23-0557-094

Dear Mr. and Mrs. McGee,

Lower Allen Township has received complaints about grass clippings being blown into Belaire Drive and along the sidewalk from your residence. Recent site visits by Township staff have confirmed grass clippings in the street along Belaire Drive and along the sidewalk in front of the residence. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them out of the street. While mulching is best for the health of your lawn, please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

Please refrain from blowing the grass clippings from your property into the street. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

If you have questions regarding this correspondence, please feel free contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager

From: Stephen Overmiller
Sent: Thursday, August 13, 2020 4:13 PM
To: Rebecca Davis
Subject: St johns n hartzdale

Hi
Grass blown Out to the white lines n covering inlets



Sent from my iPhone



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

July 13, 2020

Vitran Properties USA LLC
1200 Saint Johns Road
Camp Hill, PA 17011

**Re: Grass Clippings in Hartzdale Drive & Saint Johns Road
PIN # 13-24-0799-175A**

To Whom It May Concern:

Lower Allen Township has received complaints about grass clippings being blown into Hartzdale Drive and Saint Johns Road from your business. Recent site visits by Township staff have confirmed grass clippings in the streets in front of your business. This is an informative letter to explain the environmental damage that grass clippings can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents and businesses are conscientious about keeping the clippings out of the street, others continue to ignore this. Placing your clippings in the street can cause blockages in storm drains, which subsequently can lead to flooding, and releases harmful chemicals into our stormwater system and watershed. In addition, placing the clippings in the street is a violation of Lower Allen Township's Stormwater Management Ordinance. Please keep this in mind the next time you mow your lawn! Blow your grass clippings onto your lawn and/or sweep them out of the street. While mulching is best for the health of your lawn please be contentious and responsible for the grass clippings that get deposited into the Township streets while mowing and dispose of them properly.

Please refrain from blowing the grass clippings from your business into the street. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

If you have questions regarding this correspondence, please feel free contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT

2233 GETTYSBURG ROAD

CAMP HILL, PA 17011

717.975.7575

DATE: August 17, 2020

RECIPIENT: Vitran Properties USA LLC
1200 Saint Johns Road
Camp Hill, PA 17011

RECIPIENT ADDRESS: Same as recipient

SUBJECT PROPERTY LOCATION: 1200 Saint Johns Road
PIN#: 13-24-0799-175A

RECIPIENT STATUS REGARDING SUBJECT PROPERTY: Owner of record

VIOLATIONS: Code of the Township of Lower Allen as specified below.

Chapter No. 184, as amended, Stormwater Management:

Chapter 184, Section 37.A - Prohibited Discharges and connections. Any drain or conveyance, whether on the surface or subsurface, which allows any nonstormwater discharge, including, but not limited to, sewage, process wastewater, wash water, ammonia, chlorine, petroleum products (gasoline, fuel oil, etc.) pesticides, pollutants and other hazardous materials to enter the municipality's separate storm sewer system or to enter the waters of the commonwealth is prohibited. Handling and disposal of all materials and wastes shall comply with all federal and state requirements. Structural and nonstructural BMPs, in accordance with Chapters 5 and 6 of the most current version of the SWM Manual, shall be implemented where necessary to preserve the quality of stormwater runoff.

CORRECTIVE ACTION REQUIRED: Remove grass clippings from the Right-of-Way of Hartzdale Drive and Saint Johns Road. Do not discharge grass clippings into the road and right of way.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT:

Any person who shall violate a provision of this Code shall, upon summary conviction thereof, be sentenced to pay a fine of not more than \$500, for each violation, plus court costs and attorney fees. Each day that a violation continues shall constitute a separate offense and shall be punishable accordingly.

RIGHT OF APPEAL: Any person aggrieved by any action of the municipality or its designee, relevant to the provisions of this chapter, may appeal to the municipality within 30 days of that action. You may contact our office for directions on how to do this.



Rebecca L. Davis, Stormwater Program Manager

Lower Allen Township
717-975-7575 Ext. 1010
rdavis@latwp.org

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #2 – OIL SPILLS

From: Justin Kettering
Sent: Thursday, December 31, 2020 9:51 AM
To: PUBLIC_SAFETY; CED
Subject: 1612 Wyndham

Fire Department went to cardiac arrest at 1612 Wyndham (12/30/2020), deceased found in a running car, foot on the gas pedal. Car overheated and an oil leak was created. Neighbor Andy Croftcheck at 1610 Wyndham called to report an oil spill from the car (12/31/2020). Fire Department went back to 1612 Wyndham and put floor dry down in the driveway and sidewalk areas. We left the floor dry on the ground to absorb any remaining run off from the car. It is unknown if or when the car will be towed or moved. Neighbor Andy believes the closest living relative is in New York.

Andy Croftcheck, 1610 Wyndham, (717)497-6368

Justin Kettering

From: Leon Crone
Sent: Monday, October 26, 2020 8:32 AM
To: Rebecca Davis
Subject: For your MS4 records

to be secure with no obvious signs of entry. Buchanan did not respond & believes there

LA-20-05478	10/25/2020 Sun	LA	DISP	TANR
<u>Location</u>		<u>Times</u>		
1714 HUMMEL AV CAMP HILL PA		Received	2042	Disp
X-STREET: DISTRICT: 1203		Arrived	2115	Clea
Alcohol Related <input type="checkbox"/> Drug R				

Comments:

Title: ORIGINAL NARRATIVE

Collision, non-reportable, in the 1700 block of Hummel Ave. Sarah Moyer struck a curb
leaking oil. Moyer did not want a report for striking the curb she was just concerned ab
Fire Department to respond for the fluid spill. LATFD responded and handled the oil sp

From: Frank Wirth
Sent: Thursday, October 22, 2020 9:24 PM
To: LA_FIRE_MAINTENANCE
Cc: David Holl; Thomas Vernau; Rebecca Davis
Subject: Hydraulic Spill

To all;

Personnel were training this evening on the Truck and the Hydraulic Reservoir for the Aerial overflowed onto the ground in front of the station and into the parking lot before it was noticed. The spill is being cleaned up at this time and absorbent materials will be disposed of properly. No hydraulic Fluid has entered the stormwater system.

I checked the aerial hydraulic fluid overflow and that is the origin of the leak. The Aerial Hydraulic Level is fine for the Truck to remain in service.

Any questions please feel free to contact me.

Frank

Frank Wirth Jr.
Fire Captain
Lower Allen Twp.
Public Safety Department
Office: 717-975-7575 Ext. 1311
Cell: 717-648-6989

Lower Allen Township PD

Incident Report Form

LA-21-01090
03/11/2021
TRAFFIC HAZARD

Primary Officer: **BRADY ZEIDERS - 1868BZ**

<input type="checkbox"/> Juvenile Involved	<input type="checkbox"/> Investigation	<input type="checkbox"/> Video Available	<input type="checkbox"/> Gang Related	<input type="checkbox"/> Paperless
<input type="checkbox"/> Domestic Related	<input type="checkbox"/> Suspects	<input type="checkbox"/> Bias Crime	<input type="checkbox"/> Accident	<input type="checkbox"/> Administrative
<input type="checkbox"/> Alcohol Involved	<input type="checkbox"/> Arrests Made	<input type="checkbox"/> Drugs Involved	<input type="checkbox"/> Ready for DA / Prosecutor	<input type="checkbox"/> Alarm Activated

Log Number LA-21-01090	Incident Number	File Number	Case Number	UCR
Incident Type TRHAZ	Dispatcher	Source DISP	District 1203	Status NONACT

Incident Date / Times						Incident Occurred At or Between							
Date Received 03/11/2021	Day Rec'd Thursday	Rcvd 1401	Disp 1401	Arrv 1415	Clrd 1431	Earliest Date and Time			Latest Date and Time				
Disposition NFPA				Cleared by Exception				<input type="checkbox"/> Suspended					
NO FURTHER POLICE ACTION													
UCR Clearance				UCR Occur Date		UCR Clear Date		UCR Count		UCR Human Traffic Code		UCR HT Count	

Location				<input type="checkbox"/> Intersection			
1298 KINGSLEY RD				Cross Street			
CAMP HILL PA 17011				GPS Loc X		GPS Loc Y	
Premise Code HYRWST				Arson Value			
Weather CLEAR							

Victim:			
Property:			
Area:			
Time of Day:			
Anonymous <input type="checkbox"/> Hangup <input type="checkbox"/> Refused <input type="checkbox"/>			

CODE: CALLER									
Juvenile <input type="checkbox"/>	Date of Birth	Age	Race	Sex	Ethnic	Social Security Number			
Weight	Height	Hair	Eyes	Phone Number (717) 975-5579					
Driver License Number				State	Class	Expiration Date			
ID Provided				ID Detail					

Link Comments

RESPONDING / INVOLVED UNITS, OFFICERS, TIMES			
Division	Supervisor / ID	1806EC	
Unit Number	Officer / ID (Ofcr1 / Ofcr2)	Officer / ID (Ofcr3 / Ofcr4)	
LA6	BRADY ZEIDERS	1868BZ	

18206
Brady Zeiders
Resolved
Eastern Mobile
Wash
Dick Romig
-975.55790
1298 Kingsley Rd

Lower Allen Township PD

Incident Report Form

LA-21-01090
03/11/2021
TRAFFIC HAZARD

COMMENTS / NARRATIVES

Title

ORIGINAL NARRATIVE

Narrative Created By / Creation Date

BRADY ZEIDERS

03/11/2021

Narrative Updated By / Update On

BRADY ZEIDERS

03/11/2021

Narrative Approved By / Approved Date

Traffic hazard at 1298 Kingsley Rd. I received a phone call from the caller, Dick Romic, who stated that a garbage truck had leaked oil all over the roadway. Romic then stated Penn Waste was notified and a cleaning crew was on the way to clean up the oil. I then drove by the scene and observed the oil being cleaned up by Penn Waste. Nothing further.

LA-21-01090

03/11/2021



APPROVED BY:

APPROVED ON:

PAGE 2

From: Tina Thomas
Sent: Thursday, December 31, 2020 9:36 AM
To: Rebecca Davis
Subject: Oil Spill incident 12/31/2020

I received a call from Andy Croftcheck regarding an incident with a car that happened in the evening of 12/30/2020 1612 Wyndham Rd. The owner of the car is now deceased but Mr. Croftcheck reported a large amount of oil coming from the car he had been found in. I requested that a PSO go out and put down absorbent material for the oil but I thought you might want to follow up on the cleanup. If you are willing to speak with the caller, he would appreciate it. His cell number is 717-497-6368. Thanks!!

Tina Thomas
Records Clerk
Lower Allen Twp. Police Department
2233 Gettysburg Road
Camp Hill, PA 17011
717-975-7575 x1504



This email message, including any attachments, is intended for the sole use of the individual(s) and entity(ies) to whom it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended addressee, nor authorized to receive for the intended addressee, you are notified that you may not use, copy, disclose or distribute any information contained in this email message. If you have received this message in error, immediately notify the sender and delete the message.

From: Christopher Trace
Sent: Sunday, October 25, 2020 10:10 PM
To: Rebecca Davis
Subject: Oil Spill Outside - 1714 State Rd

Becky, tonight the LA Fire Department was sent to assist LA Police Department with a fluid spill from an auto accident. The operator of the vehicle missed the driveway at this location and struck the curb, causing the oil pan to break and leak. A sheen was found in the parking lot and ran westbound to the alley. The majority of the oil was found in a large puddle in said alley and running in the northbound direction. A check of the area found zero storm water drains. Unknown how much oil was in the vehicle when this occurred. We contained the product in the parking lot and left oil dry absorbent down due to the parking lot being slippery. We did not have the correct materials to contain what was in the puddle. Just giving you a heads up on this incident. I have no information for the vehicle owner and that can be obtained from LAPD if needed.

Thanks,

Chris Trace
1st Assistant Chief

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #3 – LEAVES



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

January 18, 2021

Richard Rapsey
40 Essex Road
Camp Hill, PA 17011
PIN# 13-23-05555-006

RE: Leaves in the street

Dear Mr. Rapsey,

Lower Allen Township has recently received complaints regarding your leaf placement along Essex Road after our leaf collection program has ended in the Township.

Allowing the leaves in the street prior to leaf collection can cause stormwater inlet grates to become clogged and cause stormwater to back up into the streets causing localized flooding. In addition, the leaves enter the stormwater system and can clog piping underground and cause stormwater to back up into the street.

Please help Lower Allen Township keep our stormwater free of leaf litter. Allowing leaves to build up in the streets can lead to flooding and pollution of our waterways. In addition, allowing the leaves to clog stormwater inlets and enter our stormwater system is a violation of Lower Allen Township's Stormwater Management Ordinance Section 184-37 A, prohibited discharges and connections, as follows:

"Any drain or conveyance, whether on the surface or subsurface, which allows any non-stormwater discharge, including, but not limited to, sewage, process wastewater, wash water, ammonia, chlorine, petroleum products (gasoline, fuel oil, etc.) pesticides, pollutants and other hazardous materials to enter the municipality's separate storm sewer system or to enter the waters of the commonwealth is prohibited. Handling and disposal of all materials and wastes shall comply with all federal and state requirements. Structural and nonstructural BMPs, in accordance with Chapters 5 and 6 of the most current version of the SWM Manual, shall be implemented where necessary to preserve the quality of stormwater runoff."

Placing the leaves in the street after our leaf collection program has ended is also a violation of our sanitation ordinance, Section 180-24.C:

"No person shall dump, bring, deposit or otherwise dispose of leaf waste, yard waste, oversized yard waste, Christmas trees or waste of any kind or nature within the jurisdictional limits of the

Township, except for collection as herein provided or except under express license issued by the Board of Commissioners."

Please remove the leaf piles that are on Essex Road and dispose of properly. Continued violations will result in a Notice of Violation being issued. If you have any questions regarding this correspondence, please feel free to contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,



Rebecca L. Davis
Stormwater Program Manager

From: Mark D'Agostino
Sent: Thursday, June 10, 2021 8:33 AM
To: Rebecca Davis; CSO
Subject: leaves

Not sure who to send this to.

At 3 west shore drive the people have a row of leaves and grass clippings on the street.

Mark D'Agostino
LOWER ALLEN TOWNSHIP
Highway Superintendent

From: Rebecca Davis
Sent: Thursday, June 10, 2021 4:20 PM
To: Mark D'Agostino
Cc: CSO; Bryan Harshbarger; William Yeagley
Subject: Re: leaves

Mark,

I went out to the property this afternoon and all of the leaves and debris were bagged and on the street in front of the property.

On a separate note, I think the street sweeper is still out of commission, but the road had a lot of debris and could use a sweeping when the sweeper is back in business.

Thanks,
Becky

Sent from my iPhone

On Jun 10, 2021, at 8:33 AM, Mark D'Agostino <MDagostino@latwp.org> wrote:

Not sure who to send this to.

At 3 west shore drive the people have a row of leaves and grass clippings on the street.

Mark D'Agostino
LOWER ALLEN TOWNSHIP
Highway Superintendent



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

October 12, 2020

Patricia Snoke
2 Commercial Drive
Camp Hill, PA 17011
PIN# 13-23-0545-222

Dear Ms. Snoke,

Lower Allen Township has recently received complaints regarding your leaf placement along Lowther Road prior to leaf collection beginning in the Township. Leaf collection will **NOT** begin until the week of 10/19/2020. The township website will be updated daily with the streets that will be collected.

Allowing the leaves in the street prior to leaf collection can cause stormwater inlet grates to become clogged and cause stormwater to back up into the streets causing localized flooding. In addition, the leaves enter the stormwater system and can clog piping underground and cause stormwater to back up into the street.

Please help Lower Allen Township keep our stormwater free of leaf litter. Allowing leaves to build up in the streets can lead to flooding and pollution of our waterways. In addition, allowing the leaves to clog stormwater inlets and enter our stormwater system is a violation of Lower Allen Township's Stormwater Management Ordinance. Continued violations will result in a Notice of Violation being issued.

Please remove the leaf piles that are on Lowther Road until leaf collection has begun. If you have any questions regarding this correspondence, please feel free to contact me at rdavis@latwp.org or 717-975-7575 ext. 1010.

Sincerely,

Rebecca L. Davis
Stormwater Program Manager

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #4 – ILLICIT DISCHARGES



CUMBERLAND COUNTY
CONSERVATION DISTRICT

Conserving Natural Resources for Our Future

March 16, 2021

Ronald & Holly Sisti
21 Santa Maria Ave.
Camp Hill PA 17011

**RE: 21 Santa Maria Ave, NPDES PERMIT # N/A
Lower Allen Township, Cumberland County, PA**

Dear Mr. & Mrs. Sisti:

On **March 16, 2021**, representatives of the Cumberland County Conservation District conducted an inspection of earthmoving activities at the above referenced site. A copy of the inspection report is enclosed for your use.

This report is official notification that a representative of the Department of Environmental Protection has conducted an inspection of your earth disturbance activity to determine compliance with Title 25, Chapter 92, National Pollutant Discharge Elimination System, Title 25, Chapter 102, Erosion and Sediment Control, and the Pennsylvania Clean Streams Law. This representative is an employee of the local County Conservation District, which by delegation agreement with the Department of Environmental Protection is authorized to investigate complaints, inspect earth disturbance activities and conduct compliance actions. Any violations observed by the Conservation District have been noted on this report form and constitute unlawful conduct as defined in Section 611 of the Clean Streams Law.

There will be no written confirmation of those violations from the Department. Failure to take corrective actions to resolve the violations may result in administrative, civil and/or criminal penalties being instituted by the Conservation District or the Department of Environmental Protection as defined in Section 602 of the Clean Streams Law of Pennsylvania. The Clean Streams Law provides for up to \$10,000 per day in civil penalties, up to \$10,000 in summary criminal penalties, and up to \$25,000 in misdemeanor criminal penalties for each violation.

This report does not constitute an Order or appealable action of the Conservation District or Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein.

The blocks checked on page 2 of the report references which sections of the laws have been violated. Please submit a written reply to this letter detailing the corrective measures taken or planned to correct the violations referenced above. Your cooperation in resolving these matters is greatly appreciated. If you have any questions regarding this matter please contact me at 717-240-7838.

Sincerely,

Matthew Stough
Conservation Coordinator

cc: Daniel Flint, Lower Allen Twp
Rebecca Davis, Lower Allen MS4
Valerie Marx, PA DEP
District File



Permit No. N/A
Report No. 21-01

EARTH DISTURBANCE INSPECTION REPORT

Project Name 21 Santa Maria Ave. **Inspection Date** 3/16/2021 **Inspection Time** AM

Weather Conditions Overcast **Total Project Area** 0.61 acres

Location 21 Santa Maria Ave, Camp Hill PA **Total Disturbed Area** <5000sqft

Municipality Lower Allen Twp **County** Cumberland

Receiving Water(s) Cedar Run Designated/Existing Use CWF

Responsible Party(s) Ronald & Holly Sisti

(name & address) 21 Santa Maria Avenue

Camp Hill PA 17011

Phone () _____ () _____

Site Representative (name) _____ **Inspector** (name) Matthew Stough

(title) _____ (title) Conservation Coordinator

Type of Inspection (check only one)

Photographs Taken Yes ☒ No ☐

Routine complete ☐ Routine partial ☐ Follow-up ☐ Complaint ☒ Final ☐

Site Description & Observations This inspection is a result of a complaint received by our office. Fill was placed up slope of Cedar Run with no erosion or sedimentation controls between the fill and Cedar Run. [Violations 102.4, 402CSL]
The fill has not been stabilized. [Violations 102.4, 102.22, 402CSL] It appears that fill may have been placed in the floodway. This will be referred to PA DEP. It appears fill may have been placed in the floodplain. This will be referred to Lower Allen Twp. See photo log for pictures.

☐ Continued on page 3 of ____.

Permit and Plan Requirements		Type of Activity (check as many as appropriate)
Y	N	<input checked="" type="checkbox"/> Other Fill placement _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Written Erosion & Sediment Plan required
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Written Post Construction Stormwater Management Plan required
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Erosion & Sediment Plan requested
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Post Construction Stormwater Management Plan requested
<input type="checkbox"/>	<input checked="" type="checkbox"/>	E & S Permit required
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NPDES Permit required
	<input type="checkbox"/>	ESCGP Permit required
	<input type="checkbox"/>	Phased Constr.
	<input type="checkbox"/>	Non-Phased Constr.
Permit #: _____ Exp. Date: _____		<input type="checkbox"/> Pub. Road Constr./Maint. (PRC) <input type="checkbox"/> Pvt. Road/Residence (PRRS) <input type="checkbox"/> Res. Subdivision (RSBD) <input type="checkbox"/> Comm./Indust. Dev. (CMIN) <input type="checkbox"/> Govmt. Facilities (GOV) <input type="checkbox"/> Recreation Facilities (RECF) <input type="checkbox"/> Utilities Facilities (UTL) <input type="checkbox"/> Agricul. Activities (AGA) <input type="checkbox"/> Sewer/Water Systems (SWS) <input type="checkbox"/> Pipeline (PL) <input type="checkbox"/> Remediation/Restoration (RRES) <input type="checkbox"/> Silviculture (SILV)



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

Permit No. N/A
Report No. 21-01

EARTH DISTURBANCE INSPECTION REPORT

Project Name 21 Santa Maria Ave. Inspection Date 3/16/2021 Inspection Time AM

Inspection Findings

Reference

- No violations observed at this time. ☐ (N/A)
- a. Failure to develop a written Erosion and Sediment (E&S) Plan. ☐ (102.4)
 - b. Failure to have an E&S Plan available onsite. ☐ (102.4)
 - c. Failure to submit an E&S Plan as requested. ☐ (102.4)
 - d. Failure to implement effective E&S Best Management Practices (BMPs). ☒ (102.4)
 - e. Failure to maintain effective E&S BMPs. ☐ (102.4)
 - f. Failure to use Antidegradation Best Available Combination of Technologies (ABACT) BMPs for discharges to High Quality or Exceptional Value Waters. ☐ (102.4)
 - g. Failure to obtain an NPDES Permit for Stormwater Discharges Associated with Construction Activities. ☐ (102.5)
 - h. Failure to obtain an E&S Permit. ☐ (102.5)
 - i. Failure to prepare and implement a Preparedness, Prevention, and Contingency (PPC) Plan. ☐ (102.5)
 - j. Failure to submit a Notice of Termination (NOT). ☐ (102.7)
 - k. Failure to develop a written Post Construction Stormwater Management (PCSM) Plan/Restoration Plan. ☐ (102.8)
 - l. Failure to have PCSM Plan/Restoration Plan available onsite. ☐ (102.8)
 - m. Failure to submit PCSM Plan/Restoration Plan as requested. ☐ (102.8)
 - n. Failure to implement effective PCSM BMPs. ☐ (102.8)
 - o. Failure to maintain effective PCSM BMPs. ☐ (102.8)
 - p. Failure to perform reporting and recordkeeping as required. ☐ (102.8)
 - q. Failure to implement riparian buffer or riparian forest buffer. ☐ (102.14)
 - r. Failure to meet regulatory requirements for riparian forest buffer. ☐ (102.14)
 - s. Failure to provide temporary stabilization of the earth disturbance site. ☒ (102.22)
 - t. Failure to provide permanent stabilization of the earth disturbance site. ☒ (102.22)
 - u. Failure to comply with permit conditions. ☐ (402 CSL)
 - v. Sediment or other pollutant was discharged into waters of the Commonwealth. ☐ (401 CSL)
 - w. Site conditions present a potential for pollution to waters of the Commonwealth. ☒ (402 CSL)
 - x. Failure to comply with a Department Order. ☐ (402, 611 CSL)
 - y. Failure to comply with PCSM long-term operation and maintenance requirements. ☐ (102.8)
 - z. Failure to conduct a preconstruction meeting. ☐ (102.5)
 - aa. Failure to provide proof of consultation with the Pennsylvania Natural Heritage Program regarding the presence of a State or Federal threatened or endangered species on a project site requiring a Chapter 102 permit. ☐ (102.6)
 - bb. Failure to withhold a building or other permit or approval from those proposing or conducting earth disturbance activities, which require a Department permit, until the Department or conservation district has approved/acknowledged the Chapter 102 permit. ☐ (102.43)

☒ Inspection of this project has revealed site conditions which constitute violations of 25 Pa. Code Chapters 92a and/or 102 and the Clean Streams Law, the act of June 22, 1937, P.L. 1987, 35 P.S. §691.1 et seq.

Additional information regarding these violations can be found on the back of this page.

Permit No. N/AReport No. 21-01

EARTH DISTURBANCE INSPECTION REPORT

Project Name 21 Santa Maria Ave. Inspection Date 3/16/2021 Inspection Time AM

Continuation Sheet


Site Description & Observations

Compliance Assistance Measures The area of fill should be properly stabilized. Silt sock or silt fence should be place
down slope of the fill area.

Follow-up Inspection will occur on or about (date) 3/30/21

(Signature of Site Representative)

(Date)


(Inspector's Signature)

3/16/21

(Date)

The Site Representatives' signature acknowledges that they have read the report and received a copy and that they were given an opportunity to discuss it with the inspector. The signature does not necessarily mean the signee agrees with the report.

This report is official notification that a representative of the Department of Environmental Protection has conducted an inspection of your earth disturbance activity to determine compliance with Title 25, Chapter 92a, National Pollutant Discharge Elimination System, Title 25, Chapter 102, Erosion and Sediment Control, and the Pennsylvania Clean Streams Law. This representative may be an employee of the local County Conservation District, which by delegation agreement with the Department of Environmental Protection, is authorized to investigate complaints, inspect earth disturbance activities and conduct compliance actions. Any violations observed by the Department/Conservation District have been noted on this report form and constitute unlawful conduct as defined in Section 611 of the Clean Streams Law.

There will be no written confirmation of those violations from the Department. Failure to take corrective actions to resolve the violations may result in administrative, civil and/or criminal penalties being instituted by the Department of Environmental Protection as defined in Section 602 of the Clean Streams Law of Pennsylvania. The Clean Streams Law provides for up to \$10,000 per day in civil penalties, up to \$10,000 in summary criminal penalties, and up to \$25,000 in misdemeanor criminal penalties for each violation.

This report does not constitute an Order or appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein.

For further information or assistance please contact:

Matthew Stough
Cumberland County Conservation District
310 Allen Rd, Suite 301
Carlisle PA 170213
717-240-7838
mstough@ccpa.net



Permit No. N/A

Report No. 21-01

EARTH DISTURBANCE INSPECTION REPORT PHOTO LOG

Project Name 21 Santa Maria Ave. Inspection Date 3/16/21 Inspection Time AM



Looking west. Fill placed next to Cedar Run



Looking south. Fill placed next to Cedar Run

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD
CAMP HILL, PA 17011
717.975.7575

DATE: March 15, 2021

RECIPIENT: Ronald D. Sisti
Holly A. Sisti
21 Santa Maria Avenue
Camp Hill, PA 17011

SUBJECT PROPERTY LOCATION: 21 Santa Maria Avenue, Camp Hill, PA 17011

RECIPIENT STATUS REGARDING SUBJECT PROPERTY: Owner of Record

VIOLATIONS: Code of the Township of Lower Allen as specified below.

LOWER ALLEN TOWNSHIP CODE OF ORDINANCES: There has been construction activity (addition of fill and stones along Cedar Run Creek in the floodplain) at the above referenced property that requires Stormwater, Fill and Excavating and Zoning (specifically Floodplain) review and approvals. See below for descriptions of Lower Allen Township Code of Ordinance sections in violation and remedial information.

Chapter No. 184, as amended, Stormwater Management:

Chapter 184, Section 19 A-D – Erosion and sediment control requirements.

- A. Whenever the vegetation and topography are to be disturbed, such activity must be in conformance with Chapter 102, Title 25, Rules and Regulations, Part I, Commonwealth of Pennsylvania, Department of Environmental Protection, Subpart C, protection of Natural Resources, Article II, Water Resources, Chapter 102, "Erosion Control," and in accordance with the Cumberland County Conservation District (CCCD) and the standards and specifications of the municipality.
- B. No regulated activities shall commence until an erosion and sediment control plan consistent with this chapter is approved by the municipality.
- C. Evidence of any permits required by DEP or CCCD must be provided to the municipality.

- D. Plan review, approval and permitting functions under this section may be delegated by the municipality to another entity, if such agreement is entered into by the municipality.

CORRECTIVE ACTION REQUIRED: Immediately secure the dirt and rock that has been placed within the 100-year floodplain along Cedar Run Creek with silt fence to ensure that there are no discharges to the Cedar Run Creek. An Erosion and Sedimentation plan may be required for the amount of fill brought onto the property and placed within the floodplain and floodway.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT: Any person who shall violate a provision of this Code shall, upon summary conviction thereof, be sentenced to pay a fine of not more than \$500, for each violation, plus court costs and attorney fees. Each day that a violation continues shall constitute a separate offense and shall be punishable accordingly.

RIGHT OF APPEAL: Any person aggrieved by any action of the municipality or its designee, relevant to the provisions of this chapter, may appeal to the municipality within 30 days of that action. You may contact our office for directions on how to do this.

Chapter No. 98, as amended, Filling and Excavating:

Chapter 98, Section 98-2 A & B – Permit for excavation or fill.

It shall be unlawful for any person to make, cause or permit to be made any excavation or fill in the township except in accordance with a permit issued as specified herein; provided, however, that no permit shall be required to fill or excavate:

- A. By the federal government, the Commonwealth of Pennsylvania or any political subdivision thereof.
- B. Where less than **10 cubic yards** of earth or material are moved and no drainage is involved.

CORRECTIVE ACTION REQUIRED: Immediately secure the dirt and rock that has been placed within the 100-year floodplain along Cedar Run Creek with silt fence to ensure that there are no discharges to the Cedar Run Creek. Apply for a fill and excavation permit from the Township within five (5) days upon receipt of this notice.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT: Any person who shall violate any of the provisions of this chapter shall, upon summary conviction, be sentenced to pay a fine of not less than \$100 dollars nor more than \$600 dollars and, in default of payment of said fine, to be imprisoned in Cumberland County Prison, for a period not exceeding 30 days. Each day's violation of any of the provisions of this chapter shall constitute a separate offense.

RIGHT OF APPEAL: Any person aggrieved by any action of the municipality or its designee, relevant to the provisions of this chapter, may appeal to the municipality within 30 days of that action. You may contact our office for directions on how to do this.

Chapter No. 220, as amended, Zoning:

Chapter 220, Section 277.B - Floodplain District Provisions.

B. Under no circumstances shall any use, activity or development adversely affect the capacity of the channels or floodways of any watercourse, drainage ditch or any other drainage facility or system.

Chapter 220, Section 279.B, 1-2 – Administration

B. Zoning permit.

(1) Zoning permit required. A zoning permit shall be required for any use, activity or development, as defined in § **220-277**, exterior structural addition or any substantial improvement or alteration of any building or structure or portion thereof prior to the use or change of use of a building, structure or land or prior to the change or extension of a nonconforming use in the floodplain districts.

(2) Application for zoning permits. Application for a zoning permit shall be made, in duplicate, to the Zoning Officer, on forms furnished by him, and shall include the following where applicable: plans in duplicate drawn to scale, showing the nature, location, dimensions and elevations of the lot; existing or proposed structures, fill, storage of materials and the location of the foregoing in relation to the adjoining river, stream or watercourse, the underlying district, the floodplain district and base flood elevation data; all necessary permits from those governmental agencies from which approval is required by federal or state law

CORRECTIVE ACTION REQUIRED: Immediately secure the dirt and rock that has been placed within the 100-year floodplain along Cedar Run Creek with silt fence to ensure that there are no discharges to the Cedar Run Creek. Contact the Township to discuss applications required for review within five (5) days upon receipt of this notice.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT:

Enforcement remedies. 220-268 C.

(1). Any person, partnership or corporation who or which has violated or permitted the violation of the provisions of this chapter shall, upon being found liable therefor in a civil enforcement proceeding commenced by the Township, pay a judgment of not more than \$500, plus all court costs, including reasonable attorney fees incurred by the Township as a result thereof. No judgment shall commence or be imposed, levied or payable until the date of the determination of a violation by the Magisterial District Judge. If the defendant neither pays nor timely appeals the judgment, the Township may enforce the judgment pursuant to the applicable rules of civil procedure. Each day that a violation continues shall constitute a separate violation, unless the Magisterial District Judge, determining that there has been a violation, further determines that there was a good faith basis for person, partnership or corporation violating this chapter to have believed that there was no such violation, in which event there shall be

deemed to have been only one such violation until the fifth day following the date of the determination of a violation by the Magisterial District Judge, and, thereafter, each day that a violation continues shall constitute a separate violation. All judgments, costs and reasonable attorney fees collected for the violation shall be paid over to Lower Allen Township.

RIGHT OF APPEAL 220-268. A- Violations and Penalties

A.1: When written notice of a violation of any of the provisions of this chapter has been served by the Zoning Officer on the owner, agent or occupant or contractor, such violation shall be discontinued immediately.

A.2: All appeals from determinations by the Zoning Officer under this section shall be made to the Zoning Hearing Board within 30 days of the date of the determination.



Rebecca L. Davis, Stormwater Program Manager
Lower Allen Township
717-975-7575 Ext. 1010
rdavis@latwp.org

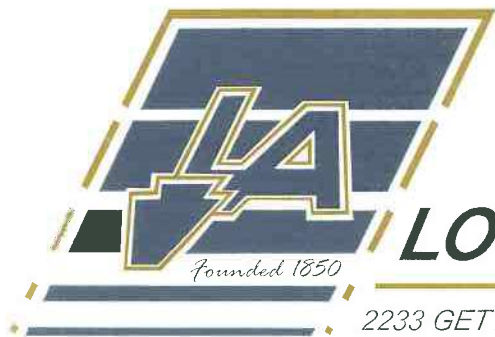




03 16 2021



03 16 2021



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD
CAMP HILL, PA 17011
717.975.7575

DATE: June 4, 2021

RECIPIENT: St. Michael and Mary Inc.
5327 E. Trindle Road
Mechanicsburg, PA 17050-3525

SUBJECT PROPERTY LOCATION: 4191 Gettysburg Road, Mechanicsburg, PA 17055
PIN Identification Number: 13-24-0797-200

RECIPIENT STATUS REGARDING SUBJECT PROPERTY: Owner of record

VIOLATIONS: Raw sewage was observed at 4191 Gettysburg Road in the parking lot next to the mobile home park along Slate Hill Road. There was a sewer lateral that was missing a cap located in the parking lot with raw sewage and toilet paper scattered around the open lateral. Discharges from the parking lot were washed by stormwater into the stormwater inlet at the end of the parking that discharges into Cedar Run Creek. The Code(s) of the Township of Lower Allen that are being violated is specified below.

Chapter No. 184, as amended, Stormwater Management:

Chapter 184, Section 37.A - Prohibited Discharges and connections. Any drain or conveyance, whether on the surface or subsurface, which allows any nonstormwater discharge, including, but not limited to, **sewage**, process wastewater, wash water, ammonia, chlorine, petroleum products (gasoline, fuel oil, etc.) pesticides, pollutants, and other hazardous materials to enter the municipality's separate storm sewer system or to enter the waters of the commonwealth is prohibited. Handling and disposal of all materials and wastes shall comply with all federal and state requirements. Structural and nonstructural BMPs, in accordance with Chapters 5 and 6 of the most current

version of the SWM Manual, shall be implemented where necessary to preserve the quality of stormwater runoff.

CORRECTIVE ACTION REQUIRED: Immediately repair the sewer lateral (s) in the parking lot of 4191 Gettysburg Road and clean up and remove any raw sewage and debris from the parking lot. Protect the stormwater inlet in the parking lot from discharge prior to and while conducting the cleanup process. Contact the Township for an inspection after the repairs are completed. Apply for the necessary permits for repairs from the Lower Allen Township Sewer Authority (717-774-0610).

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT: Any person who shall violate a provision of this Code shall, upon summary conviction thereof, be sentenced to pay a fine of not more than \$500, for each violation, plus court costs and attorney fees. Each day that a violation continues shall constitute a separate offense and shall be punishable accordingly.

RIGHT OF APPEAL: Any person aggrieved by any action of the municipality or its designee, relevant to the provisions of this chapter, may appeal to the municipality within 30 days of that action. You may contact our office for directions on how to do this.



Rebecca L. Davis, Stormwater Program Manager
Lower Allen Township
717-975-7575 Ext. 1010
rdavis@latwp.org



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD
CAMP HILL, PA 17011
717.975.7575

DATE: July 29, 2020

RECIPIENT: Pennsylvania Department of Transportation
901 Ayers Avenue
Lemoyne, PA 17043
Attn: Benjamin Milliken

RECIPIENT ADDRESS: 901 Ayers Avenue, Lemoyne, PA 17043

SUBJECT PROPERTY LOCATION: Slate Hill Road – Along 1213 & 1201 Slate Hill Road in the street.

RECIPIENT STATUS REGARDING SUBJECT PROPERTY: Owner of record – State Road

VIOLATIONS: Code of the Township of Lower Allen as specified below.

Chapter No. 184, as amended, Stormwater Management:

Chapter 184, Section 37.A - Prohibited Discharges and connections. Any drain or conveyance, whether on the surface or subsurface, which allows any nonstormwater discharge, including, but not limited to, sewage, process wastewater, wash water, ammonia, chlorine, petroleum products (gasoline, fuel oil, etc.) pesticides, pollutants and other hazardous materials to enter the municipality's separate storm sewer system or to enter the waters of the commonwealth is prohibited. Handling and disposal of all materials and wastes shall comply with all federal and state requirements. Structural and nonstructural BMPs, in accordance with Chapters 5 and 6 of the most current version of the SWM Manual, shall be implemented where necessary to preserve the quality of stormwater runoff.

CORRECTIVE ACTION REQUIRED: Remove concrete dust and debris in the street in front of 1213 Slate Hill Road and from the stormwater inlet along 1213 Slate Hill Road. Street sweeping may be necessary to remove dust and debris. Protect inlet from discharge while conducting dust removal with an inlet filter. Contact the Township for an inspection after work is completed. Protect stormwater inlet from future illicit discharge when additional construction occurs at the site as indicated in the Pennsylvania One Call No. 2020051618.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT:

Any person who shall violate a provision of this Code shall, upon summary conviction thereof, be sentenced to pay a fine of not more than \$500, for each violation, plus court costs and attorney fees. Each day that a violation continues shall constitute a separate offense and shall be punishable accordingly.

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Rebecca L. Davis, Stormwater Program Manager
Lower Allen Township
717-975-7575 Ext. 1010
rdavis@latwp.org



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD
CAMP HILL, PA 17011
717.975.7575

DATE: July 29, 2020

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Attn: Benjamin Milliken

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Rebecca L. Davis, Stormwater Program Manager
Lower Allen Township
717-975-7575 Ext. 1010
rdavis@latwp.org

From: Rebecca Davis
Sent: Monday, July 27, 2020 3:32 PM
To: Scott Arwood (sarwood@pa.gov); Benham, Michael
Subject: Penndot
Attachments: [IMG_2524.jpg](#); [IMG_2525.jpg](#); [IMG_2526.jpg](#)

Hello Scott and Michael,
PennDOT is performing work on OLD Slate Hill Road in Lower Allen Township. They sawcut the road in order to replace a stormwater pipe.

The attached pictures show what was left on the road and also what entered the storm drain system.

Can you explain how this could be in compliance with their MS4 Permit?
Thank you,
Becky

Rebecca L. Davis
Stormwater Program Manager
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011
Office: (717) 975-7575 Ext. 1010
Fax: (717) 737-4182
rdavis@latwp.org
<http://www.latwp.org>

From: Benham, Michael <mbenham@pa.gov>
Sent: Monday, July 27, 2020 3:44 PM
To: Arwood, Scott
Cc: Rebecca Davis; Wriglesworth, Sarah
Subject: RE: [External] Penndot

Scott,
I spoke with Rebecca a few minutes ago.
She will cc us on a letter that (LATWP) will send to PennDot.
I would like to discuss this with you in the morning concerning PennDOT having their own MS4 and a way forward.

Thank you
Michael

-----Original Message-----

From: Rebecca Davis <RDavis@latwp.org>
Sent: Monday, July 27, 2020 3:32 PM
To: Arwood, Scott <sarwood@pa.gov>; Benham, Michael <mbenham@pa.gov>
Subject: [External] Penndot

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.

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<https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.latwp.org%2F&data=02%7C01%7Cmbenham%40pa.gov%7C0553d7b14cd041c288ef08d83263bf17%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C637314751322491069&sdata=cPJfj0Necb23YynZqj%2BI%2FFY5VhHTFwwGNH2n01jaxGQ%3D&reserved=0>

From: Arwood, Scott <sarwood@pa.gov>
Sent: Tuesday, July 28, 2020 9:06 AM
To: Rebecca Davis; Benham, Michael
Cc: Wriglesworth, Sarah
Subject: RE: [External] Penndot

Thanks Becky. Do you know if it was PennDOT personnel or a contractor?

-----Original Message-----

From: Rebecca Davis <RDavis@latwp.org>
Sent: Monday, July 27, 2020 3:52 PM
To: Arwood, Scott <sarwood@pa.gov>; Benham, Michael <mbenham@pa.gov>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] Penndot

Scott,
The road is a state road and the inlet is owned by them, but then it co-mingles with our system.
Thanks,
Becky

-----Original Message-----

From: Arwood, Scott <sarwood@pa.gov>
Sent: Monday, July 27, 2020 3:48 PM
To: Benham, Michael <mbenham@pa.gov>
Cc: Rebecca Davis <RDavis@latwp.org>; Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] Penndot

Thanks.
Are we clear if this is PennDot's system (going from the roadway directly to a surface water), or is it comingled with the township's system?

-----Original Message-----

From: Benham, Michael <mbenham@pa.gov>
Sent: Monday, July 27, 2020 3:44 PM
To: Arwood, Scott <sarwood@pa.gov>
Cc: Rebecca Davis <RDavis@latwp.org>; Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] Penndot

Scott,
I spoke with Rebecca a few minutes ago.
She will cc us on a letter that (LATWP) will send to PennDot.
I would like to discuss this with you in the morning concerning PennDOT having their own MS4 and a way forward.

Thank you
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From: Rebecca Davis <RDavis@latwp.org>

Sent: Monday, July 27, 2020 3:32 PM

To: Arwood, Scott <sarwood@pa.gov>; Benham, Michael <mhenham@pa.gov>

Subject: [External] Penndot

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Hello Scott and Michael,
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The attached pictures show what was left on the road and also what entered the storm drain system.

Can you explain how this could be in compliance with their MS4 Permit?

Thank you,

Becky

Rebecca L. Davis

Stormwater Program Manager

Lower Allen Township

2233 Gettysburg Road

Camp Hill, PA 17011

Office: (717) 975-7575 Ext. 1010

Fax: (717) 737-4182

rdavis@latwp.org

<https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.latwp.org%2F&data=02%7C01%7Csarwood%40pa.gov%7Cc9c01b27f9e144cb5a8508d832667a14%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C637314763007532560&sdata=X8O5FFqjFG5TtxyFUI1S7ddGDagIAICeCGk3lu8Yn0k%3D&reserved=0>

From: Arwood, Scott <sarwood@pa.gov>
Sent: Tuesday, July 28, 2020 2:11 PM
To: Rebecca Davis; Benham, Michael
Cc: Wriglesworth, Sarah
Subject: Re: [External] Penndot

Ok good. I sent the pictures to Rich Heineman at PennDOT, storm water section manager. He is looking into it.

Scott M. Arwood, P.E. | Environmental Engineer Manager
Department of Environmental Protection | Clean Water Program
Southcentral Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110
Phone: 717.783.0368 | Fax: 717.705.4760

From: Rebecca Davis <RDavis@latwp.org>
Sent: Tuesday, July 28, 2020 12:16:37 PM
To: Arwood, Scott <sarwood@pa.gov>; Benham, Michael <mbenham@pa.gov>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] Penndot

Scott,
It was PennDOT personnel. I spoke with Benjamin Milliken with PennDOT and he stated someone would be out today to clean up the dust and sweep the street.

I'll let you know.
Thank you,
Becky

Rebecca L. Davis
Stormwater Program Manager
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011
Office: (717) 975-7575 Ext. 1010
Fax: (717) 737-4182

rdavis@latwp.org
<https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.latwp.org%2F&data=02%7C01%7Csarwood%40pa.gov%7C0e3fc80be0f045e22dd908d833119c88%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C637315498021398292&data=Q%2B39SFsd9tAxyz5Dh%2BvH8N9NhLgNSdHzOB22%2BjFHe9Y%3D&reserved=0>

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Subject: RE: [External] Penndot

Thanks.
Are we clear if this is PennDot's system (going from the roadway directly to a surface water), or is it comingled with the township's system?

-----Original Message-----

From: Benham, Michael <mbenham@pa.gov>
Sent: Monday, July 27, 2020 3:44 PM
To: Arwood, Scott <sarwood@pa.gov>
Cc: Rebecca Davis <RDavis@latwp.org>; Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] Penndot

Scott,
I spoke with Rebecca a few minutes ago.
She will cc us on a letter that (LATWP) will send to PennDot.
I would like to discuss this with you in the morning concerning PennDOT having their own MS4 and a way forward.

Thank you
Michael

-----Original Message-----

From: Rebecca Davis <RDavis@latwp.org>
Sent: Monday, July 27, 2020 3:32 PM
To: Arwood, Scott <sarwood@pa.gov>; Benham, Michael <mberham@pa.gov>
Subject: [External] Penndot

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.

Hello Scott and Michael,
PennDOT is performing work on OLD Slate Hill Road in Lower Allen Township. They sawcut the road in order to replace a stormwater pipe.

The attached pictures show what was left on the road and also what entered the storm drain system.

Can you explain how this could be in compliance with their MS4 Permit?
Thank you,
Becky

Rebecca L. Davis
Stormwater Program Manager
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011
Office: (717) 975-7575 Ext. 1010
Fax: (717) 737-4182

rdavis@latwp.org

<https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.latwp.org%2F&data=02%7C01%7Csarwood%40pa.gov%7C0e3fc80be0f045e22dd908d833119c88%7C418e284101284dd59b6c47fc5a9a1bde%7C0%7C0%7C637315498021398292&data=Q%2B39SFsd9tAxyz5Dh%2BvH8N9NhLgNSdHzOB22%2BjFHe9Y%3D&reserved=0>

From: Arwood, Scott <sarwood@pa.gov>
Sent: Wednesday, July 29, 2020 8:36 AM
To: Rebecca Davis
Cc: Heineman, Richard E
Subject: RE: [External] Penndot

Hi Becky,

I am not sure if it would be Rich or a district person. Copying Rich on this email.

Scott M. Arwood, P.E. | Environmental Engineer Manager
Department of Environmental Protection | Clean Water Program
Southcentral Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110
Phone: 717.783.0368 | Fax: 717.705.4760
www.dep.pa.gov

The 24-hour toll free Emergency Response number for SCRO: 1-800-541-2050.

From: Rebecca Davis <RDavis@latwp.org>
Sent: Tuesday, July 28, 2020 3:19 PM
To: Arwood, Scott <sarwood@pa.gov>
Subject: RE: [External] Penndot

Ok thank you.

Is that who I should direct my written communication to as well?
Becky

Rebecca L. Davis
Stormwater Program Manager
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011
Office: (717) 975-7575 Ext. 1010
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<http://www.latwp.org>

From: Arwood, Scott <sarwood@pa.gov>
Sent: Tuesday, July 28, 2020 2:11 PM
To: Rebecca Davis <RDavis@latwp.org>; Benham, Michael <mbenham@pa.gov>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: Re: [External] Penndot

Ok good. I sent the pictures to Rich Heineman at PennDOT, storm water section manager. He is looking into it.

Scott M. Arwood, P.E. | Environmental Engineer Manager
Department of Environmental Protection | Clean Water Program
Southcentral Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110
Phone: 717.783.0368 | Fax: 717.705.4760

From: Rebecca Davis <RDavis@latwp.org>
Sent: Tuesday, July 28, 2020 12:16:37 PM
To: Arwood, Scott <sarwood@pa.gov>; Benham, Michael <mbenham@pa.gov>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] Penndot

Scott,
It was PennDOT personnel. I spoke with Benjamin Milliken with PennDOT and he stated someone would be out today to clean up the dust and sweep the street.

I'll let you know.
Thank you,
Becky

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From: Heineman, Richard E <rheineman@pa.gov>
Sent: Wednesday, July 29, 2020 9:27 AM
To: Arwood, Scott; Rebecca Davis
Subject: RE: [External] Penndot

Scott,

For right now Becky can include me in any written communication but it may be someone in the district in the future. If that contact person would change I would let both of you know.

Thanks
Rich

Richard E. Heineman | Section Manager
Pennsylvania Department of Transportation | Bureau of Maintenance and Operations
Stormwater Section
400 North Street, 6th Floor | Harrisburg PA 17105
Phone: 717.787.0459
www.penndot.gov

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Thank you,
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Rebecca L. Davis

rdavis@latwp.org

From: Arwood, Scott <sarwood@pa.gov>
Sent: Monday, July 27, 2020 3:48 PM
To: Benham, Michael
Cc: Rebecca Davis; Wriglesworth, Sarah
Subject: RE: [External] Penndot

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Subject: RE: [External] Penndot

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She will cc us on a letter that (LATWP) will send to PennDot.

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Subject: [External] Penndot

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Thank you,
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From: Stough, Matthew <mstough@ccpa.net>
Sent: Tuesday, July 28, 2020 7:31 AM
To: Rebecca Davis
Subject: RE: Penndot

Thanks for the heads up.

Matthew Stough, CPESC
Conservation Coordinator
Cumberland County Conservation District
310 Allen Road, Suite 301
Carlisle PA 17013
Tel (717)240-7838
Fax (717)240-7813
mstough@ccpa.net
www.cumberlandcd.com

-----Original Message-----

From: Rebecca Davis [<mailto:RDavis@latwp.org>]
Sent: Monday, July 27, 2020 3:46 PM
To: Stough, Matthew
Subject: FW: Penndot

*** IMTO Security Warning ***

The following is an external email. Please exercise caution before viewing attachments, clicking links or responding.

Hello Matt,
I wanted to forward this to you for your information. I sent this to PADEP today as well. I will be sending PennDOT a letter regarding the illicit discharge.

Let me know if you have any questions.
Thank you,
Becky

-----Original Message-----

From: Rebecca Davis
Sent: Monday, July 27, 2020 3:32 PM
To: Scott Arwood (sarwood@pa.gov) <sarwood@pa.gov>; Benham, Michael <mbenham@pa.gov>
Subject: Penndot

Hello Scott and Michael,
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The information in this message may be privileged and confidential and protected from disclosure. If the reader of this message is neither the intended recipient, nor an employee or agent responsible for delivering this message to the intended recipient, then you are hereby notified that any dissemination, distribution, unauthorized use, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to this message and deleting it from your computer. Thank you, Cumberland County, PA.









From: Maggie Warner
Sent: Thursday, June 10, 2021 1:50 PM
To: John Eby; Rebecca Davis; Brad McCullough
Subject: FW: Notice Of Violation : 212 Creekwood Dr. Camp Hill, PA
Attachments: [20210610_071910.jpg](#); [20210610_071914.jpg](#)

From: Charles LaFountain <charles.lafountain@gmail.com>
Sent: Thursday, June 10, 2021 8:37 AM
To: Maggie Warner <MWarner@latwp.org>
Cc: Stephy <stephanie.franklin82@gmail.com>
Subject: Notice Of Violation : 212 Creekwood Dr. Camp Hill, PA

Hello,

Please reference the attached photos showing that the pool is drained and disassembled. At this point in time we will be looking at getting the property surveyed to determine if the location is in the flood fringe area, before applying for a permit. Is my understanding correct that if it is Not in the "fringe" but rather in the flood way there is no chance at all for putting a pool in?

Would you have any recommendations for who does the survey, and I'm sorry but I am still uncertain on what I would need to request from an engineer? (Could you please explain it once more 😊). Also, would this be the township engineer (i was told there is a township engineer.. no idea though...).

Anyhow, thanks again for your help and taking the time to explain this to me.

Thank you,
Charles LaFountain
(717)525-0545

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD
CAMP HILL, PA 17011
717.975.7575

DATE: July 13, 2020

RECIPIENT: Zelei, Ferenc, J.
18 Columbia Drive
Camp Hill, PA 17011

RECIPIENT ADDRESS: 18 Columbia Drive, Camp Hill, PA 17011

SUBJECT PROPERTY LOCATION: 18 Columbia Drive, Camp Hill, PA 17011
Cumberland County PIN 13-23-0547-565

RECIPIENT STATUS REGARDING SUBJECT PROPERTY: Owner of record

VIOLATIONS: Code of the Township of Lower Allen as specified below.

Chapter No. 184, as amended, Stormwater Management:

Chapter 184, Section 37.A - Prohibited Discharges and connections. Any drain or conveyance, whether on the surface or subsurface, which allows any nonstormwater discharge, including, but not limited to, sewage, process wastewater, wash water, ammonia, chlorine, petroleum products (gasoline, fuel oil, etc.) pesticides, pollutants and other hazardous materials to enter the municipality's separate storm sewer system or to enter the waters of the commonwealth is prohibited. Handling and disposal of all materials and wastes shall comply with all federal and state requirements. Structural and nonstructural BMPs, in accordance with Chapters 5 and 6 of the most current version of the SWM Manual, shall be implemented where necessary to preserve the quality of stormwater runoff.

CORRECTIVE ACTION REQUIRED: Do not discharge pool water into the Township road or right of way. Additional occurrence will result in a citation being filed with the District Justice.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT: Any person who shall violate a provision of this Code shall, upon summary conviction thereof, be sentenced to pay a fine of not more than \$500, for each violation, plus court costs and attorney fees. Each day that a violation continues shall constitute a separate offense and shall be punishable accordingly.

RIGHT OF APPEAL: Any person aggrieved by any action of the municipality or its designee, relevant to the provisions of this chapter, may appeal to the municipality within 30 days of that action. You may contact our office for directions on how to do this.



Rebecca L. Davis, Stormwater Program Manager
Lower Allen Township



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

June 22, 2021

West Shore School District
507 Fishing Creek Road
P.O. Box 803
New Cumberland, PA 17070 – 0803

Re: Illicit Discharge – Mud
1225 Rossmoyne Road, Parcel ID # 13-26-0247-036EX

To Whom it May Concern,

Personnel from the Township verified that stormwater runoff from your construction site containing silt and mud was infiltrating nearby stormwater inlets on Rossmoyne Road. This will result in a prohibited discharge entering the stormwater system of Lower Allen Township as defined in the Lower Allen Township Stormwater Management Ordinance, Chapter 184, as adopted.

This is an informative letter to explain the environmental damage that sediment runoff can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Please be mindful of the runoff from your construction area. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV).

If you have questions regarding this correspondence, please feel free contact me at bthompson@latwp.org or 717-975-7575 ext. 1115.

Respectfully,

Bryce P. Thompson
Stormwater Inspector



June 21, 2021

Omar Pena
2204 Gettysburg Road – Rear
Camp Hill, PA 17011 - 7301

Re: The Box Car Wash
2232 Gettysburg Road, Tax ID #13-23-0549-008

Dear Mr. Pena,

Lower Allen Township has received complaints about detailing towels blowing off your property and onto surrounding stormwater inlets, causing them to flood. Recent site visits by Township staff have confirmed various locations of detailing towels from your property.

This is an informative letter to explain the environmental damage that blocked stormwater inlets can have on the stormwater and stormwater system in Lower Allen Township, Cedar Run and Yellow Breeches Watershed, and ultimately the Chesapeake Bay.

Blocked stormwater inlets continue to be a big problem in the Township. While most residents are conscientious about keeping inlets clear of debris, others continue to ignore this. Blockages in storm drains can subsequently lead to flooding and releases harmful chemicals into our stormwater system and watershed.

Please be mindful of your detailing towels and secure them from blowing off your property and onto stormwater inlets. If the Township continues to receive complaints regarding this matter and the complaints are validated, we will follow this letter with an official notice of violation (NOV). If you have questions regarding this correspondence, please feel free contact me at bthompson@latwp.org or 717-975-7575 ext. 1115.

Sincerely,



Bryce Thompson
Stormwater Inspector

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #5 – PA AMERICAN WATER LINE BREAKS

From: John Eby
Sent: Tuesday, July 14, 2020 9:34 AM
To: Rebecca Davis
Cc: Daniel Flint; Glenn MaGatz; Bryan Harshbarger
Subject: Cedar Run impairment report--active high turbidity event

I just received a phone call from YBWA President Brook Lenker who reported seeing very cloudy "chocolate milk" impairment. He observed at Creek Road bridge.

Brook said he was going to call DEP hotline and take water samples. Is anyone available to check on this problem ASAP?

CHLORINATED WATER DISCHARGE – INCIDENT REPORT FORM

Cause and Source of Chlorinated Water Release and Discharge		
Planned Release Incident during: <input type="checkbox"/> Main flushing <input type="checkbox"/> Hydrant flushing/testing <input type="checkbox"/> Facility Disinfection <input type="checkbox"/> Storage/Distribution system maintenance/repair: _____ <input type="checkbox"/> Other: _____ Date of planned release notification to DEP: _____		
Unplanned Release: <input checked="" type="checkbox"/> Water main break/leak <input type="checkbox"/> Emergency flushing <input type="checkbox"/> Broken/sheared hydrant <input type="checkbox"/> Tank Overflow <input type="checkbox"/> Other: _____		
Location of release, including: ID of water facility, hydrant #, facility or main name & address): 12 Citadel Dr, Lower Allen Township, PA 17011		
Water System Owner/Name or Property owner: PAAW For public water supplies, PWS ID#: 7210029		
Name, title, and phone number of individual filing report: Jeff Horton, Supervisor of Field Ops, 717-673-7771		
Incident Information		
Date of incident: 7/14/2020	Municipality: Lower Allen Twp County: Dauphin	Name of Receiving Water/Stream: Unknown
Start time of discharge: 7:30am <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Actual	End time of discharge: 10:45am	Volume of discharge, gals: 100gpm <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Measured
Date and time incident reported to DEP: 7/14/2020 8:50 am Name of person who reported the incident to DEP: Jeff Horton		
The chlorinated water release discharged into the surface water or stream: <input type="checkbox"/> directly <input checked="" type="checkbox"/> through a storm sewer <input type="checkbox"/> as sheet flow over land <input type="checkbox"/> through a swale <input type="checkbox"/> other: _____		
Location (point) of discharge to stream: Unknown		
Did incident occur within a municipal separate storm sewer system (MS4)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Was the chlorine residual measured at the point of release [discharge]? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No See Comments If yes: <input type="checkbox"/> Free Chlorine <input checked="" type="checkbox"/> Total Residual Chlorine Result: 0 mg/L		
Were dechlorination procedures initiated by the first responder to the incident? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe the procedure used; if no, explain: Per PAAW - DEP Approved SOP		
Was the dechlorination process monitored throughout the discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe; if no, explain: Maintain Dechlor Mats		
Was an assessment conducted to evaluate the impact on the receiving stream? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe observations; if no, explain why an assessment was not completed: Date and time of assessment:		
Were dead fish or other aquatic life impacts observed? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, was the PA Fish & Boat Commission notified? <input type="checkbox"/> Yes <input type="checkbox"/> No Date and time of notification:		
Additional comments or observations: An accurate Chlorine residual could not be taken due to muddy water Silt sock was used when dewatering the trench excavation		

Important: Contact information to report incidents is located on the back of this form.

From: Benham, Michael <mbenham@pa.gov>
Sent: Wednesday, July 15, 2020 6:45 AM
To: Rebecca Davis
Cc: Benham, Michael
Subject: FW: [External] Dep Notification for Water main break 7/14/2020 - 12 Citadel Dr
Attachments: [DEP NOTIFICATION FORM - Main Break - 12 Citadel Dr.pdf](#)

Rebecca,
The report from Jeff Horton on the water main break at 12 Citadel Drive.
The County block has Dauphin listed but we know it was Cumberland County.

Michael

From: Jeff Horton <Jeff.Horton@amwater.com>
Sent: Tuesday, July 14, 2020 4:47 PM
To: Benham, Michael <mbenham@pa.gov>
Cc: Jon Prawdzik <Jon.Prawdzik@amwater.com>; Cody Cutler <Cody.Cutler@amwater.com>; Joseph J Luta <Joseph.Luta@amwater.com>
Subject: [External] Dep Notification for Water main break 7/14/2020 - 12 Citadel Dr

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Michael,

Attached is the form for the water main break on Citadel Dr, Lower Allen Township.

Please let me know if you have any questions.

Thank you,

Jeff Horton
Supervisor Field Operations, Central PA Operations
Pennsylvania American Water
852 Wesley Drive,
Mechanicsburg, PA 17055
Office: 717-550-1510
Cell: 717-673-7771
Jeff.Horton@amwater.com
American Water Home Page:
www.amwater.com
Pennsylvania American Water Home Page:
<https://amwater.com/paaw/>

addressed. If you have received this email in error, please notify the sender. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of American Water Works Company Inc. or its affiliates. The recipient should check this email and any attachments for the presence of viruses. American Water accepts no liability for any damages caused by any virus transmitted by this email. American Water Works Company Inc., 1 Water Street, Camden, NJ 08102 www.amwater.com

From: Benham, Michael <mbenham@pa.gov>
Sent: Tuesday, July 14, 2020 3:02 PM
To: Rebecca Davis
Cc: Benham, Michael
Subject: MS4 information

Rebecca,

Thank you for helping to tie the water main break to our complaint call concerning Cedar Run Creek. Here is my contact information for future reference.

Michael

In order to prevent the further spread of COVID-19, all Commonwealth offices will remain closed even though the county where my office is located has moved into the yellow phase. In the meantime, I will be working remotely to continue the mission of the Pennsylvania Department of Environmental Protection and frequently retrieving emails. Thank you for your patience. For more information on COVID-19, please visit the [PA Department of Health page](#).

Michael Lee Benham | Water Quality Specialist
Clean Water Program
Department of Environmental Protection
909 Elmerton Avenue | Harrisburg, PA 17110
***Phone: 717.503.6264 | Fax: 717.705.4760
mbenham@pa.gov Website: www.dep.pa.gov
24-hour Environmental Emergency Response Number: 800-541-2050

PRIVILEGED AND CONFIDENTIAL COMMUNICATION

The information transmitted is intended only for the person or entity to whom it is addressed and may contain confidential and/or privileged material. Any use of this information other than by the intended recipient is prohibited. If you receive this message in error, please send a reply e-mail to the sender and delete the material from any and all computers. Unintended transmissions shall not constitute waiver of the attorney-client or any other privilege.

MEMORANDUM

***LOWER ALLEN TOWNSHIP
COMMUNITY DEVELOPMENT DEPARTMENT
2233 GETTYSBURG ROAD CAMP HILL, PA. 17011
(717)975-7575 FAX (717)731-4182
e-mail: rdavis@latwp.org***

TO: MS4 File

**FROM: Rebecca L. Davis
Stormwater Program Manager**

CC: Daniel J. Flint, P.E., NPSE, Township Engineer/Public Works Director

DATE: 7/14/2020

SUBJECT: PA American Water Company water line break – Citadel Drive

A report of a muddy water in the Cedar Run Creek near the bridge on Creek Road came into the Township at 10:00 AM on July 14, 2020. A site visit by John Eby, Building and Zoning Coordinator at Lower Allen Township, to the bridge indicated that the water was muddy and had a high level of turbidity. Tracing back the outfall through the MS4 mapping took him to Citadel Drive and there was evidence that a water line had broken during a paving project that was occurring. Upon arrival the water company had placed dichlorination tablets on the inlet at 12 Citadel Drive. Pictures were taken and are attached to this report. Rebecca Davis contacted PADEP to inform them of the incident. The Township provided PA American Water Company written notice in May of 2019 of our paving project in order to plan for aging infrastructure

repair and/or replacement. A copy of the notice is attached to this report. There was no evidence of filter sock or a filter bag at the site upon staff arrival.

Citadel Drive – Muddy water on street



Inlet at 12 Citadel Drive – PA American Water company placed dechlorination tablets on the inlet.



Outfall at Cedar Run Creek – at the Creek Road Bridge.



Please feel free to contact me at dflint@latwp.org or 717-975-7575 ext. 1101 with any questions. Your cooperation in coordinating work within the public rights-of-way is appreciated.

From: Benham, Michael <mbenham@pa.gov>
Sent: Wednesday, July 15, 2020 8:28 AM
To: Rebecca Davis
Subject: RE: [External] PA American Water Line Break

Rebecca,

I am writing a report on the Complaint we received concerning Dear Run Creek. Could you provide the picture you have for the Water Main Break?

Thank you,
Michael

From: Rebecca Davis <RDavis@latwp.org>
Sent: Tuesday, July 14, 2020 3:34 PM
To: Landis, Victor <vlandis@pa.gov>; Arwood, Scott <sarwood@pa.gov>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>; Benham, Michael <mbenham@pa.gov>
Subject: RE: [External] PA American Water Line Break

Hello,

I just spoke to Michael Benham with the Department and I am copying him on this email.

Lower Allen Township is documenting the incident and has pictures of the outfall where the inlet on Citadel Drive discharged to. The outfall discharges directly to the Cedar Run, which is a tributary to the Yellow Breeches Creek.

The Township received a complaint, as well as Mr. Benham, that the Cedar Run had a muddy appearance.

I am not aware if the water company utilized any type of silt sock or filter to mitigate on site. At the time of our arrival the water was shut off and chlorine tablets were on the inlet. No sock was observed.

Thank you,
Rebecca

Rebecca L. Davis
Stormwater Program Manager
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011
Office: (717) 975-7575 Ext. 1010
Fax: (717) 737-4182
rdavis@latwp.org
<http://www.latwp.org>

From: Landis, Victor <vlandis@pa.gov>
Sent: Tuesday, July 14, 2020 2:56 PM
To: Arwood, Scott <sarwood@pa.gov>; Rebecca Davis <RDavis@latwp.org>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>
Subject: RE: [External] PA American Water Line Break

All,

We generally get the chlorinated discharge report from PA American. Lower Allen doesn't need to submit one as long as they document the incident according to the MS4 permit.

Victor H. Landis | Environmental Group Manager
Department of Environmental Protection
Southcentral Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110
Phone: 717.705.4772 | Fax: 717.705.4760
www.depweb.state.pa.us

24-hour toll free Emergency Response number for SCRO: 1-800-541-2050.

From: Arwood, Scott <sarwood@pa.gov>
Sent: Tuesday, July 14, 2020 2:34 PM
To: Rebecca Davis <RDavis@latwp.org>
Cc: Landis, Victor <vlandis@pa.gov>
Subject: RE: [External] PA American Water Line Break

Hi Becky, nothing else is required on the MS4 permit side, other than keeping a record in your files.

Copying operations chief Victor Landis to see if anything is required on his end.

Scott M. Arwood, P.E. | Environmental Engineer Manager
Department of Environmental Protection | Clean Water Program
Southcentral Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110
Phone: 717.783.0368 | Fax: 717.705.4760
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Sent: Tuesday, July 14, 2020 1:27 PM
To: Arwood, Scott <sarwood@pa.gov>
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Good Afternoon Scott,
I hope that you are staying well and safe.

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Pennsylvania American Water company came out and placed dichlorination tablets on the inlet that the water was discharging to. I have pictures and documentation.

Does the department require anything additional from Lower Allen Township?

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From: Benham, Michael <mbenham@pa.gov>
Sent: Wednesday, July 15, 2020 8:46 AM
To: Rebecca Davis
Subject: RE: [External] PA American Water Line Break

Rebecca,
I did mean Cedar Run Creek, but it is very dear to me.
Thank you for the pictures. I will likely include them in the report.
Michael

From: Rebecca Davis <RDavis@latwp.org>
Sent: Wednesday, July 15, 2020 8:33 AM
To: Benham, Michael <mbenham@pa.gov>
Subject: RE: [External] PA American Water Line Break

Hello Michael,
Do you mean Cedar Run Creek?

I have pictures of mud in the street as well as the outfall discharge point.

I am attaching both.
Thank you,
Rebecca

Rebecca L. Davis
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Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011
Office: (717) 975-7575 Ext. 1010
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rdavis@latwp.org
<http://www.latwp.org>

From: Benham, Michael <mbenham@pa.gov>
Sent: Wednesday, July 15, 2020 8:28 AM
To: Rebecca Davis <RDavis@latwp.org>
Subject: RE: [External] PA American Water Line Break

Rebecca,
I am writing a report on the Complaint we received concerning Dear Run Creek. Could you provide the picture you have for the Water Main Break?

Thank you,
Michael

From: Rebecca Davis <RDavis@latwp.org>
Sent: Tuesday, July 14, 2020 3:34 PM
To: Landis, Victor <vlandis@pa.gov>; Arwood, Scott <sarwood@pa.gov>
Cc: Wriglesworth, Sarah <swrigleswo@pa.gov>; Benham, Michael <mbenham@pa.gov>
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From: John Eby
Sent: Tuesday, July 14, 2020 10:41 AM
To: Rebecca Davis
Subject: RE: Cedar Run impairment report--active high turbidity event

Sorry, we were on opposite sides of a street being paved and just shouted at one another briefly.

From: Rebecca Davis <RDavis@latwp.org>
Sent: Tuesday, July 14, 2020 10:30 AM
To: John Eby <JEby@latwp.org>
Subject: Re: Cedar Run impairment report--active high turbidity event

John,
Can you provide the name of the individual you spoke to at PAWC?

I'm still in the department head meeting.
Thanks,
Becky

Sent from my iPhone

On Jul 14, 2020, at 10:06 AM, John Eby <JEby@latwp.org> wrote:

Source is PAW main break on Citadel flowing to Cedar Run via Clemson/Creek Road. PAW crew member said they are putting "pills" in upstream drain to deactivate chlorine

Sent from my iPhone

On Jul 14, 2020, at 9:34 AM, John Eby <JEby@latwp.org> wrote:

I just received a phone call from YBWA President Brook Lenker who reported seeing very cloudy "chocolate milk" impairment. He observed at Creek Road bridge.

Brook said he was going to call DEP hotline and take water samples. Is anyone available to check on this problem ASAP?



Notifications for Chlorinated Water Discharge

Southcentral PA Systems

PWSID

MECH: 7210029

Lake Heritage: 7010035

Hershey: 7220017

pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



PA DEP: **800-541-2050**

PA DEP FAX: (717) 705-4760

Lake Heritage does not have MS4,
Mechanicsburg and Hershey areas do.



PA FISH & BOAT: (717) 486-7087

PA FISH & BOAT FAX: (717) 486-8227

When you call DEP, this is for Clean
Water Act Reporting

Immediately CALL PA DEP and PA Fish & Boat
Commission whenever chlorinated water is confirmed
to reach a waterway or catch basin. FAX "Water Line
Break Incident Report Form" to both PA DEP and PA
Fish & Boat Commission.

CHLORINATED WATER DISCHARGE – INCIDENT REPORT FORM

Cause and Source of Chlorinated Water Release and Discharge		
Planned Release Incident during: <input type="checkbox"/> Main flushing <input type="checkbox"/> Hydrant flushing/testing <input type="checkbox"/> Facility Disinfection <input type="checkbox"/> Storage/Distribution system maintenance/repair: _____ <input type="checkbox"/> Other: _____ Date of planned release notification to DEP: _____		
Unplanned Release: <input checked="" type="checkbox"/> Water main break/leak <input type="checkbox"/> Emergency flushing <input type="checkbox"/> Broken/sheared hydrant <input type="checkbox"/> Tank Overflow <input type="checkbox"/> Other: _____		
Location of release, including: ID of water facility, hydrant #, facility or main name & address): 141 Limestone Dr, Camp Hill, PA 17011		
Water System Owner/Name or Property owner: For public water supplies, PWS ID#: Pennsylvania American Water PWSID 7210029		
Name, title, and phone number of individual filing report: Angela Marcus, Field Ops Supervisor 717-480-1732		
Incident Information		
Date of incident: 12/06/2020	Municipality: Lower Allen Twp County: Cumberland County	Name of Receiving Water/Stream: unknown
Start time of discharge: <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Actual	End time of discharge: 11:00 AM & 6:00pm	Volume of discharge, gals: 600-800 <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Measured
Date and time incident reported to DEP: 12/06/2020 9:30 am Name of person who reported the incident to DEP: Angela Marcus		
The chlorinated water release discharged into the surface water or stream: <input type="checkbox"/> directly <input checked="" type="checkbox"/> through a storm sewer <input type="checkbox"/> as sheet flow over land <input type="checkbox"/> through a swale <input type="checkbox"/> other: _____		
Location (point) of discharge to stream: unknown		
Did incident occur within a municipal separate storm sewer system (MS4)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Was the chlorine residual measured at the point of release [discharge]? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: <input type="checkbox"/> Free Chlorine <input checked="" type="checkbox"/> Total Residual Chlorine Result: 2.12 at break mg/L		
Were dechlorination procedures initiated by the first responder to the incident? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe the procedure used; if no, explain:		
Was the dechlorination process monitored throughout the discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe; if no, explain: Per DEP approved SOP- Dechlor tabs/blanket		
Was an assessment conducted to evaluate the impact on the receiving stream? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe observations; if no, explain why an assessment was not completed:		
Date and time of assessment:		
Were dead fish or other aquatic life impacts observed? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, was the PA Fish & Boat Commission notified? <input type="checkbox"/> Yes <input type="checkbox"/> No Date and time of notification:		
Additional comments or observations: <div style="text-align: center;">no streams in vicinity</div>		

Important: Contact information to report incidents is located on the back of this form.

From: Benham, Michael <mbenham@pa.gov>
Sent: Monday, December 21, 2020 8:55 AM
To: Rebecca Davis
Cc: Benham, Michael
Subject: Chlorinated Discharge report LATWP 12-6-2020
Attachments: [2020-12-06 Notification for Chlorinated Discharge 141 Limestone Dr Camp Hill.pdf](#)

Becky,
Here is a past report from 12-6-2020

Michael

Michael Lee Benham | Water Quality Specialist
Clean Water Program
Department of Environmental Protection
909 Elmerton Avenue | Harrisburg, PA 17110
***Phone: 717.503.6264 | Fax: 717.705.4760
mbenham@pa.gov Website: www.dep.pa.gov
24-hour Environmental Emergency Response Number: 800-541-2050

PRIVILEGED AND CONFIDENTIAL COMMUNICATION

The information transmitted is intended only for the person or entity to whom it is addressed and may contain confidential and/or privileged material. Any use of this information other than by the intended recipient is prohibited. If you receive this message in error, please send a reply e-mail to the sender and delete the material from any and all computers. Unintended transmissions shall not constitute waiver of the attorney-client or any other privilege.

From: Benham, Michael <mbenham@pa.gov>
Sent: Thursday, December 17, 2020 8:01 AM
To: Rebecca Davis
Cc: Benham, Michael
Subject: FW: [External] Cumberland County Emergency / Spill

Becky,
Initial report for chlorinated water discharge in the Windsor Park development of LATWP.
Could you advise me of the location for stormwater outfall to (I'm assuming) Cedar Run?
I will ask PA American Water to do a stream check.

Thank you,
Michael

From: Wriglesworth, Sarah <swrigleswo@pa.gov>
Sent: Thursday, December 17, 2020 7:37 AM
To: Benham, Michael <mbenham@pa.gov>
Subject: FW: [External] Cumberland County Emergency / Spill

Hey Mike- might be a little tough to see effects on a stream this morning, but would you please check in with Nathan on this break?

Thanks,
Sarah

From: Blashaw, Justin <jblashaw@pa.gov>
Sent: Thursday, December 17, 2020 7:04 AM
To: Wosochlo, Evan <ewosochlo@pa.gov>; EP-SC-ER-SDW <EP-SCERSDW@pa.gov>; EP-SC-ER-CWP <EP-SCERCWP@pa.gov>
Subject: RE: [External] Cumberland County Emergency / Spill

Got it.

We'll check in for SDW.

Justin

From: Wosochlo, Evan <ewosochlo@pa.gov>
Sent: Wednesday, December 16, 2020 10:22 PM
To: EP-SC-ER-SDW <EP-SCERSDW@pa.gov>; EP-SC-ER-CWP <EP-SCERCWP@pa.gov>
Subject: Fw: [External] Cumberland County Emergency / Spill

Nathan was calling to report a break in a line. He isn't sure if it is a service or a main. He has a crew excavating the area now. No BWA planned since they have not lost positive pressure.

A storm drain was affected. He has no estimates on the amount of water that reached the drain and no information on where the drain outfalls. He has since reduced flow to mitigate impact to the drain and has placed de-chlor tabs in the drain.

The approximate address for the break and the affected drain is 124 Winston Dr, Lower Allen Twp, Cumberland County.

Nathan is the best contact for information about this incident. Please see his phone number below.

From: Communications Center <TAS@MyMsgCtr.com>
Sent: Wednesday, December 16, 2020 10:04 PM
To: EP-SCEmergencyReport <EP-SCEmergencyReport@pa.gov>
Subject: [External] Cumberland County Emergency / Spill

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Message for 6033.04 DEP Southcentral

Message For: Evan Wosochlo
Taken 16-DEC-20 at 10:04PM by DNI

Name: Nathan Koch
Company: PA American Water
Phone: 717-418-6047 Ext:
Alt#: - -
Program: Water: Clean Water

Time/Date of incident: 12/16 at 9pm
Incident: water coming up in the street, repairs
being made now. No boil water advisory.
Spilled material: Water
Approximate quantity: Unknown right now.
Site contact: Please call him to give the incident#
Phone: - -
Site address: 124 Winston Dr
City: Mechanicsburg State: PA Zip: 17055-

Responsible party:
Is the release secure/contained? Yes
Is a waterway affected? No
Name of waterway: N/A

Is a clean up crew on site: No
Company name: N/A
Lat/long: Lat: 40.21537 Long: -76.975343
Municipality: Mechanicsburg Borough
County: Cumberland County

PT 1: 16-DEC-20 10:04 PM DNI 101

=====

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Thank you Becky,
I will pass this on to PA American Water,
You made it too easy.

Michael

From: Rebecca Davis <RDavis@latwp.org>
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To: Benham, Michael <mbenham@pa.gov>
Subject: RE: [External] Cumberland County Emergency / Spill

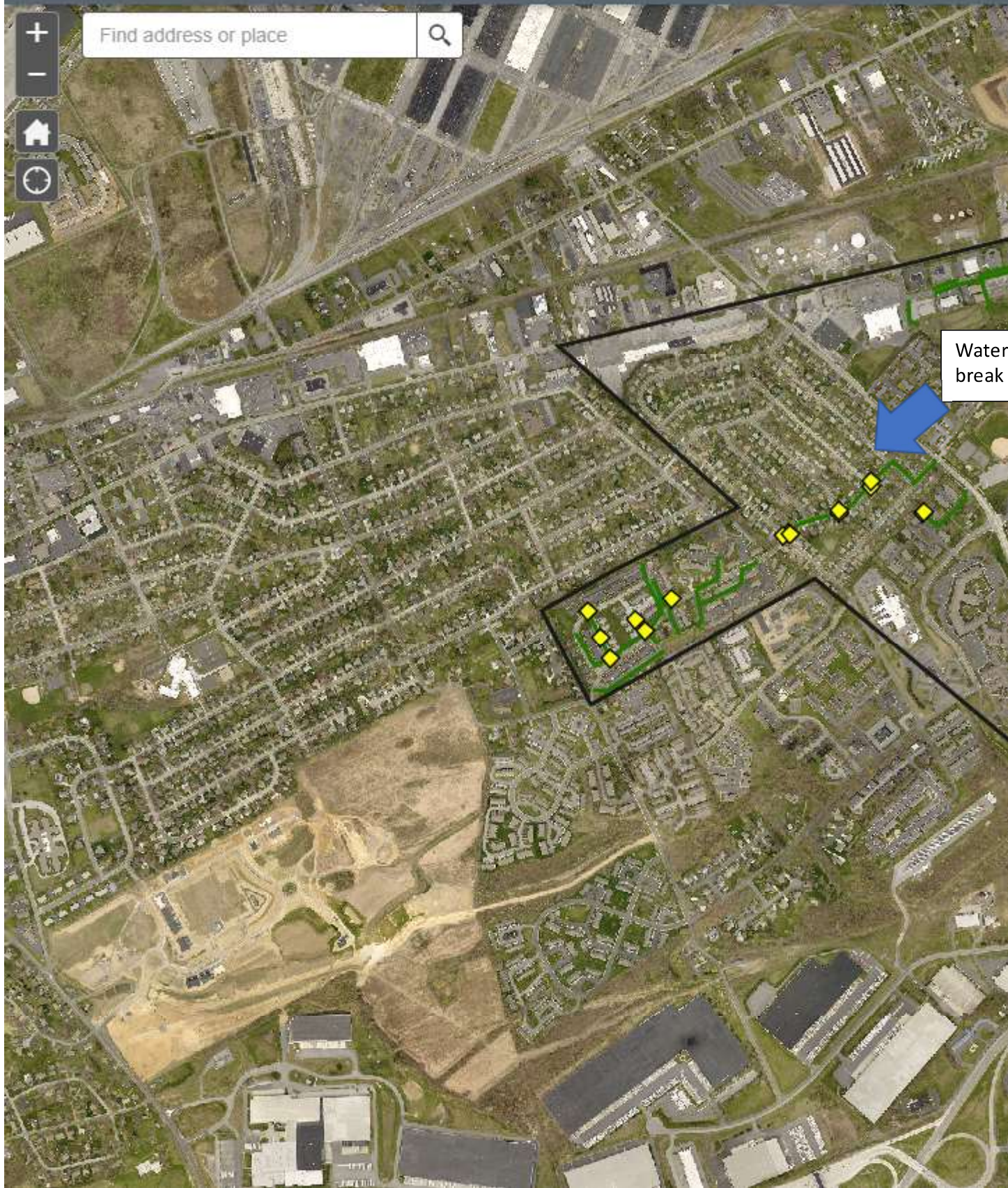
Hello Michael,
The outfall closest to that location is on Gettysburg Road near the intersection of Gettysburg Road and Wesley Drive. There is a diner at the corner and cedar run goes under Wesley drive and exists to a pipe at the edge of the parking lot of the diner.

See our MS4 GIS mapping below. I've labeled the nearest outfall on the map and the proximity of Cedar Run.

Let me know if you have any questions.
Thank you,
Rebecca

Rebecca L. Davis
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Lower Allen Township MS4 Data Viewer



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Alt#: - -
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being made now. No boil water advisory.
Spilled material: Water
Approximate quantity: Unknown right now.
Site contact: Please call him to give the incident#
Phone: - -
Site address: 124 Winston Dr
City: Mechanicsburg State: PA Zip: 17055-

Responsible party:

Is the release secure/contained? Yes
Is a waterway affected? No
Name of waterway: N/A
Is a clean up crew on site: No
Company name: N/A
Lat/long: Lat: 40.21537 Long: -76.975343
Municipality: Mechanicsburg Borough
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PT 1: 16-DEC-20 10:04 PM DNI 101

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Sent: Monday, December 21, 2020 7:39 AM
To: Bosnyak, Christopher; EP-SC-ER-SDW; EP-SC-ER-CWP
Subject: RE: [External] Cumberland County Emergency / Spill

Got it.

-----Original Message-----

From: Bosnyak, Christopher <cbosnyak@pa.gov>
Sent: Friday, December 18, 2020 3:50 PM
To: EP-SC-ER-SDW <EP-SCERSDW@pa.gov>; EP-SC-ER-CWP <EP-SCERCWP@pa.gov>
Subject: FW: [External] Cumberland County Emergency / Spill

I talked to Brian and this is the 3rd of three WMBs that occurred at 12 noon today. This occurred at 42 Center Dr. Lower Allen Twp, PA, Cumberland County. Dechlorination materials were placed down. No BWA is being issued. Water did enter a storm drain, but no waterways were affected. This WMB is still being repaired at this time. See below call.

-----Original Message-----

From: Communications Center <TAS@MyMsgCtr.com>
Sent: Friday, December 18, 2020 3:41 PM
To: EP-SCEmergencyReport <EP-SCEmergencyReport@pa.gov>
Subject: [External] Cumberland County Emergency / Spill

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.

Message for 6033.04 DEP Southcentral

Message For: Chris Bosnyak
Taken 18-DEC-20 at 3:41PM by CMA

Name: Brian
Company: PA American Water
Phone: 717-550-1502 Ext:
Alt#: - -
Program: Environmental Cleanup/Brownfields
----- Time/Date of incident: 12/18
Incident: Water Main Break
Spilled material: Chlorine
Approximate quantity:
Site contact: Same as Caller
Phone: - -
Site address: 42 Center Drive
City: State: PA Zip: -

----- Responsible party: PA American Water Is the release
secure/contained? No Is a waterway affected? Yes Name of waterway: Unsure Is a clean up crew on
site: No Company name: N/A
Lat/long: Lat: 40.021436 Long: -86.88709
Municipality: Lower Allen Township
County: Cumberland County

PT 1: 18-DEC-20 03:41 PM HSD 101

=====

CHLORINATED WATER DISCHARGE – INCIDENT REPORT FORM

Cause and Source of Chlorinated Water Release and Discharge		
Planned Release Incident during: <input type="checkbox"/> Main flushing <input type="checkbox"/> Hydrant flushing/testing <input type="checkbox"/> Facility Disinfection <input type="checkbox"/> Storage/Distribution system maintenance/repair: _____ <input type="checkbox"/> Other: _____ Date of planned release notification to DEP: _____		
Unplanned Release: <input checked="" type="checkbox"/> Water main break/leak <input type="checkbox"/> Emergency flushing <input type="checkbox"/> Broken/sheared hydrant <input type="checkbox"/> Tank Overflow <input type="checkbox"/> Other: _____		
Location of release, including: ID of water facility, hydrant #, facility or main name & address): 120 Linden Dr. Camp Hill, Pa.		
Water System Owner/Name or Property owner: Pa. American Water For public water supplies, PWS ID#: 7210029		
Name, title, and phone number of individual filing report: David Boore, operations supervisor, 717-689-0493		
Incident Information		
Date of incident: 01/8/21	Municipality: Lower Allen County: Cumberland	Name of Receiving Water/Stream: Cedar Run
Start time of discharge: 18:00 <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Actual	End time of discharge: 19:00	Volume of discharge, gals: 23,000 <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Measured
Date and time incident reported to DEP: 20:45		
Name of person who reported the incident to DEP: David Boore		
The chlorinated water release discharged into the surface water or stream: <input checked="" type="checkbox"/> directly <input type="checkbox"/> through a storm sewer <input type="checkbox"/> as sheet flow over land <input type="checkbox"/> through a swale <input type="checkbox"/> other: _____		
Location (point) of discharge to stream: End of Linden Dr.		
Did incident occur within a municipal separate storm sewer system (MS4)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Was the chlorine residual measured at the point of release [discharge]? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: <input checked="" type="checkbox"/> Free Chlorine <input type="checkbox"/> Total Residual Chlorine Result: 1.82 mg/L		
Were dechlorination procedures initiated by the first responder to the incident? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe the procedure used; if no, explain: Dechlorination tablets in mat applied to stream of water.		
Was the dechlorination process monitored throughout the discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe; if no, explain: Field verified to confirm dechlorination was effective.		
Was an assessment conducted to evaluate the impact on the receiving stream? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe observations; if no, explain why an assessment was not completed: No apparent impact to stream. Date and time of assessment: _____		
Were dead fish or other aquatic life impacts observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, was the PA Fish & Boat Commission notified? <input type="checkbox"/> Yes <input type="checkbox"/> No Date and time of notification: _____		
Additional comments or observations:		

Important: Contact information to report incidents is located on the back of this form.

Incident Reporting Contact Information
Speak to a representative - do not leave a message!
After hours, call the regional or statewide 24-Hour Emergency Numbers

Southeast Regional Office
2 East Main St.
Norristown, PA 19401-4915

Main Telephone: 484-250-5900

24-Hour Emergency: 484-250-5900

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

Northeast Regional Office
2 Public Square
Wilkes-Barre, PA 18701-1915

Main Telephone: 570-826-2511

24-Hour Emergency: 570-826-2511

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

Southcentral Regional Office
909 Elmerton Ave.
Harrisburg, PA 17110-8200

Main Telephone: 717-705-4700

24-Hour Emergency: 866-825-0208

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

Northcentral Regional Office
208 W. Third St., Suite 101
Williamsport, PA 17701-6448

Main Telephone: 570-327-3636

24-Hour Emergency: 570-327-3636

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

Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222-4745

Main Telephone: 412-442-4000

24-Hour Emergency: 412-442-4000

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

Northwest Regional Office
230 Chestnut St.
Meadville, PA 16335-3481

Main Telephone: 814-332-6945

24-Hour Emergency: 800-373-3398

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

DEP, Statewide Emergency Response 24-Hour Emergency: **800-541-2050**

PA Fish and Boat Commission: 855-347-4545

May be required to leave a message after hours.

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #6 – BUILDING PERMIT HANDOUTS

LOWER ALLEN TOWNSHIP

Best Management Practices for Stormwater Management on Construction Sites

Plan in Advance to Prevent Pollution!

Remove existing vegetation only as needed. This will enhance site stabilization.

Schedule excavation, grading, and paving operations for dry weather periods.

Train and educate employees and subcontractors about stormwater management requirements and pollution prevention.

Have extra erosion controls on site in case of a control failure.

Designate a specific area away from storm drains and waterways for material storage and equipment maintenance.

Protect storm drains and streams near the site. Use inlet protection and regularly check areas after storms.

Review regulations to make sure you have obtained the required permits necessary for construction activities.

REMEMBER:

Allowing stormwater with sediment pollutants to leave your construction site and enter a storm drain or waterway is against federal and state laws!

The most common source of pollution associated with construction activities is **SEDIMENTATION** caused by erosion.

Failure to maintain adequate **Erosion and Sediment Controls (E&SC)** at construction sites often results in sediment discharge into the storm drain system and ultimately waterways.

Once this discharge reaches waterways, it creates problems such as turbidity (cloudiness of the water) and chemical changes to the water. These changes effect drinking water quality and can even kill fish and other aquatic life.

The only thing that should leave your project's site and enter a storm drain is clean, uncontaminated **stormwater**.

The Yellow Breeches Creek and Cedar Run are only a Storm Drain away!

Please remember to:

- Clean up spills immediately
- Sweep frequently and limit access to/from the site.
- Stabilize construction entrances and exits and perform maintenance when necessary.
- Do not stockpile materials near a storm drain, wetland, or stream.
- Maintain silt fence and silt socks to make sure no materials are getting beyond them; replace/repair as necessary.
- Remove trash and litter from the site.
- Check trash containers for leaks and keep them covered.

If you have questions prior to the start of construction please contact the Township to schedule a site meeting. We would be happy to review these regulations with you prior to start of construction activities.

For a more comprehensive list of Best Management Practices and stormwater guidance for the construction industry, go to EPA's website at www.epa.gov and search "construction stormwater."

LOWER ALLEN TOWNSHIP

Best Management Practices for Fresh Concrete and Mortar Application on Construction Sites

What Can YOU do? Best Management Practices

At the yard and construction site, always store dry and wet materials under cover, protect them from rainfall and runoff, and away from storm drains and waterways.

Secure bags of cement after they are open. Be sure to keep wind blown cement powder away from gutters, storm drains, rainfall and runoff.

Wash out concrete equipment/mixers/trucks only in designated wash out areas in your yard. The wash out areas should be lined and identified.

Dispose of settled, hardened concrete in the proper waste receptacle. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

DURING CONSTRUCTION

1. Don't mix up more fresh concrete or mortar than you will use in a two-hour period.
2. Set up and operate small mixers on tarps or heavy plastic drop cloths. Clean tools in a contained area.
3. Protect application of fresh concrete and mortar from rainfall and runoff until the material has dried.
4. Locate concrete washout facilities near the area where concrete is being poured. The facilities should not be placed within **50** feet of storm drains, open ditches, or waterbodies.
5. On large construction sites with extensive work, washouts should be placed at multiple locations for use by ready mixed truck drivers. The washouts should be easily identified.
6. Inspect concrete washout facilities daily and after heavy rains to check for leaks, identify if the plastic liner has been damaged by construction activities, and determine whether the washout is filled over 75 percent of its capacity. Replace and repair as required.
7. When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Dispose of small amounts of excess **DRY** concrete, grout, and mortar in the trash.
8. When cleaning up after driveway or sidewalk installation, wash fines onto stabilized areas, not down the driveway and into the street and possibly the storm drains. If necessary divert runoff with temporary berms.

As an Owner, Operator, or supervisor of a construction site, you may be held financially responsible for any environmental damage caused by your subcontractor or employees. Concrete washout requirements should be included with your contracts with concrete delivery companies.

For more information on concrete washout requirements go to EPAs website link at:
<https://www3.epa.gov/npdes/pubs/concretewashout.pdf>

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS4) PROGRAM

SUB-SECTION #7 – PENNSY SUPPLY



LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

NOTICE OF VIOLATION

LOWER ALLEN TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT

2233 GETTYSBURG ROAD

CAMP HILL, PA 17011

717.975.7575

DATE: October 15, 2020

RECIPIENT: Pennsy Supply
2400 Thea Drive, Suite 3A
Harrisburg, PA 17110

RECIPIENT ADDRESS: 2400 Thea Drive, Suite 3A, Harrisburg, PA 17110

SUBJECT PROPERTY LOCATION: Manor Drive – at the Rossmoyne Elementary Construction Site.

RECIPIENT STATUS REGARDING SUBJECT PROPERTY: Contractor

VIOLATIONS: Observation of a Pennsy Supply Concrete Truck washing concrete residue off of the vehicle along Manor Drive. The discharge entered a Township stormwater inlet along Manor Drive. Pictures of the truck and violations observed are attached to this Notice of Violation. Specific violation of the Code of the Township of Lower Allen as specified below.

Chapter No. 184, as amended, Stormwater Management:

Chapter 184, Section 37.A - Prohibited Discharges and connections. Any drain or conveyance, whether on the surface or subsurface, which allows any nonstormwater discharge, including, but not limited to, sewage, process wastewater, wash water, ammonia, chlorine, petroleum products (gasoline, fuel oil, etc.) pesticides, pollutants and other hazardous materials to enter the municipality's separate storm sewer system or to enter the waters of the commonwealth is prohibited. Handling and disposal of all materials and wastes shall comply with all federal and state requirements. Structural and nonstructural BMPs, in accordance with Chapters 5 and 6 of the most current

version of the SWM Manual, shall be implemented where necessary to preserve the quality of stormwater runoff.

CORRECTIVE ACTION REQUIRED: Remove concrete wash and debris in the street along Manor Drive and from the stormwater inlet and pipes along Manor Drive. Street sweeping may be necessary to remove dust and debris. Do **NOT** wash concrete trucks in the street. There should be a designated concrete wash pit on the site for cleaning of concrete from vehicles and tools. Contact the Township for an inspection after work is completed.

CONSEQUENCES OF FAILURE TO TAKE CORRECTIVE ACTION WITHIN PRESCRIBED TIME LIMIT:

Any person who shall violate a provision of this Code shall, upon summary conviction thereof, be sentenced to pay a fine of not more than \$500, for each violation, plus court costs and attorney fees. Each day that a violation continues shall constitute a separate offense and shall be punishable accordingly.

RIGHT OF APPEAL: Any person aggrieved by any action of the municipality or its designee, relevant to the provisions of this chapter, may appeal to the municipality within 30 days of that action. You may contact our office for directions on how to do this.



Rebecca L. Davis, Stormwater Program Manager
Lower Allen Township
717-975-7575 Ext. 1010
rdavis@latwp.org

Photo #1 - Illicit Discharge from truck washing along Manor Drive entering stormwater inlet.



Photo #2 – Pennsy Supply Truck being washed in the street and discharge entering the storm inlet.





Photo #3 – Pennsy Supply Truck parked on Manor Drive.



Photo #4 – Truck operator and truck ID #

Photo #5 – Concrete, mud and wash water entering the stormwater inlet on Manor Drive.



ATTACHMENT #12
MS4 EMPLOYEE TRAINING



MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM) GOOD HOUSEKEEPING ANNUAL EMPLOYEE TRAINING

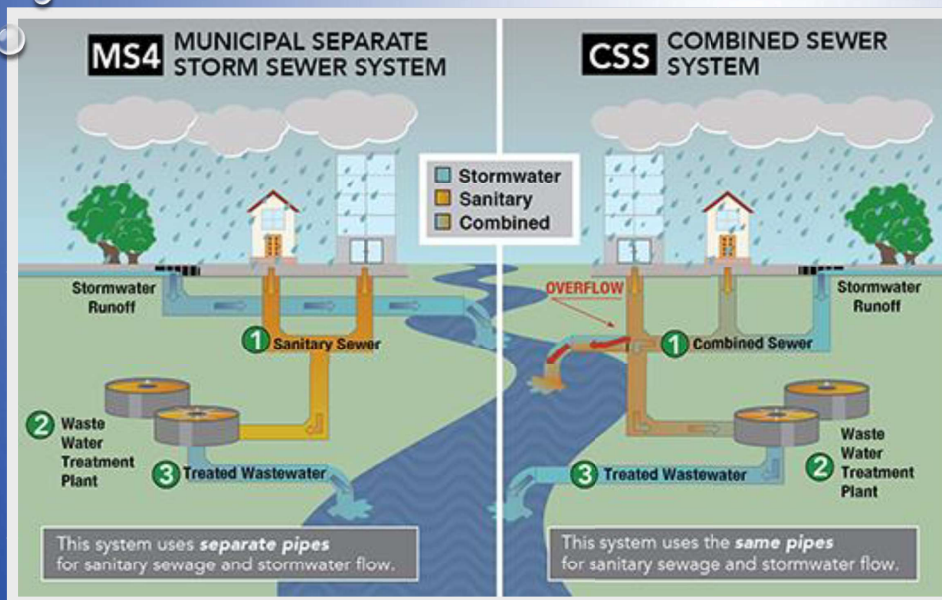
APRIL 2021

LOWER ALLEN TOWNSHIP



TRAINING GOALS

- LEARN THE BACKGROUND AND HISTORY OF THE MS4 PROGRAM
- DISCOVER CHANGES TO OUR PAG-13 NPDES GENERAL PERMIT
- LEARN THE MAJOR STORMWATER RUNOFF POLLUTANTS AFFECTING LOWER ALLEN TOWNSHIP
- LEARN AND REVIEW GOOD HOUSEKEEPING PRACTICES
- REVIEW PPC PLAN
- DON'T BE MAD AT THE MESSENGER 😊



MS4

- MUNICIPAL
- SEPARATE
- STORM
- SEWER
- SYSTEM

HOW IT ALL BEGAN

FEDERAL CLEAN WATER ACT – 1972 – PASSED BY US CONGRESS

- WATERS ARE REQUIRED TO BE “FISHABLE, SWIMMABLE, AND DRINKABLE” BY 1983
- ELIMINATE POLLUTION DISCHARGED TO WATER BY 1985
- 1977 – ADJUSTMENTS WERE MADE TO ADDRESS LONG TERM FUNDING FOR WASTEWATER TREATMENT FACILITIES, SLUDGE MANAGEMENT, TOXIC POLLUTANTS, AND WETLAND PROTECTION

SECTION 101(A) (2) CLEAN WATER ACT



STORMWATER PERMITTING

- THE 1972 CLEAN WATER ACT WITH AMENDMENTS TO THE FEDERAL LAW LED TO THE CREATION OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING PROCESS
- ESTABLISHED IN 1987- NON POINT SOURCE POLLUTION CONTROL ALONG WITH GREAT LAKES AND CHESAPEAKE BAY PROTECTION PROGRAMS
- 2000 – UPDATED WATER QUALITY STANDARDS AND PATHOGEN MONITORING FOR RECREATIONAL WATERS



NPDES

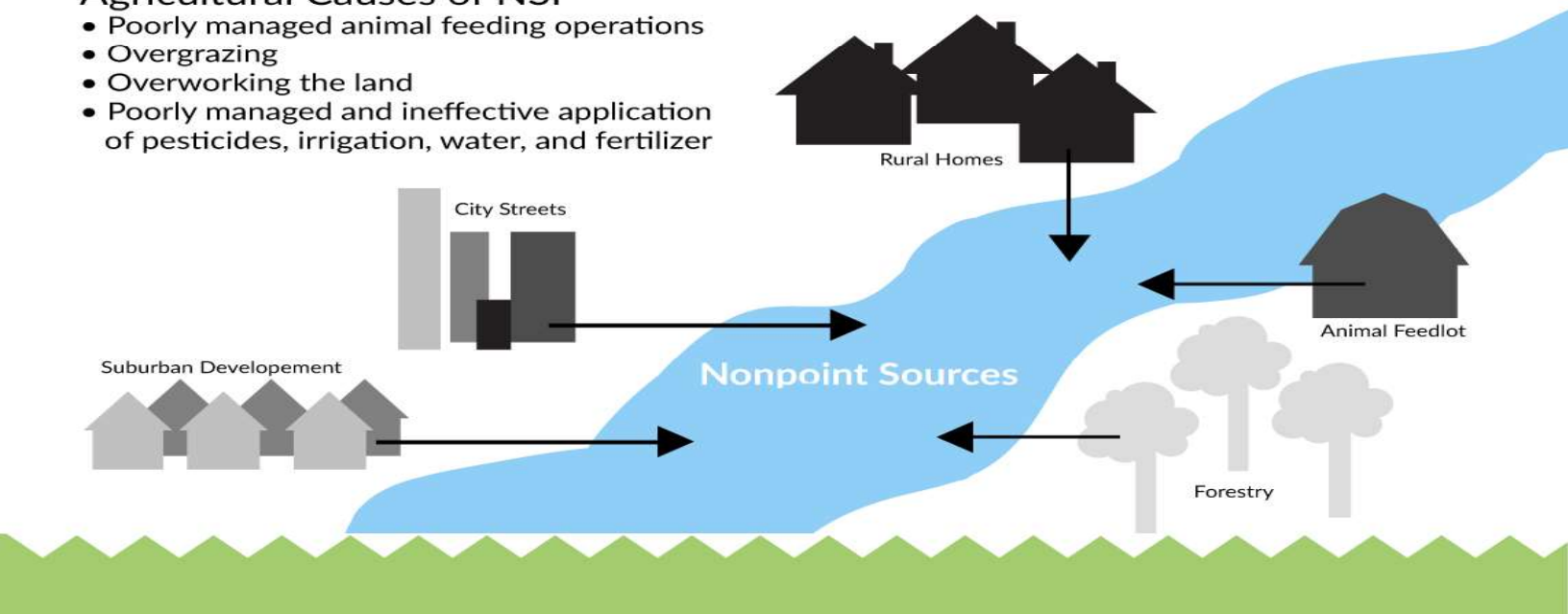
- NPDES REQUIRED AUTHORIZATION TO DISCHARGE POLLUTANTS FROM A POINT SOURCE INTO THE WATER OF THE UNITED STATES. THE SMALL MUNICIPAL NPDES PERMIT IS CALLED A PAG-13. THIS IS THE FEDERAL REGULATION
- PADEP CREATED THE STATE PERMITTING PROGRAM TO MEET THE FEDERAL REGULATION.

Nonpoint Source Pollution

NSP is when pollution runoff finds a way into waterways, mostly from storm drain collection systems. This classification of pollution is now the single largest cause of the worsening of our water quality, according to the U.S. Environmental Protection Agency.

Agricultural Causes of NSP

- Poorly managed animal feeding operations
- Overgrazing
- Overworking the land
- Poorly managed and ineffective application of pesticides, irrigation, water, and fertilizer



POINT SOURCE POLLUTION

POINT SOURCE POLLUTION –

POLLUTANT LOADS DISCHARGED AT A SPECIFIC LOCATION FROM PIPES, OUTFALLS, AND CONVEYANCE CHANNELS FROM EITHER MUNICIPAL WASTEWATER TREATMENT PLANTS, MUNICIPAL MS4'S, OR INDUSTRIAL WASTE TREATMENT FACILITIES.



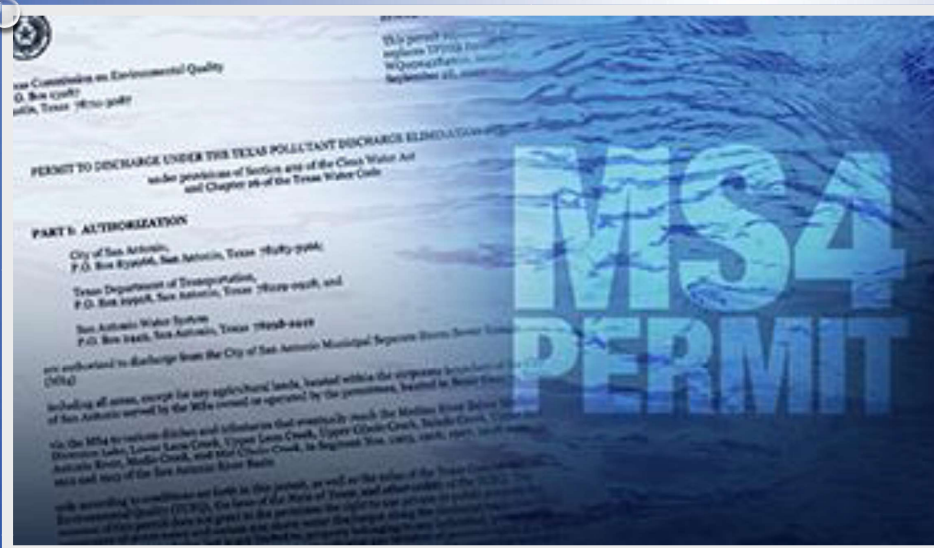
HOW DOES THE MS4 PERMIT WORK?

MUNICIPALITIES ACQUIRE A NPDES PERMIT THAT COVERS A 5-YEAR PERIOD.

THE PERMIT REQUIRES THE MUNICIPALITY TO MEASURE ITS EFFORTS TO REDUCE POLLUTANTS IN 6 DIFFERENT AREAS.

ANNUALLY, THE MUNICIPALITY MUST REPORT TO PADEP ON HOW THEY HAVE IMPROVED, CHANGED, AND MANAGED THESE AREAS IN ORDER TO MAINTAIN COMPLIANCE WITH THEIR PERMIT.

MINIMUM CONTROL MEASURES MUST BE RE-EVALUATED ANNUALLY TO DETERMINE COMPLIANCE.



MINIMUM CONTROL MEASURES (MCM'S)

#1 - PUBLIC EDUCATION AND OUTREACH

#2 - PUBLIC INVOLVEMENT AND PARTICIPATION

#3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

#4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

#5 - POST CONSTRUCTION STORMWATER MANAGEMENT

#6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING

2018 PAG-13 NPDES GENERAL MS4 PERMIT

EFFECTIVE DATE: MARCH 16, 2018

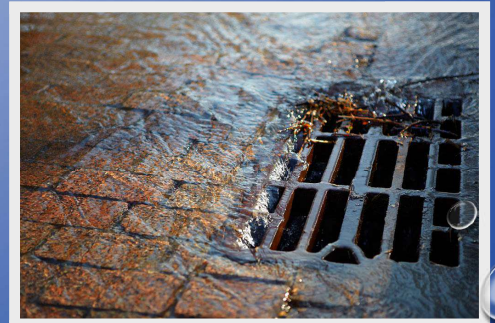
EXPIRATION DATE: MARCH 15, 2023

FIRST REPORTING PERIOD ENDED ON JUNE 30, 2018

FIRST ANNUAL REPORT WAS DUE SEPTEMBER 30, 2018
(4/1/2017 – 6/30/2018)

ALL SUBSEQUENT ANNUAL REPORTS DUE BY SEPTEMBER 30 AND
WILL COVER THE REPORTING PERIOD OF **JULY 1 – JUNE 30**

✓ CHANGE TO ANNUAL REPORT SUBMISSION - \$500 FEE IS
NOW REQUIRED TO BE SUBMITTED WITH EACH ANNUAL
REPORT TO PADEP





CHANGES TO OUR MS4 PERMIT

- ✓ ORDINANCE UPDATE
REQUIREMENT
- ✓ AUTHORIZED DISCHARGE
CHANGES
- ✓ PRIORITY OUTFALL
REQUIREMENTS AND
INSPECTIONS – SAMPLING IF
NEEDED
- ✓ ADDITIONAL APPENDICES
ADDED TO PERMIT
- ✓ POLLUTION REDUCTION PLAN

ORDINANCE UPDATE REQUIREMENT

OUR PERMIT REQUIRES US TO ENACT PADEP'S MODEL ORDINANCE OR REVISE OUR EXISTING STORMWATER MANAGEMENT ORDINANCE BY **SEPTEMBER 30, 2022** AND SUBMIT THE REVISED ORDINANCE WITH OUR ANNUAL REPORT

THE REVISED ORDINANCE IS REQUIRED TO BE ADVERTISED AND HAVE A **PUBLIC COMMENT PERIOD** PRIOR TO ADOPTION – MCM #2 – PUBLIC INVOLVEMENT AND PARTICIPATION

THE ORDINANCE REVISIONS COVER THE FOLLOWING TOPICS:

- AUTHORIZED DISCHARGES TO THE MS4
- DEVELOP AND IMPLEMENT MEASURES TO ENCOURAGE LOW IMPACT DEVELOPMENT (LID) IN NEW DEVELOPMENT AND RE-DEVELOPMENT
- REVISE SECTIONS TO BE CONSISTENT WITH DEP'S NPDES CONSTRUCTION STORMWATER PERMITTING REQUIREMENTS



AUTHORIZED DISCHARGES TO THE MS4

* DEP HAS **MODIFIED** THE LIST OF AUTHORIZED NON-STORMWATER DISCHARGES TO THE MS4 AS FOLLOWS:

- POTABLE DRINKING WATER FROM HYDRANT FLUSHING OR LINE TESTING IS **ONLY** PERMITTED IF SUCH DISCHARGES DO NOT CONTAIN DETECTABLE CONCENTRATIONS OF TOTAL RESIDUAL CHLORINE (TRC)
- RESIDENTIAL (I.E., NOT COMMERCIAL) VEHICLE WASH WATER **ONLY** WHERE CLEANING AGENTS ARE NOT UTILIZED
- DECHLORINATED SWIMMING POOL WATER DISCHARGES ARE NOT AUTHORIZED TO BE RELEASED INTO THE MS4 – VIOLATION OF CLEAN WATER ACT. THEY SHOULD BE RELEASED TO A GRASSY AREA FOR INFILTRATION
- IN ADDITION TO AIR CONDITIONING CONDENSATE, THE DISCHARGE OF NON-CONTAMINATED WATER FROM GEOTHERMAL SYSTEMS IS AUTHORIZED





ESTABLISHMENT OF PRIORITY OUTFALLS

OUTFALL DEFINITION – A POINT SOURCE WHERE A MS4 DISCHARGES TO SURFACE WATERS AND DOES NOT INCLUDE OPEN CONVEYANCES

- IDENTIFY PRIORITY OUTFALLS AND INSPECT THOSE OUTFALLS ANNUALLY. THESE ARE AREAS THAT HAVE HIGH RISK ACTIVITIES OR A HISTORY OF WATER POLLUTION PROBLEMS
- IF POLLUTION (COLOR, ODOR, TURBIDITY) IS SUSPECTED DURING OUTFALL INSPECTION, SAMPLING MUST TAKE PLACE AND MEASURES TO DETERMINE POLLUTION SOURCE MUST BE FOLLOWED IF VALIDATED BY SAMPLE.
- INSPECT ALL OTHER IDENTIFIED MS4 OUTFALLS AT LEAST ONCE BY MARCH 15, 2023 – INCLUDE RESULTS IN MS4 ANNUAL REPORT



POLLUTANT CONTROL MEASURES (PCM'S)

- PADEP HAS DEVELOPED APPENDICES FOR PCM'S IN THE 2018 PAG-13 GENERAL PERMIT
- THE APPENDICES ARE RELATED TO PATHOGENS (APPENDIX B), AND PRIORITY ORGANIC COMPOUNDS (APPENDIX C)
- PCM REQUIREMENTS INCLUDE THE DEVELOPMENT OF MAPS, AN INVENTORY OF KNOWN OR SUSPECTED POLLUTANTS, AND SUBMISSION OF A REPORT DOCUMENTING INVESTIGATIONS OF SUSPECTED SOURCES



PCM'S (CONT.)

- CEDAR RUN IS LISTED AS IMPAIRED BY PATHOGENS ON THE PADEP MS4 REQUIREMENTS TABLE
- YELLOW BREECHES IS LISTED AS IMPAIRED BY PRIORITY ORGANIC COMPOUNDS ON THE PADEP MS4 REQUIREMENTS TABLE

PADEP MS4 REQUIREMENTS MAPPING



Tom Wolf, Governor



Patrick McDonnell, Secretary

MS4 Requirements

MS4 Requirements

BACKGROUND

Municipalities and other entities such as universities and prisons that meet certain standards must obtain NPDES permit coverage for discharges of stormwater from their municipal separate storm sewer systems (MS4s).

A municipal separate storm sewer is any conveyance or system of conveyances (including but not limited to streets, ditches, and pipes) that is: owned by a municipality or other public body (created under state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater or other wastes; designed or used for collecting or conveying stormwater; not a combined sewer (i.e., not intended for both sewage and stormwater); AND not part of a publicly owned treatment works (POTW).

Additional information regarding permitting requirements can be found at the [Pennsylvania Municipal Stormwater Homepage](#).

Help is available by clicking the question mark icon in the header.

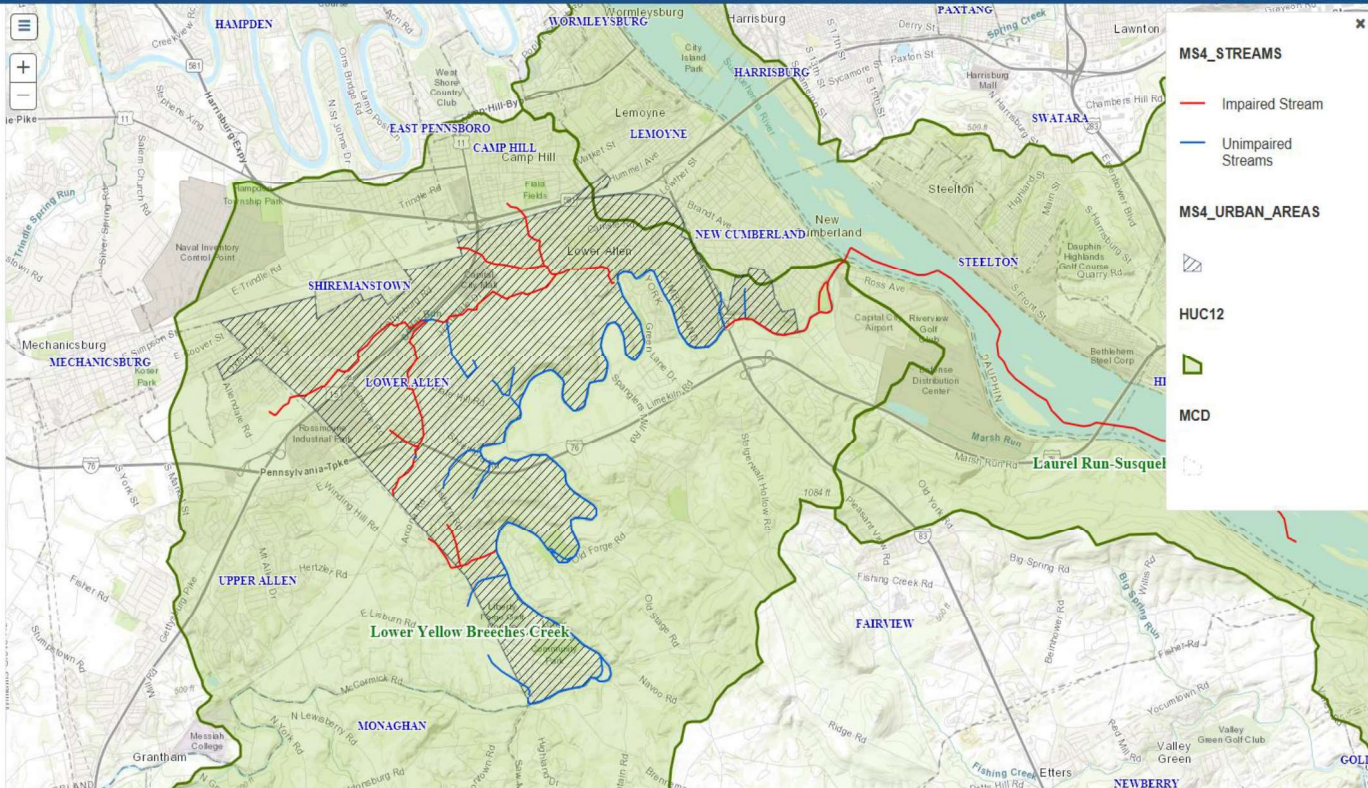
Select a County

CUMBERLAND

Select a Municipality

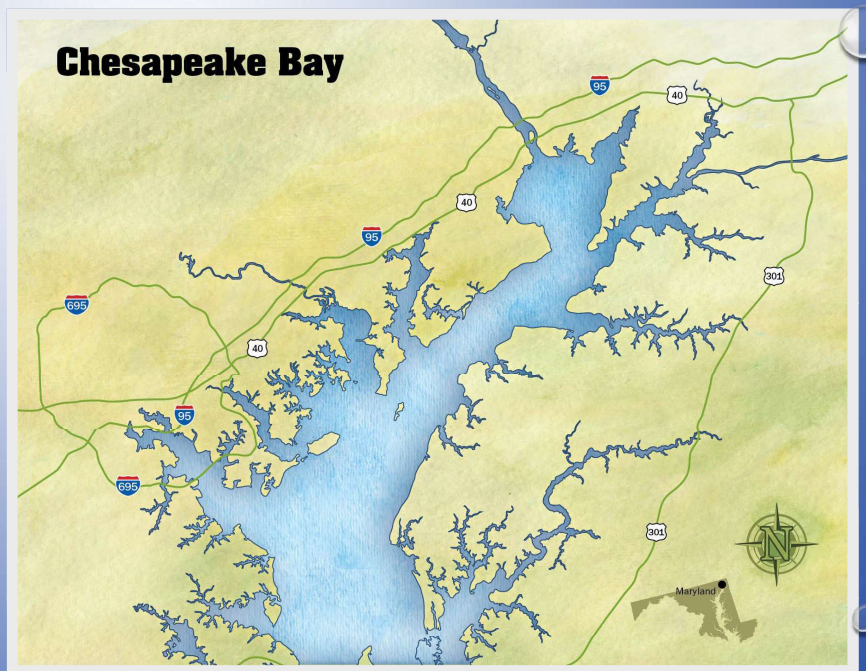
LOWER ALLEN TWP

Click to View Features



CHESAPEAKE BAY POLLUTION REDUCTION PROGRAM

- LAT IS REQUIRED TO REDUCE POLLUTANTS WITHIN THE NEXT 5-YEAR PERMIT TERM PERIOD BY A 10% REDUCTION IN SEDIMENT
- A PRP (POLLUTION REDUCTION PLAN) HAS BEEN APPROVED BY DEP
- THE PRP CONSISTS RETROFITTING 10 SWM BASINS TO BIORETENTION AREAS/BASINS IN THE TOWNSHIP TO REDUCE POLLUTANTS TO THE WATERS OF THE COMMONWEALTH
- PADEP GRANTS WERE OBTAINED FOR THE PUBLIC WORKS BASIN AND THE SHEEPFORD CROSSING WEST BASIN
- NFWF GRANTS WERE OBTAINED FOR THE MORELAND AND SHEEPFORD EAST BASINS
- A GROWING GREENER GRANT WAS SECURED FOR THE BEACON HILL BASIN





LOWER ALLEN TOWNSHIP MS4 PROGRAM NEAR TERM EFFORTS

- REVISE AND CONTINUE IMPLEMENTATION OF SWMP
- BEGIN IMPLEMENTATION OF THE APPROVED CHESAPEAKE BAY POLLUTION REDUCTION PLAN (PRP)
- PREPARE IMPLEMENTATION SCHEDULE FOR NEW PERMIT REQUIREMENTS
- COMPLETE AND SUBMIT ANNUAL REPORT

COMMON STORMWATER POLLUTANTS

- OIL & GREASE
- SEDIMENT
- NUTRIENTS
- TRASH
- TOXICS
- CHLORIDES
- BACTERIA



Sources of Surface Water Pollution

When it rains, water that is not absorbed into the ground, intercepted by vegetation, or evaporated flows into surface waters such as rivers, canals and coastal waters. This flow is called runoff. As the runoff flows over the roads and land, it picks up pollutants.

Roads are a source of pollution. Oils, grease, construction dirt, trash & cigarette butts wash off roads when it rains.



Excess fertilizers wash off lawns & gardens when it rains & flow into surface water.



Surface water can be polluted through groundwater.



Things put into stormdrains and on the street can end up in our rivers, canals, & coastal waters



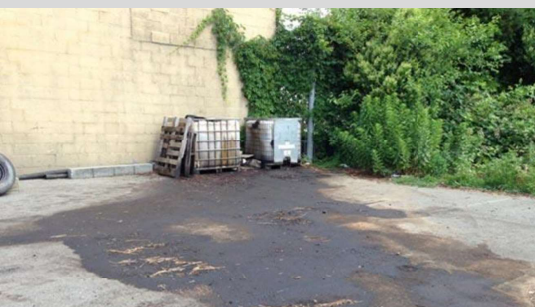
PUBLIC WORKS ACTIVITIES THAT COULD CONTRIBUTE TO NON-POINT SOURCE POLLUTION

- ROAD MAINTENANCE
- VEHICLE FLEET MANAGEMENT
- FUELING & VEHICLE REPAIR
- LOADING, TRANSFER & STORAGE OF MATERIALS
- WASTE MANAGEMENT
- CLEANING & DEGREASING
- FACILITY, PARK, & LANDSCAPE MAINTENANCE



OIL & GREASE

- DID YOU KNOW THAT 1 QUART OF OIL HAS THE POTENTIAL TO CONTAMINATE 250,000 GALLONS OF WATER IF RELEASED?
- SOURCES COME FROM –
 - POORLY MAINTAINED VEHICLES THAT LEAK OIL AND OTHER FLUIDS
 - GASOLINE SPILLS AT GAS STATIONS OR TOPPING OFF VEHICLES WHEN FUELING
 - PRESSURE WASHING PAVEMENT IN THE AREA OF VEHICLE MAINTENANCE OR GAS STATION PUMP AREA INTO STORM DRAINS
 - DUMPING USED OIL OR PETROLEUM INTO STORM DRAINS
 - VEHICLE ACCIDENTS THAT RUPTURE TANKS AND HOSES WITHOUT PROPER CLEAN UP AND CONTAINMENT
 - SPILLS AND POOR HOUSEKEEPING AROUND RESTAURANT GREASE STORAGE BINS



OIL & GREASE CONTAMINATION (CONT.)

- PRESSURE WASHING FUEL ISLAND THAT DRAINS TO STORM DRAIN
- IMPROPER STORAGE OF MATERIALS - NO SECONDARY CONTAINMENT
- LEAKING USED OIL CONTAINER



SEDIMENT POLLUTION

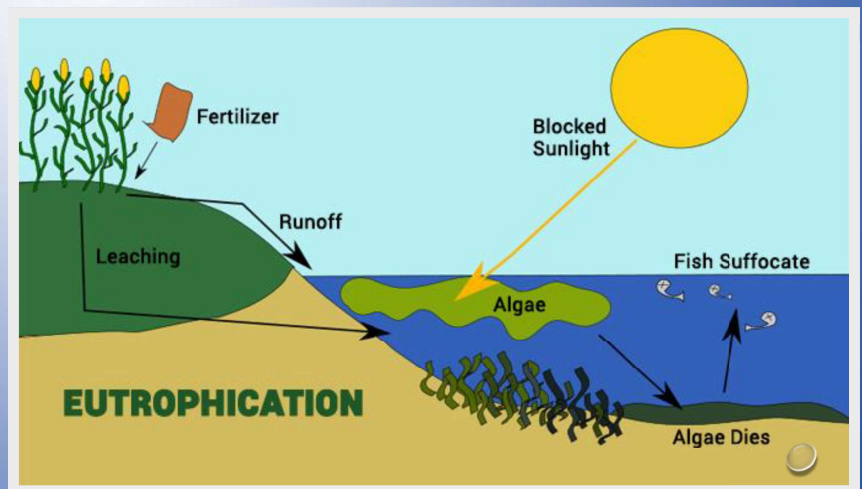
- WHEN SOIL, DIRT, SAND, CLAY, AND OTHER TINY BITS OF EARTH END UP IN STORMWATER
- SEDIMENT POLLUTION CAN CLOG FISH GILLS AND SUFFOCATES SMALL INSECTS
- IT CREATES MURKY, CLOUDY WATER THAT BLOCKS SUNLIGHT FROM REACHING PLANTS
- CHEMICALS AND POLLUTANTS BIND TO SEDIMENT AND ARE TRANSPORTED TO OUR WATER
- CAN CHANGE THE COURSE OF A CREEK BY DEPOSITING NEW BANKS
- COMES FROM MANY SOURCES, SUCH AS CONSTRUCTION/DIGGING, EROSION WHEN VEGETATION HAS BEEN REMOVED, DUST AND GRIME FROM PARKING LOTS & PUBLIC WORKS YARDS, BREAKDOWN OF ROADS, PARKING LOTS, AND OTHER PAVED SURFACES



SEDIMENT POLLUTION (CONT.)

NUTRIENT POLLUTION

- EXCESS PHOSPHOROUS & NITROGEN – CAUSE ALGAL BLOOMS THAT CONSUME OXYGEN IN STREAMS (PESTICIDES AND FERTILIZERS)
- CAUSED BY EXCESSIVE AMOUNTS OF FERTILIZERS APPLIED TO LANDSCAPES THAT WASH OFF AND ENTER THE STORMWATER SYSTEM
- PESTICIDES ARE SUBSTANCES, SOME OF WHICH ARE NATURAL AND SOME MANMADE, THAT ARE USED TO KILL INSECTS, WEEDS, RODENTS AND MOLDS. WHEN USED EXCESSIVELY OR IMPROPERLY, THEY CAN END UP IN STREAMS AND HARM AQUATIC LIFE





ALGAL BLOOM

TRASH, DEBRIS, & LITTER



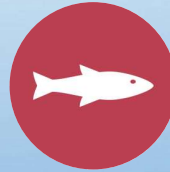
Street litter ends up in our waterways



Improper storage of trash — uncovered trash cans and dumpsters — can be a large contributor



Litter clogs stormwater inlets, become floatable is stormwater infrastructure, and eventually make their way to creeks, streams, and rivers



Harm wildlife



TRASH, DEBRIS, & LITTER (CONT.)



CHEMICALS

POORLY MAINTAINED VEHICLES

OILY PARTS LEAKING/OVERFLOWING
FROM OIL CONTAINERS

SOAP AND OTHER CLEANERS FROM
VEHICLE WASHING

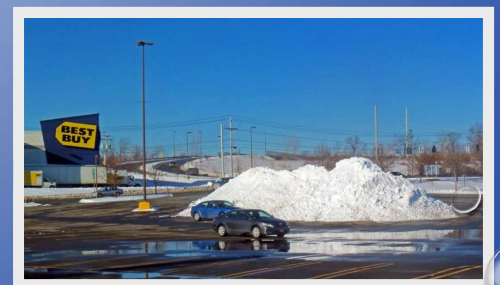
DUMPING OF MOP WATER OR
CLEANING AGENTS

EXAMPLES OF CHEMICAL POLLUTANTS
ARE:

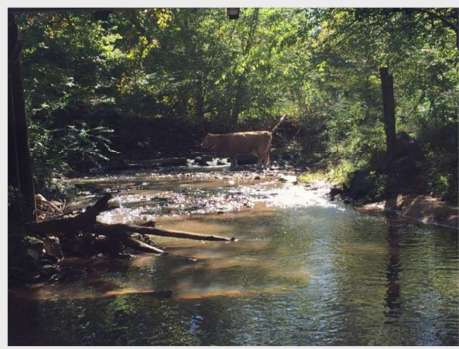
- SOLVENTS
- ANTI-FREEZE
- HYDRAULIC FLUID
- LUBRICANTS
- PAINTS & COATING
- DETERGENTS

CHLORIDES

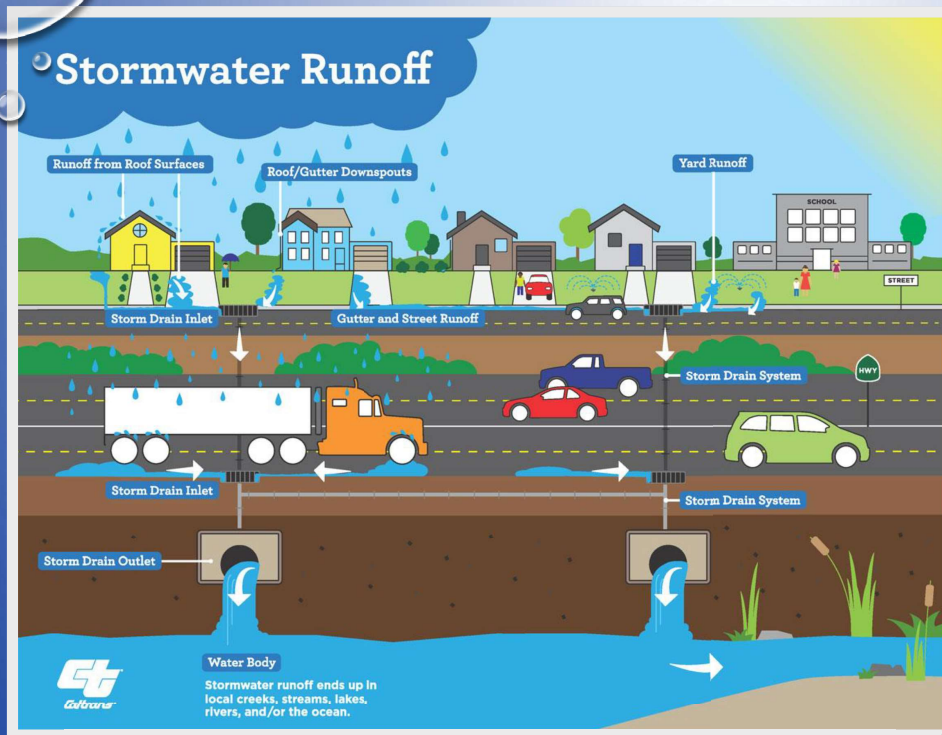
- CAN BE EASILY TRANSPORTED BY STORMWATER
- NOT EASILY REMOVED FROM STORMWATER ONCE DISSOLVED
- TOXIC PROPERTIES IN FRESHWATER STREAMS
- SALINE WATER IS CORROSIVE TO VEHICLES AND INFRASTRUCTURE



BACTERIA



- WILDLIFE & LIVESTOCK WASTE
- IMPROPER MANAGEMENT OF PET WASTES
- SEPTIC TANKS
- LEAKING SEWER LINES



WHERE ARE POLLUTANTS GOING IF NOT CONTROLLED AT THE SOURCE?

- RAIN AND SNOWMELT CAN DIFFUSE POLLUTANTS INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) THAT DISCHARGES INTO CREEKS AND RIVERS



TO REDUCE URBAN RUNOFF POLLUTION, MS4S MUST COMPLY WITH PADEP MS4 PERMIT REQUIREMENTS

- REQUIRED CONTROL MEASURES FOR MCM#6:

- ✓ FACILITY INVENTORY
- ✓ FACILITY OPERATION & MAINTENANCE PLAN
- ✓ EMPLOYEE TRAINING

FACILITY INVENTORY & ACTIVITIES

INVENTORY

- STREETS, ROADS, PARKING LOTS
- MAINTENANCE & STORAGE YARDS
- PARKS
- FLEET/MAINTENANCE SHOPS
- STORMWATER CONVEYANCES
- STORMWATER BASINS

ACTIVITIES

INLET/OUTLET CLEANING

LAWN/GROUNDS CARE

STORM SYSTEM MAINTENANCE

PARK AND OPEN SPACE MAINTENANCE

VEHICLE MAINTENANCE

LEAF YARD DEBRIS MANAGEMENT

FACILITY INVENTORY

LOWER ALLEN TOWNSHIP INVENTORY OF FACILITIES AND ACTIVITIES WITH POTENTIAL TO GENERATE STORMWATER RUNOFF

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
1	Beacon Hill	1525 Capitol View Drive	Neighborhood park	3.4	Play structure; Pavilion	Recreation	Maintenance	Trash	Grass lined swale
2	Radar Site	1612 Lowell Lane	Passive park	8.1	Open space; parking area	Passive recreation	Maintenance	Trash; vehicle drippings	Grass lined swale
3	Beacon Hill Land	Beacon Hill Blvd. At Poplar Avenue	Open field, wooded floodplain	9.7	Open space	Passive recreation	Maintenance	Trash	Riparian buffer
4	Creekwood	150 Creekwood Drive	Neighborhood park	5.6	Picnic tables; trail	Passive recreation; hiking; fishing; parking area	Maintenance	Trash; vehicle drippings	Porous asphalt trail; riparian buffer
5	Allendale	221 Deerfield Road	Neighborhood park	1.2	Pavilion; swing set; play structure; merry-go-round; basketball court	Recreation	Maintenance	Trash	None
6	Highland Park Playground	1301 Chatham Road	Neighborhood park	2.0	Pavilion; picnic tables; tennis court; basketball court; shuffleboard court; play structure; swing set	Recreation	Maintenance	Trash	None

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
16	Sheepford Crossing Basin 2	Ewe Road	Stormwater detention basin	1.0	Basin with outlet structure	None	Maintenance	Trash; vehicle drippings; other material in street runoff	SWM basin; rock filter at outlet structure
17	Public Works Shop	1400 St. Johns Road	Public Works Department Facility	16.2	Office, storage and maintenance building; storage sheds; asphalt pads; parking area; stormwater basins	Vehicle storage and maintenance; material storage; yard waste processing and storage	Building and site maintenance; vehicle storage and maintenance; material storage; yard waste processing and storage	Trash; vehicle drippings; road salt; vehicle maintenance materials and fluids	SWM basins; oil/water separator; salt settling basins
18	Leaf Composting Facility	2750 Yetter Court	Leaf composting facility	4.9	Asphalt pad	Composting leaves collected from throughout the Township	Composting leaves collected from throughout the Township	Trash; vehicle drippings; nutrients from leaf compost	SWM basin
19	LA Fire Station 2	800 Rupp Avenue	Fire station	0.7	Building, parking lot	Office; vehicle and equipment storage	Maintenance	Trash; vehicle drippings	None

MINIMUM CONTROL MEASURE 6

EMPLOY POLLUTION PREVENTION GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES (BMPS) TO CONTROL STORMWATER RUNOFF POLLUTION AT TOWNSHIP OWNED FACILITIES

- PUBLIC WORKS FACILITY
- FACILITY AND ROAD MANAGEMENT
- WASTE HANDLING AND DISPOSAL
- LOADING & UNLOADING
- STOCKPILING & STAGING
- PAINTING
- COMPOSTING
- EARTH DISTURBANCE & CONSTRUCTION
- PARK MAINTENANCE



PUBLIC WORKS GOOD HOUSEKEEPING BMPS

- VEHICLE FUELING
- VEHICLE MAINTENANCE
- VEHICLE WASHING
- WINTER ROAD MANAGEMENT



VEHICLE FUELING

- MONITOR FUELING ACTIVITY
- DO NOT TOP OFF FLUIDS
- CLEAN UP SPILLS IMMEDIATELY
– SPILL KIT AND MATERIALS ARE AT OUR FUEL ISLAND
- PREVENT SPILLS FROM ENTERING STORM DRAINS
- REPLENISH SPILL KIT MATERIALS



RE-FUELING RULES OF THUMB

- PREVENT EXPOSURE TO RAIN
- DO NOT HOSE DOWN FUELING AREAS
- CLEAN UP USING DRY CLEANING METHODS
- ROUTINELY WIPE DOWN SPIGOTS & FUEL PORTS
 - ❖ REFUELING OFF SITE?
 - ✓ KEEP SPILL CLEANUP SUPPLIES ON HAND
 - ✓ STAY AWAY FROM INLETS AND WATERWAYS WHEN FUELING



VEHICLE MAINTENANCE BMPS

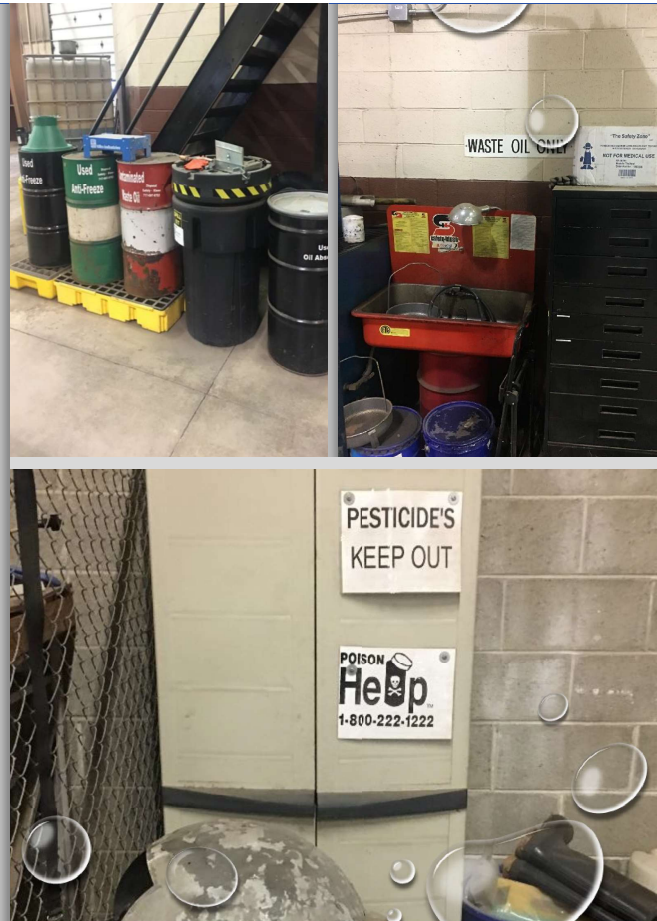
DAMAGED VEHICLES:

- STEER CLEAR OF STORM INLETS
- PARK INDOORS OR UNDER COVER
- COLLECT LEAKING FLUIDS
- EMPTY DRIP PANS AS NECESSARY
- REPORT SPILLS OVER 5 GALLONS

VEHICLE MAINTENANCE

MATERIAL STORAGE AND HANDLING:

- PREVENT EXPOSURE TO RAIN & RUNOFF
 - AWAY FROM STORM INLETS
 - KNOW THE BMP PROCEDURES
-
- ✓ INDOORS OR UNDER COVER
 - ✓ ON CONCRETE SURFACE
 - ✓ SECONDARY CONTAINMENT
 - ✓ SAFE & STABLE STORAGE
 - ✓ PROPER DISPOSAL
 - ✓ PROPER LABELS/IDENTIFICATION
-
- ❖ WHEN IN DOUBT REFER TO MATERIAL SAFETY DATA SHEETS (MSDS)



VEHICLE MAINTENANCE (CONT.)

FLUID TRANSFER

- KNOW PROPER PROCEDURES
- USE SUPPLIES TO SIMPLIFY TASKS
- HAVE DESIGNATED TRANSFER STATIONS
- SECONDARY CONTAINMENT
- CLEANUP SPILLED PRODUCT WITH ABSORBENT
- DRY WIPE PORTS & CONTAINERS



DANGER

HAZARDOUS MATERIALS



LABEL CONTAINERS! IDENTIFY CONTENTS

HAZARDOUS MATERIALS

- ANY AGENT OR ITEM WITH THE POTENTIAL TO CAUSE HARM TO HUMANS, ANIMALS, OR THE ENVIRONMENT
 - BIOLOGICAL
 - CHEMICAL
 - RADIOLOGICAL
 - PHYSICAL

LAWS GOVERN MANUFACTURE, DISTRIBUTION, USE, DISPOSAL, CLEANUP AND REMEDIATION!

SPILL RESPONSE & CLEANUP

#1 – BE PREPARED

PROPER RESPONSE AND CLEANUP PROCEDURES

KNOW STORM DRAIN INLET LOCATIONS

PROTECT INLETS IMMEDIATELY TO AVOID RELEASE TO MS4

LOCATE SPILL CLEANUP SUPPLIES

APPLY ABSORBENT

CLEANUP AND DISPOSE OF USED MATERIAL

REAPPLY ABSORBENT AS NEEDED

REPORT TO MS4 COORDINATOR SPILLS OVER **5 GALLONS** FOR DOCUMENTATION

IN ALL SITUATIONS, ESPECIALLY EMERGENCY SITUATIONS, CONSULT THE TOWNSHIP PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN!



**If Hazardous Waste,
you must dispose as
such. Consult MSDS
for proper disposal
instructions!**



Spill Center



PROTECT

- Evacuate non-essential personnel.
- Assess the spill and identify the liquid.
- Choose the proper protective clothing and equipment to safely respond.



CONFINE

- Confine the spill with absorbent socks or booms.
- Overlap socks ends several inches to prevent liquids from breaking through.



CLEAN UP

- Clean up the spill with mats, pillows or loose absorbents.
- Place the absorbents starting from the outside of the spill inward.



DISPOSE

- Place saturated absorbents in provided yellow temporary disposal bags and close with included plastic ties.
- Dispose of properly.



ABSORBENTS

- GRANULAR PRODUCTS
- ABSORBENT PADS, MATS & SOCKS
- DRUM COVERS

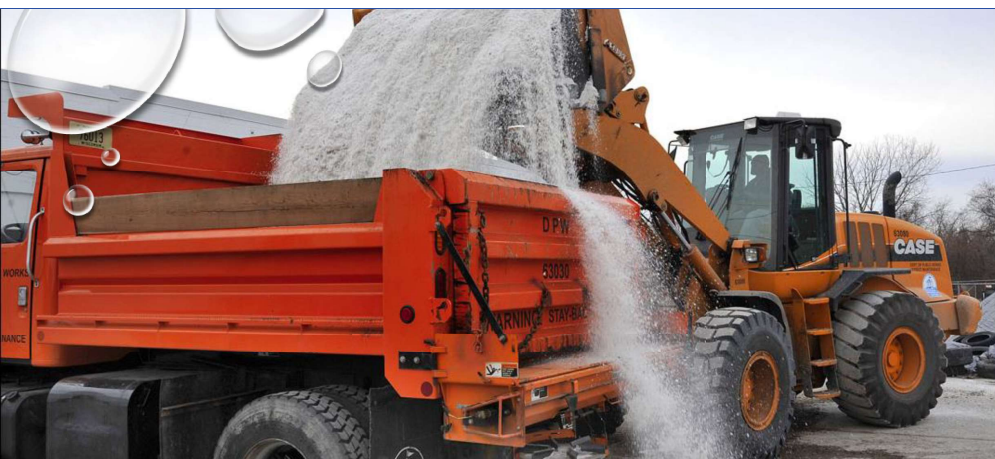
INVENTORY AND REPLENISH
SUPPLIES AS NECESSARY



Vehicles to
be washed in
designated
area only

VEHICLE WASHING

- DO NOT HOSE OFF VEHICLES INTO STORM DRAINS
- USE DESIGNATED VEHICLE WASH STATION THAT FILTERS WASH WASTER
- **AVOID EXCESSIVE DETERGENT! IT'S NOT AN AUTHORIZED RELEASE UNDER OUR NEW PAG-13 PERMIT ONCE OUR ORDINANCE REVISION IS ADOPTED**



ROAD SALTING

- AVOID OVERFILLING TRUCKS
- MAKE SURE SPREADERS ARE WORKING PROPERTY
- REDUCE APPLICATION RATES –
ONLY WHEN POSSIBLE!
SAFETY FIRST
- SWEEP UP SPILLS

SALT STORAGE



- COVER AND CONTAIN STOCKPILES
- KEEP AWAY FROM STORMWATER INLETS
- KEEP MATERIAL DRY
- SWEEP DURING & AFTER OPERATIONS

OTHER MUNICIPAL ACTIVITIES

POLLUTION PREVENTION
GOOD HOUSEKEEPING BMPS

FACILITY & ROAD MANAGEMENT

SWEEP REGULARLY USING DRY METHODS:

- ✓ BROOM
- ✓ VACUUM EQUIPMENT

AVOID HOSING DOWN & POWER WASHING TO
PREVENT POLLUTANTS FROM ENTERING MS4

REGULARLY CHECK AND CLEANUP AREAS PRONE TO
LITTER OR DEBRIS ACCUMULATION





WASTE HANDLING

- LOCATE DUMPSTERS AWAY FROM INLETS – ADD INLET FILTER IF NECESSARY
- INSPECT RECEPTACLES
- CLOSE LIDS/LEAK PROOF
- LABEL RECEPTACLES FOR CONTENTS

STOCKPILING & STAGING

- KEEP AWAY FROM INLETS AND DRAINAGE PATHWAYS
- COVER, CONTAIN AND ELEVATE TO PREVENT CONTACT WITH RAINWATER
- SWEEP UP MATERIALS!
- PLAN AHEAD AND KEEP SUPPLIES ON HAND IF NEEDED (TARPS ETC.)



PARK & OPEN SPACE MAINTENANCE

- MULCH GRASS – KEEP CLIPPINGS OUT OF STREET AND AWAY FROM INLETS
- DO NOT OVERAPPLY PESTICIDES AND FERTILIZERS OR SPRAY INTO STREETS OR PAVED AREAS IF POSSIBLE
- IF POSSIBLE, DEFINE AREAS AS “NO MOW” ZONES AND LEAVE IN NATURAL STATE – BENEFITS ARE NUMEROUS (REDUCED TIME, COST, EROSION BUFFERS, NUTRIENT REMOVAL, INFILTRATION)



COMPOSTING

- MANAGE RUNOFF FROM COMPOST SITES AND OPERATIONS
- ROUTE RUNOFF AND LEACHATE INTO TREATMENT STRUCTURE (BASIN)
- MANAGE COMPOST PILES TO PREVENT THEM FROM BECOMING ANAEROBIC





POLLUTION PREVENTION PAYS

IT EFFECTIVELY PREVENTS OR REDUCES STORMWATER POLLUTION

PREVENTING SPILLS AND LEAKS AVOIDS CLEANUP & REMEDIATION COSTS

LOWERS OUR LIABILITY

REDUCES EMPLOYEE RISK — SAFER WORKING CONDITIONS

REDUCES INSURANCE CLAIMS

AVOIDS COSTLY FINES

LOWER ALLEN TOWNSHIP LEADS BY EXAMPLE



PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN FOR THE PUBLIC WORKS FACILITY

- PLAN IMPLEMENTATION – PUBLIC WORKS COORDINATOR AND TOWNSHIP ENGINEER
- CHAIN OF COMMAND IN THE EVENT OF AN EMERGENCY OR SPILL:

1. BRADLEY MCCULLOUGH – PUBLIC WORKS DIRECTOR/TOWNSHIP ENGINEER
2. THOMAS VERNAU – TOWNSHIP MANAGER
3. DAVID HOLL – PUBLIC SAFETY DIRECTOR/EMERGENCY MANAGEMENT

SPILL LEAK PREVENTION AND RESPONSE

VEHICLE FUELING FACILITY

- ALL FUEL IS STORED IN PERMITTED UNDERGROUND TANKS
- FACILITY IS UNDER COVER
- ANY SPILL WOULD FLOW TO THE STORMWATER DETENTION BASIN

NON-REUSABLE WASTE OIL

- STORED UNDERGROUND IN A WASTE OIL TANK OUTSIDE THE BUILDING
- ANY SPILL INSIDE THE BUILDING WOULD PASS THROUGH THE BUILDING'S OIL SEPARATOR WITH FLOW CONTROL

SALT

- DEICING SALT IS STORED IN A COVERED BUILDING WHERE LOADING OPERATIONS OCCUR
- RUNOFF DIRECTED TO A STORMWATER DETENTION BASIN WITH NO DISCHARGE – SETTLING BASIN

INSPECTION AND MONITORING

- ROUTINE GENERAL INSPECTIONS OF THE SITE OCCUR ON A DAILY BASIS
- UNDERGROUND FUEL TANKS ARE EQUIPPED WITH MONITORING DEVICES WITH AN ALARM SYSTEM. THE UNDERGROUND STORAGE PERMIT REQUIRES INSPECTIONS OF THE TANKS
- FUEL DISPENSING EQUIPMENT IS INSPECTED FOR PROPER OPERATION

PREVENTATIVE MAINTENANCE

- ALL VEHICLES AND EQUIPMENT ARE INSPECTED AND MAINTAINED THROUGH A PREVENTATIVE MAINTENANCE PROGRAM RUN BY THE TOWNSHIP'S FLEET MANAGEMENT DIVISION



HOUSEKEEPING PROGRAM



MATERIAL STORAGE

- OTHER THAN BULK MATERIALS, MATERIALS ARE STORED SECURLY AND NEATLY WITHIN THE MAINTENANCE BUILDING
- ALL EMPLOYEES MAKE A CONCIOUS EFFORT TO HANDLE MATEERIALS WITH CARE TO AVOID SPILLS
- PROPER CLEANUP PROCEDURES ARE IMPLEMENTED IF A SPILL DOES OCCUR

SECURITY & TRAINING

- EQUIPMENT IS STORED IN A LOCKED MAINTENANCE BUILDING DURING NON-WORKING HOURS
- A LOCKED GATE SECURES THE YARD WASTE RECYCLING STORAGE AND PROCESSING AREA DURING NON-WORKING HOURS
- ALL MATERIALS ARE STORED IN A MANNER SO THAT POWER OUTAGES AND STORMS WOULD NOT CAUSE A SPILL OR LEAK
- THE PUBLIC WORKS DEPARTMENT HAS A SAFETY MANUAL. ALL EMPLOYEES THAT WORK ON SITE ARE TRAINED IN SAFE PERFORMANCE OF THEIR WORK IN ACCORDANCE WITH THE MANUAL





COUNTERMEASURES

- **IN THE EVENT OF AN INCIDENT, EMPLOYEES WILL UTILIZE THE COUNTY 911 SYSTEM**
- **THE TOWNSHIP OPERATES AN ALL-HAZARDS EMERGENCY RESPONSE PLAN. THIS PLAN IS OPERATED THROUGH THE TOWNSHIP EOC IF REQUIRED**
- **THE ALL HAZARDS PLAN CONTAINS RESOURCES LISTS AND CONTACT INFORMATION FOR RESOURCES THAT MAY BE NEEDED IN THE EVENT OF AN INCIDENT AT THE FACILITY**

COMMUNICATIONS/EVACUATION/EMERGENCY EQUIPMENT



- EMPLOYEES MAINTAIN CONTACT THROUGH THE USE OF MOBILE AND PORTABLE TWO-WAY RADIOS WHERE NOTIFICATIONS CAN OCCUR IF REQUIRED
- EMERGENCY EXIT PLANS ARE POSTED THROUGHOUT THE MAINTENANCE BUILDING IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE
- THERE ARE PORTABLE FIRE EXTINGUISHERS IN THE MAINTENANCE BUILDING
- ADDITIONAL RESPONSE EQUIPMENT IS AVAILABLE FROM THE PUBLIC SAFETY DEPARTMENT IF REQUIRED

QUESTIONS/COMMENTS?

REBECCA DAVIS

RDAVIS@LATWP.ORG

717-975-7575 EXT 1010

STORMWATER PROGRAM MANAGER

ID	Start time	Completion time	Email	Name	What does MSD stand for? How many Minimum Co is a pipe draining direct	Which of the following	What should you do if y	What is the rating of all	When should a spill be r	Name a type of absorb	The following is an auth	Was this training helpful		
1	4/12/21 13:14:00	4/12/21 13:14:38	rdavis@latwp.org	Rebecca Davis	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
2	4/12/21 13:21:05	4/12/21 13:27:51	maggie_cruz@latwp.org	Maggie Cruz	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
3	4/13/21 8:30:42	4/13/21 8:34:06	mark_dagostino@latwp.org	Mark Dagostino	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
4	4/13/21 8:41:10	4/13/21 8:42:24	bryan_harshbarger@latwp.org	Bryan Harshbarger	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
5	4/13/21 13:47:06	4/13/21 13:49:50	gmgate@latwp.org	Glenn McGatz	Municipal Separate Stor	0	Non-Point Source	Phosphorus	Wash the fuel off the par	None of the above	Never	Absorbent pads	Detergent from washing	1
6	4/13/21 16:12:32	4/13/21 16:16:44	bryce_thompson@latwp.org	Bryce Thompson	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
7	4/14/21 11:07:53	4/14/21 11:21:26	heather_douden@latwp.org	Heather Douden	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
8	4/14/21 14:59:35	4/14/21 15:01:34	daniel_flint@latwp.org	Daniel Flint	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	Water from sump pump	5
9	4/29/21 14:03:01	4/29/21 14:14:53	benjamin_peters@latwp.org	Benjamin Peters	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
10	4/29/21 14:16:45	4/29/21 14:17:22	brian_plank@latwp.org	Brian Plank	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
11	4/29/21 14:21:54	4/29/21 14:30:54	richard_dillon@latwp.org	Richard Dillon	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
12	4/29/21 14:24:27	4/29/21 14:30:55	jeffrey_brewbaker@latwp.org	Jeffrey Brewbaker	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
13	4/29/21 14:38:21	4/29/21 14:39:54	thomas_stambaugh@latwp.org	Thomas Stambaugh	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
14	4/29/21 14:50:57	4/29/21 14:52:02	matthew_reynolds@latwp.org	Matthew Reynolds	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
15	5/5/21 8:47:38	5/5/21 8:48:40	ryan_turpin@latwp.org	Ryan Turpin	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
16	5/12/21 14:55:08	5/12/21 14:55:31	daniel_keeting@latwp.org	Daniel Keeting	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
17	5/19/21 7:43:47	5/19/21 7:48:04	ADuncan@latwp.org	Aaron Duncan	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	Water from sump pump	5
18	5/20/21 6:52:59	5/20/21 7:06:44	jordan_sipe@latwp.org	Jordan Sipe	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	Water from sump pump	5
19	6/2/21 9:31:55	6/2/21 9:40:30	charles_reynolds@latwp.org	Charles Reynolds	Municipal Separate Stor	6	Non-Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	4
20	6/4/21 11:45:17	6/4/21 11:47:48	rdavis@latwp.org	Rebecca Davis	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
21	6/4/21 14:12:56	6/4/21 14:21:51	linda_mccool@latwp.org	Linda McCool	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
22	6/4/21 14:21:53	6/4/21 14:23:49	thomas_vernaul@latwp.org	Thomas Verna	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
23	6/4/21 14:38:29	6/4/21 14:41:00	richard_grove@latwp.org	Richard Grove	Municipal Separate Stor	3	Point Source	All of the above	Put spill dry on the spill t	Stormwater pollution is	Every time a spill occurs	All of the above	Water from sump pump	5
24	6/4/21 14:55:34	6/4/21 15:03:06	Laure_Nisael@latwp.org	Laure Nisael	Municipal Separate Stor	5	Non-Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	4
25	6/4/21 15:58:58	6/4/21 15:20:00	Kathleen_Ritter@latwp.org	Kathleen Ritter	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
26	6/7/21 8:22:38	6/7/21 8:32:09	David_holl@latwp.org	David Holl	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	4
27	6/7/21 7:55:44	6/7/21 8:35:24	richard_lehigh@latwp.org	Richard Lehigh	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
28	6/7/21 11:09:37	6/7/21 11:11:00	rhonda_shenk@latwp.org	Rhonda Shenk	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
29	6/7/21 13:33:31	6/7/21 13:39:16	nathaniel_sterling@latwp.org	Nathaniel Sterling	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	Chlorinated pool water	5
30	6/7/21 15:49:08	6/7/21 15:52:49	beverly_putric@latwp.org	Beverly Putric	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
31	6/8/21 9:01:48	6/8/21 9:07:41	william_yeagley@latwp.org	William Yeagley	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
32	6/8/21 9:48:59	6/8/21 10:02:09	donna_paul@latwp.org	Donna Paul	Municipal Separate Stor	6	Non-Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
33	6/8/21 10:38:32	6/8/21 10:41:46	helen_grundon@latwp.org	Helen Grundon	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
34	6/8/21 10:48:34	6/8/21 10:56:37	staci_morgan@latwp.org	Staci Morgan	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	Every time a spill occurs	All of the above	None of the above	5
35	6/15/21 13:02:52	6/15/21 13:04:07	bob_hamilton@latwp.org	Bob Ham	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
36	6/16/21 12:14:40	6/16/21 12:35:50	maggie_warner@latwp.org	Maggie Warner	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
37	6/21/21 17:07:55	6/21/21 17:11:33	erin_trone@latwp.org	Erin Trone	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 5 gallons	All of the above	None of the above	5
38	6/23/21 11:20:04	6/23/21 11:22:28	russell_olson@latwp.org	Russell Olson	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Stormwater chart	Every time a spill occurs	All of the above	None of the above	5
39	6/24/21 6:07:52	6/24/21 6:10:04	marshall_quartman@latwp.org	Marshall Quartman	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	Facility inventory	If it's over 2 gallons	All of the above	None of the above	5
40	6/28/21 16:34:05	6/28/21 16:36:22	john_eby@latwp.org	John Eby	Municipal Separate Stor	6	Point Source	All of the above	Put spill dry on the spill t	None of the above	Every time a spill occurs	All of the above	Water from sump pump	5

Lower Allen Township

MS4 Good Housekeeping Annual Employee Training Quiz

40
Responses

09:46
Average time to complete

Active
Status

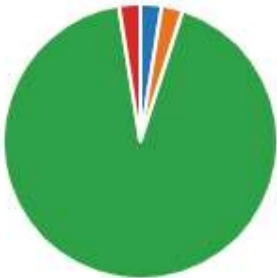
1. What does MS4 stand for?

- Municipal Stormwater Operati... 0
- Municipal Separate Storm Sew... 40
- Municipal Sanitary Sewer Syst... 0
- Municipal Stormwater Permit 0



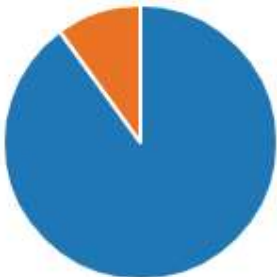
2. How many Minimum Control Measures (MCMs) are listed in the MS4 Permit?

- 5 1
- 3 1
- 6 37
- 0 1








3. Is a pipe draining directly into the Yellow Breeches Creek a point source or non-point source discharge?

- Point Source 36
- Non-Point Source 4






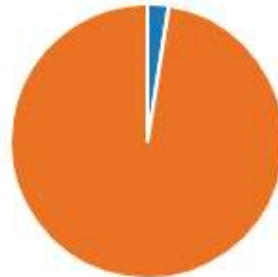
4. Which of the following are stormwater pollutants?

 Phosphorous	1
 Oil	0
 Sediment	0
 Trash	0
 All of the above	39







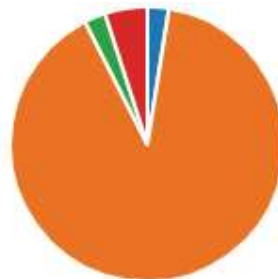
5. What should you do if you have a fuel spill when fueling a vehicle?

 Wash the fuel off the paveme...	1
 Put spill dry on the spill to abs...	39
 Don't do anything	0







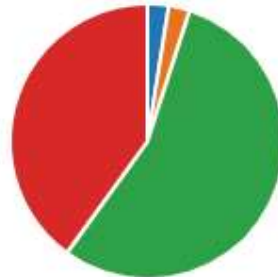
6. What is the listing of all of the Township owned properties that have a potential to generate stormwater called?

 Stormwater pollution listing	1
 Facility inventory	36
 Stormwater chart	1
 None of the above	2



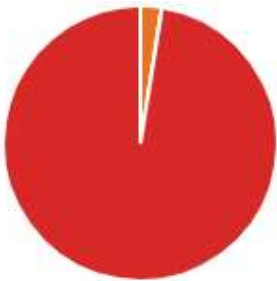
7. When should a spill be reported to the MS4 Coordinator?

 Never	1
 If it's over 2 gallons	1
 If it's over 5 gallons	22
 Every time a spill occurs	16



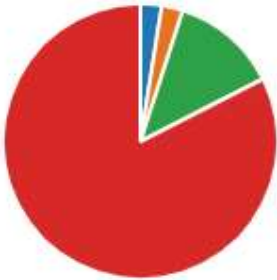
8. Name a type of absorbent

- Spill sock0
- Absorbent pads1
- Granular products0
- All of the above39



9. The following IS an authorized discharge under the new MS4 Permit ordinance revision requirements?

- Detergent from washing a veh... 1
- Chlorinated pool water 1
- Water from sump pump dishc... 5
- None of the above 33



10. Was this training helpful to your understanding of the MS4 Program?

39

Responses

4.82 Average Rating

LOWER ALLEN TOWNSHIP MS4 TRAINING SCHEDULE 2020 - 7/1/20 to 6/30/21

EMPLOYEE/DEPARTMENT	DATE	TRAINING TOPIC	LOCATION
Daniel Flint - CED	4/14/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Glenn MaGatz - CED	4/13/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Staci Morgan - CED	6/8/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Rebecca Davis - CED	7/28/2020	EPA Webinar - Green Infrastructure and Permeable Pavement	Webinar online
	7/28/2020	MS4 Workgroup Quarterly Meeting	Zoom Meeting
	10/12/2020	CSI Network Discussion - Past, Present, Future of the Clean Water Act	Go to webinar
	10/28/2020	CBLP Riparian Buffer Workshop	Zoom Meeting
	10/29/2020	Lancaster County Clean Partnership Webinar - Agricultural BMPs by TeamAg	Zoom Meeting
	10/30/2020	PA Municipal League October Conference - Speaker - Stormwater fees and authorities	Zoom Meeting
	11/5 - 11/7	CBLP Level 2 Training	Zoom Meeting
	11/13/2020	CBLP Level 2 Training	Zoom Meeting
	11/18/2020	NPDES - Water Quality Standards and TMDLs	Webinar online
	12/17/2020	Cumberland County - County Wide Action Plan - WIP - Meeting	Zoom Meeting
	1/26/2021	Phase III WIP meeting - PADEP Southcentral	Zoom Meeting
	1/26/2021	MS4 Workgroup Quarterly Meeting	Zoom Meeting
	2/3/2021	Conservation Voters - Managing Polluted Runoff	Go to webinar
	2/8/2021	CBLP Webinar - Coverting Lawns to Landscapes	Zoom Meeting
	2/17/2021	MS4ourm - Speaker - Stormwater fees	Zoom Meeting
	2/23 & 2/24 2021	Floodplain Management Workshop	Zoom Meeting
	4/12/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
	5/5/2021	MS4ourm - Speaker - Stormwater fees	Zoom Meeting
	5/14/2021	South Mountain Partnership Spring Meeting	Zoom Meeting
	5/19/2021	PA State Extension - MS4 Presentation	Zoom Meeting
	6/9/2021	PMAA Spring Management Workshop	Zoom Meeting
	6/10/2021	MS4ourm - Speaker - Stormwater fees	Zoom Meeting
John Eby - CED	6/28/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Brian Plank - PW	4/29/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Tom Vernau - ADMIN	6/4/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Erin Trone - CED	6/21/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Helen Grundon - ADMIN	6/8/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Richard Lehigh - CED	6/7/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
William Yeagley - CED	6/8/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Bryce Thompson - PW	4/13/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
	6/29/2021	CBLP Crew Maintenance Workshop	Landis Homes - Lititz
Bryan Harshbarger - PW	4/13/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Bob Hamsher - MAINT	6/15/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Mark D'Agastino - PW	4/13/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz

Matt Reynolds - PW	4/29/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Richard Grove - FINANCE	6/4/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Tom Stambaugh - PW	4/29/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Ryan Turpin - PW	5/5/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Ben Peters - PW	4/29/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Aaron Duncan - PW	5/19/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Jeff Brewbaker - PW	4/29/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Marshall Quinton - PW	6/24/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
David Holl - Public Safety	6/7/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Maggie Warner - CED	4/12/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Heather Douden - PW	4/14/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Richard Dillon - PW	4/29/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Daniel Keating - PW	5/12/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Jordan Sipe - PW	5/20/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Charles Reynolds - PW	6/2/2021	Lower Allen Township MS4 Annual Training	PowerPoint& Quiz
Linda McCool - ADMIN	6/4/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Laurie Nissel - ADMIN	6/4/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Kathleen Ritter - FINANCE	6/4/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Rhonda Shenk - ADMIN	6/7/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Nathaniel Sterling - FINANCE	6/7/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Beverly Putric - FINANCE	6/7/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Donna Paul - HR	6/8/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz
Russell Olsen	6/23/2021	Lower Allen Township MS4 Annual Training	PowerPoint & Quiz

ATTACHMENT #13
STORMWATER TRACKING LOG

	A	B	C	D	E	F	G
1	LOWER ALLEN TOWNSHIP MS4 ACTIVITIES 07-20 to 06-21						
2	Date	Employee	Location	Permit #	SLD or DP #	Other	Description of Actions
3	7/1/2020	JME	1555 Slate Hill Road			MS4	rock walls being constructed on disturbed slope from yard into roadside ditch that was partially filled with soil and rock
4	7/1/20	JME	5001 Ritter Road			MS4	observed curb inlet substantially covered with grass clippings and debris
5	7/9/20	JME	SCIC property along Shetter Lane			MS4	Observed installation of filter sock for PAW main installation project
6	7/8/20	RLD	Cumberland County/DEP WIP Meeting	N/A	N/A	MS4	Attended a DEP webinar regarding the WIP3 for Cumberland County and planning for the Countywide written action plan due by September 2020.
7	7/10/2020	RLD	1200 Slate Hill Road	N/A	N/A	MS4	Received complaints regarding grass being blown into Hartzdale Drive and Slate Hill Road and confirmed with site visit to property. Letter was mailed to the property owner.
8	7/13/2020	RLD	Allendale Development	N/A	N/A	MS4	Received complaints from a resident in Allendale regarding several property owners depositing grass clipping into Allendale Way and also Candlewyck Road. Site visit confirmed this. Letters were mailed to the properties in violation of the SWM ordinance.
9	7/13/2020	RLD	18 Columbia Drive	N/A	N/A	MS4	Received a complaint that the property owner was discharging pool water into the street. Site visit confirmed the discharge. Spoke to the property owner and followed up with Notice of Violation letter.
10	7/14/2020	JME	Citadel Drive	N/A	N/A	MS4	Received a complaint that the Cedar Run Creek near the Creek Road Bridge appeared muddy. Site visit confirmed this. PA American Company water line broke where the Township was conducting a paving project. Took pictures of the road and outfall to Cedar Run. Emailed Becky the pictures. PA American Water Company had dechlorination tablets on the inlet where the water was entering the Township MS4.
11	7/14/2020	RLD	Citadel Drive	N/A	N/A	MS4	Documented incident. Discussed issue with PADEP. PA American Water did not have inlet protection or sock around the inlet to prevent the muddy water from entering our MS4. Discussed incident with Michael Bertram and Scott Arwood from DEP. Michael performed a site visit and also forwarded the report he received from PA American Water. Incident was documented in MS4 files.
12	7/15/2020	RLD	Liberty Point	N/A	N/A	MS4	Spoke with Joe Farrell of 1706 Liberty Cove. Mr. Farrell informed me that he had a plumbing company come out and unclog the lines that were draining to his infiltration pit in the rear yard. The system is now functioning properly. Mr. Farrell also requested copies of the Subdivision Plan for Liberty Point. He is the HOA president and they will be taking over the ownership and maintenance of the stormwater basins in the development.
13	7/15/2020	RLD	Allendale Development	N/A	N/A	MS4	Received complaints regarding grass being blown into Allendale Way. I confirmed with site visit to the property. Letter was mailed to the property owner.
14	7/27/2020	RLD	1201 Slate Hill Road	N/A	N/A	MS4	PennDOT performed a street cut on old Slate Hill Road for a stormwater pipe replacement. Concrete dust left all over the road and over the stormwater inlet. Sent documentation to PADEP and called PennDOT who stated they would clean up the mess. NOV mailed on 7/29/2020.
15	7/28/2020	RLD	MS4 Workgroup - Quarterly Meeting	N/A	N/A	MS4	Conducted quarterly zoom MS4 Workgroup meeting. Topics included ESRI and outfall inspections and the Cumberland County WIP.
16	7/28/2020	RLD	EPA Webinar Attendance	N/A	N/A	MS4	Attended an EPA webinar - How green infrastructure revitalized a commercial street.
17	8/12/2020	JME	Corner Sheepford & Lisburn Roads	NA	NA	MS4	Reported clogged storm drain inlet next to SX SWM basin to DPR and RD
18	8/12/2020	JME	1300 block Spanglers Mill Road	NA	NA	MS4	Reported clogged storm drain inlet across from HBI asphalt plant
19	8/12/2020	JME	1817 Hummel	NA	NA	MS4	Reported illicit discharge from commercial vehicle washing to RD

	A	B	C	D	E	F	G
20	8/13/2020	RLD	MS4 Workgroup - WIP Meeting	N/A	N/A	MS4	Virtual meeting with MS4 Workgroup members to comment on draft county wide action plan and WIP presentation at our July Workgroup meeting.
21	8/14/2020	RLD	N/A	N/A	N/A	MS4	Annual report questions to PADEP - Scott Arwood
22	7/29/2020	RLD	Old Slate Hill Road	N/A	N/A	MS4	Sent NOV to PennDOT for discharging concrete on the road and into a stormwater inlet when they sawcut Old Slate Hill Road.
23	8/17/2020	RLD	Vitran Properties - Hartzdale Drive	N/A	N/A	MS4	Sent NOV to Vitran Properties on Hartzdale Drive for depositing grass clippings into the street.
24	8/20/2020	RLD	18 Columbia Drive	N/A	N/A	MS4	Sent NOV to 18 Columbia Drive for discharging pool water into the street.
25	9/10/2020	RLD	Zoom meeting with Lycoming College	N/A	N/A	MS4	Virtual teams meeting with Lycoming College about a research project that they are compiling on MS4 Communities.
26	9/15/2020	RLD	The Cliffs Subdivision	N/A	N/A	MS4	Received a complaint from a resident in the Cliffs development that a resident was spraying pesticides and killing all of the vegetation in the common area. Investigation revealed that roundup was used to kill weeds and overgrown brush.
27	9/24/2020	RLD	Annual Report Submission	N/A	N/A	MS4	Submission of MS4 Annual Report to PADEP.
28	10/1/2020	RLD	PMAA Stormwater Workgroup	N/A	N/A	MS4	Virtual meeting with members of PMAA - discussion of stormwater fees.
29	10/9/2020	RLD	YBWA	N/A	N/A	MS4	Virtual meeting with Shawn Fabian, YBWA, to discuss upcoming meeting and presentation.
30	10/15/2020	RLD/DF	Pennsy Supply - Manor Drive	N/A	N/A	MS4	Sent NOV to Pennsy Supply for washing off vehicle covered in concrete into the street along Manor Drive at the Rossmoyne Elementary School Construction Site.
31	10/15/2020	RLD/MC	1015 Slate Hill Road	N/A	N/A	MS4	Sent NOV to Kindt Properties for construction without a permit and adding impervious area without a stormwater management plan.
32	10/15/2020	RLD	Webinar - Penn State Extension	N/A	N/A	MS4	Lunch & Learn Webinar for stormwater infrastructure bmp solutions.
33	10/15/2020	RLD	4005 Glenfinnan Place - final inspection	20200054	N/A	MS4	Final Inspection - Stormwater infiltration trench
34	10/16/2020	RLD	Training - Approved Code Services	N/A	N/A	MS4	Sent training information to Approved Code Services - 3rd party commercial inspection agency - for MS4/E&S training.
35	10/21/2020	RLD	Pennsy Supply - Manor Drive	N/A	N/A	MS4	Pennsy Supply called regarding concrete washing along Manor Drive. They had a street sweeper come to the project site and cleaned the road as well as the stormwater inlet where the washing occurred.
36	10/29/2020	RLD	Site Visits to Bioretention Basins	N/A	N/A	MS4	Inspected Public Works and Sheepford West Bioretention Basins during rain event
37	10/29/2020	RLD	Site Visit to Lonk Lane swale	N/A	N/A	MS4	Inspected swale behind Lonk and Ewe roads to ensure it was functioning properly after the Township regraded and seeded the area.
38	11/3/2020	JME	Capital City Mall - Hartzdale Drive	20200499	N/A	MS4	Mall is having a food truck event. Discussed with Becky provisions to place on permit to not allow illicit discharges during event.
39	11/18/2020	RLD	YBWA	N/A	N/A	MS4	Discussion with Shawn Fabian, YBWA member, regarding presentation at the annual meeting and content to discuss on PRP projects
40	11/19/2020	RLD	YBWA Annual Meeting	N/A	N/A	MS4	Presentation at the YBWA annual meeting. Lower Allen Township's PRP Projects
41	12/17/2020	RLD	Broken water line	N/A	N/A	MS4	PA American Water Company had a water line break in the Windsor Park Development. PADEP was notified and I worked with Michael Benham from DEP to report the closest outfall to the water line break.
42	12/18/2020	RLD	Broken Water line	N/A	N/A	MS4	PA American Water Company had a water line break at 141 Limestone Drive. PADEP was notified and I worked with Michael Benham from DEP to report the closest outfall to the water line break.
43	1/8/2021	RLD	Broken water line	N/A	N/A	MS4	PA American Water Company had a water line break on Linden Drive. PADEP was notified and I worked with Michael Benham from DEP to report the closest outfall to the water line break.
44	1/8/2021	RLD, JME	YBWA Coordination Meeting	N/A	N/A	MS4	Met with John Eby and Shawn Fabian from YBWA to discuss teaming on a green streets project grant opportunity through the Chesapeake Bay Foundation.
45	1/15/2021	RLD, GM	Moreland Basin	N/A	N/A	MS4	Conducted infiltration test at Moreland Basin for the Bioretention PRP Project

	A	B	C	D	E	F	G
46	1/21/2021	RLD	Winter Salt Watch Webinar	N/A	N/A	MS4	Webinar on salt pollution in water quality in the United States.
47	1/21/2021	RLD, JME	YBWA Coordination Meeting	N/A	N/A	MS4	Met with John Eby and Shawn Fabian from YBWA to discuss teaming on a green streets project grant opportunity through the Chesapeake Bay Foundation.
48	1/28/2021	REL	3254 Mateer Lane	20200562	N/A	MS4	Preformed construction site inspection.
49	1/28/2021	REL	3256 Mateer Lane	20200563	N/A	MS4	Preformed construction site inspection.
50	2/3/2021	REL	3254 Mateer Lane	2020056	N/A	MS4	Preformed construction site inspection.
51	2/3/2021	REL	3256 Mateer Lane	20200563	N/A	MS4	Preformed construction site inspection.
52	2/8/2021	RLD	BMP 2nd Mailing	N/A	N/A	MS4	Completed 2nd mailing to BMP owners reminding them of annual BMP Inpsection Requirement.
53	2/11/2021	REL	3254 Mateer Lane	20200562	N/A	MS4	Preformed construction site inspection.
54	2/11/2021	REL	3256 Mateer Lane	20200563	N/A	MS4	Preformed construction site inspection.
55	2/17/2021	RLD	MS4-orum Cumberland County	N/A	N/A	MS4	Speaker at the Cumberland, York, Lancaster MS4orum virtual event. Spoke about establishing a stormwater authority and stormwater fees.
56	3/4/2021	DJF, BM	CH&N Site Erosion & Sedimentation Complaints	N/A	N/A	MS4	Site visit to Arcona Phase 8. Dirt and mud being tracked onto Township streets from the construction site. Met with site contractor and addressed the issues. Contractor was notified that a stop work order will be issued by 3/5/21 if the violations are not addressed. Road should be swept and washed.
57	3/8/2021	RLD, GM, BPT	Outfall Inspections	N/A	N/A	MS4	Performed outfall inspections
58	3/10/2021	RLD, GM, BPT	Outfall Inspections	N/A	N/A	MS4	Performed outfall inspections
59	3/10/2021	RLD	BMP Spreadsheet	N/A	N/A	MS4	Updated the BMP spreadsheet to determine missing BMP insepction forms.
60	3/11/2021	RLD	Outfall Inspections	N/A	N/A	MS4	Performed outfall inspections
61	3/11/2021	RLD	Spill -1298 Kingsley Drive	N/A	N/A	MS4	Township was notified that a PennWaste truck was leaking hydraulic fluid. Township staff went to the site at 1298 Kingsley Drive and the spill was already being cleaned up by PennWaste. There was no discharge to the Township's MS4.
62	3/15/2021	RLD	21 Santa Maria Avenue	N/A	N/A	MS4	NOV sent to 21 Santa Maria Avenue for placing dirt and stones in the floodway along Cedar Run.
63	3/16/2021	RLD	21 Santa Maria Avenue	N/A	N/A	MS4	Cumberland County Conservation District conducted a site visit to 21 Santa Maria Avenue for fill placed in the floodplain and floodway. A NOV was sent on behalf of the conservation district regarding violations of Chapter 105. A complaint referral was made to PADEP regarding placemnt of fill in the floodway along Cedar Run.
64	3/24/2021	RLD	Gettysburg Road and Windsor	N/A	N/A	MS4	PennWaste called into the Township to report one of their trash trucks had a hydraulic line break and was leaking fluid on Windsor Road near Gettysburg Road. They were in the process of applying high dri to absorb any fluid that was spilled on the road. Staff visited the site and the spill was completely cleaned up and there was no release to the Township's MS4 system.
65	3/25/2021	RLD, GM	21 Santa Maria Avenue	N/A	N/A	MS4	Site meeting conducted at 21 Santa Maria Avenue. PADEP and the CCCD met with Lower Allen Township and the property owner to discuss the fill and rocks that were placed in the floodway along Cedar Run. The property owner was responsive and willing to move the dirt and rock. PADEP requires a GP-11 permit to alter the streambank and the process was explained to the onwers. The owners installed silt fence around the dirt and will move the dirt to area on the proeprty out of the floodplain when the ground dries out. A fill and excavation permit will be required by the Township.
66	3/25/2021	RLD	2421 New York Avenue	N/A	N/A	MS4	Final inspection for 2421 New York Avenue. Infiltration trench installation in rear yard and adjacent to driveway.
67	4/1/2021	RLD	Complaint about mud on Strong Road at the Arcona building site	N/A	N/A	MS4	Site visit to Strong Road revealed a street sweeper cleaning the mud and dust off the road.

	A	B	C	D	E	F	G
68	4/6/2021	REL	3256 Mateer Lane	20200563	N/A	MS4	Preformed constuction site inspection.
69	4/14/2021	REL	3254 Mateer Lane	20200562	N/A	MS4	Preformed constuction site inspection.
70	4/23/2021	RLD	BMP Inpsections	N/A	N/A	MS4	Township BMP inspections
71	4/27/2021	RLD	Quarterly MS4 Workgroup Meeting	N/A	N/A	MS4	Hosted and conducted the quarterly MS4 Workgroup Meeting
72	4/28/2021	RLD	Speaker - PSATS Stormwater 101	N/A	N/A	MS4	Speaker at the PSATS Stormwater 101 Virtual seminar
73	5/5/2021	RLD	Speaker - MS4orum	N/A	N/A	MS4	Speaker at the MS4orum virtual event offered by EPA - topic stormwater fees
74	5/12/2021	RLD	EPA Webinar	N/A	N/A	MS4	EPA R1's MS4 Construction Site Inspeciton Webinar
75	5/17/2021	REL	3424 Simpson Ferry Road	2021-0079	N/A	MS4	Received complaint that addition was beginning at Gish's furniture and E&S controls were not installed. Richard Lehigh went out the site to inform the contractor and explained that inspections would cease until the controls were installed. The controls were installed on 5/19/2021.
76	5/20/2021	RLD	305 Manchester Road	N/A	N/A	MS4	I received a complain that the resident at 305 Machester Road was draining pool water onto the road. Field observation validated the complaint. Spoke to homeowner and explained the reasons that this is not permitted. Following up with NOV.
77	06/04/21	RLD	4191 Gettysburg Road	N/A	N/A	MS4	Received complaining that raw sewage was coming out of a lateral and going into a stormdrain at 4191 Gettysburg Road. Site visit revealed cap missing from lateral and sewage and toilet paper in parking lot next to mobile home park. Inlet drains to Cedar Run. No sewage was observed in Cedar Run. NOV sent.
78	06/10/21	RLD	3 West Shore Drive	N/A	N/A	MS4	Received a complaint that a property owner piles leaves and grass clippings in the street. Went out to the property and the owner had bagged all of the debris for trash pick up.
79	06/04/21	RLD	212 Creekwood Drive	N/A	N/A	MS4	Received a complaint that a propert owner piled sand in the street and installed an on ground pool withour a permit in the floodplain. The pool has been removed, and the property owner was notified to remove the sand from the street.
80	06/10/21	RLD, GM	Speaker - MS4orum	N/A	N/A	MS4	Speaker at the MS4orum virtual event offered by EPA - topic stormwater fees
81	06/14/21	REL	3256 Mateer Lane	20200563	N/A	MS4	Preformed constuction site inspection.
82	06/18/21	BPT	3400 Hartzdale Drive	N/A	N/A	MS4	Recieved a complaint that contractor had blown grass clippings onto roadway. Went to property and observed that the contractor had blown it off the road.
83	06/18/21	BPT	2232 Gettysburg Road	N/A	N/A	MS4	Recieved a complaint that The Box Hand Car Wash property owner is letting vehicle detailing towels blow away from their property and blocking stormwater inlets as well as littering rain gardens in the area. Field observations validated complaint, Letter was mailed to the property owner on 6-21-2021.
84	6/22/2021	BPT	1226 Rossmoyne Road	N/A	N/A	MS4	Stormwater runoff was observed while driving by property. Upen investigation, it was determined that runoff was coming from a construction site. The sediment was reaching drains on Rossmoyne Road. Letter was mailed to school district on 6-22-2021.
85	6/24/2021	BPT	11 Colgate Drive	N/A	N/A	MS4	Recieved a complaint from a resident that his neighbor was blowing his grass into the road and said it would clog the storm inlets and makes the road slippery. Performed a site inspection and comfirmed complaint. Followed up with an informational letter.

ATTACHMENT #14

PRIORITY OUTFALL INSPECTIONS & PHOTOGRAPHS

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Lower Allen Township	NPDES Permit No.: PA 133511
Date of Inspection: 3/11/2021	Outfall ID No.: CR 5.0
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 13' 08.9"</u>
	Longitude: <u>76° 56' 01.3"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 3/1/2021
	Amount of Previous Precipitation: 1.16 in
Inspector Name(s): Renecca Davis, Bryce Thompson, Glenn MaGatz	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single	Diameter: <u>60</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
	<input type="checkbox"/> PVC <input type="checkbox"/> HDPE	<input type="checkbox"/> Elliptical <input type="checkbox"/> Double		
	<input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Box <input type="checkbox"/> Triple		
		<input type="checkbox"/> Other <input type="checkbox"/> Other		
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete	<input type="checkbox"/> Trapezoid	Depth: _____ in Top Width: _____ in Bottom Width: _____	
	<input type="checkbox"/> Earthen	<input type="checkbox"/> Parabolic		
	<input type="checkbox"/> Rip-Rap	<input type="checkbox"/> Other		
	<input type="checkbox"/> Other			

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).

Rebecca L. Davis

Responsible Official Name

717-975-7575 Ext.1010

Telephone No.



Signature

3/11/2021

Date



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Lower Allen Township	NPDES Permit No.: PA 133511
Date of Inspection: 3/11/2021	Outfall ID No.: CR 9.0
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: 40° 13' 03.6"
	Longitude: 76° 56' 28.2"
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 3/1/2021
	Amount of Previous Precipitation: 1.16 in
Inspector Name(s): Rebecca Davis, Bryce Thompson, Glenn MaGatz	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" 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 checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input checked="" 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: 12 in Top Width: 24 in Bottom Width: 24	

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).

Rebecca L. Davis

Responsible Official Name

717-975-7575 Ext.1010

Telephone No.

Signature

3/11/2021

Date



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Lower Allen Township		NPDES Permit No.: PA 133511		
Date of Inspection: 4/6/2021		Outfall ID No.: YBC 34.0		
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 checked="" type="checkbox"/> Other: Rural		Latitude: <u>40° 11' 50.7"</u> Longitude: <u>76° 55' 03.4"</u> Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date of Previous Precipitation: 4/2/2021 Amount of Previous Precipitation: 1.00 in		
Inspector Name(s): Rebecca Davis, Bryce Thompson, Glenn MaGatz		Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Photographs Attached? <input checked="" 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 checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input checked="" 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: 96 in Top Width: 144 in Bottom Width: 24	
Dry Weather Flow Present at Outfall During Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If No, skip to Certification Section)</i>				
Description of Flow Rate: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Significant <input type="checkbox"/> N/A				
DRY WEATHER FLOW EVALUATION				
Does the dry weather flow contain color? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain an odor? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Is there an observed change in the receiving waters as a result of the discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? <input type="checkbox"/> Yes <input type="checkbox"/> 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).

Rebecca L. Davis

Responsible Official Name

717-975-7575 Ext. 1010


Telephone No.



Signature

4-6-2021

Date

A photograph of a tree trunk with a research tag. The tree trunk is thick and has a deeply textured, furrowed bark. It is surrounded by a dense thicket of thin, leafy branches and shrubs. In the background, a body of water is visible through the branches. The ground is covered with dry leaves, twigs, and some green vegetation. A white research tag is attached to the tree trunk.

YBC-34

4-6-2021

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Lower Allen Township	NPDES Permit No.: PA 133511
Date of Inspection: 6/17/2021	Outfall ID No.: YBC 40.0
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: Golf Course	Latitude: 40° 10' 32.6"
	Longitude: 76° 55' 16.1"
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 6/14/2021
	Amount of Previous Precipitation: 0.02 in
Inspector Name(s): Rebecca Davis, Bryce Thompson	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" 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: 48 in	<input checked="" 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).

Rebecca L. Davis

Responsible Official Name

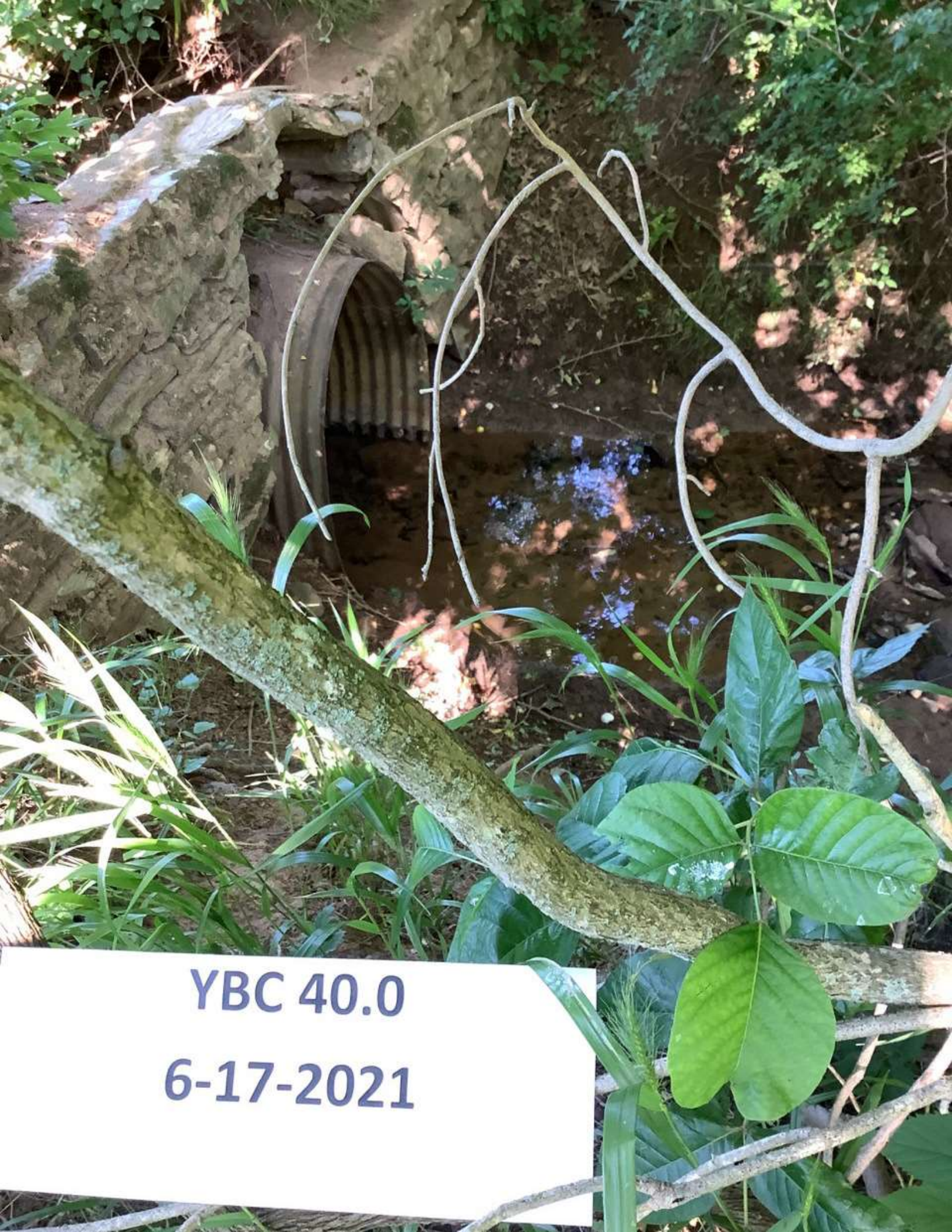
717-975-7575 Ext.1010

Telephone No.

Signature

6/17/2021

Date



YBC 40.0
6-17-2021

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Lower Allen Township	NPDES Permit No.: PA 133511
Date of Inspection: 6/17/2021	Outfall ID No.: YBC 41.0
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Other: Golf Course	Latitude: 40° 10' 31.0"
	Longitude: 76° 55' 12.8"
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 6/14/2021
	Amount of Previous Precipitation: 0.02 in
Inspector Name(s): Rebecca Davis, Bryce Thompson	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" 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 checked="" type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input checked="" 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: 24 in Top Width: 48 in Bottom Width: 36	

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).

Rebecca L. Davis

Responsible Official Name

717-975-7575 Ext.1010

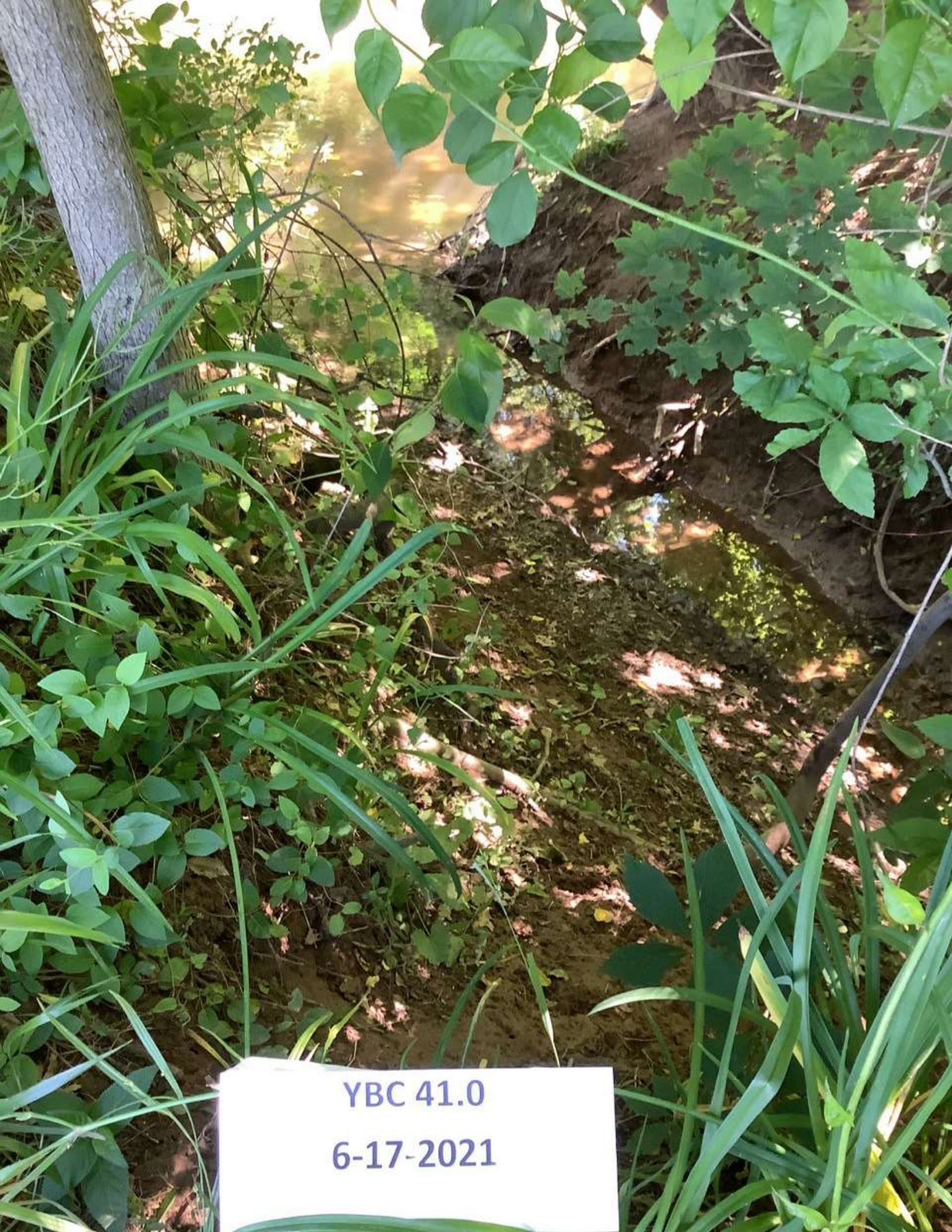
Telephone No.



Signature

6/17/2021

Date



YBC 41.0
6-17-2021