

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS – 4)
ANNUAL REPORT

FOR

Lower Allen Township, Cumberland Co.

Submitted

PERMIT YEAR 07/18 – 06/19

PREPARED BY:

LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY, PA

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TRANSMITTAL LETTER

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

September 24, 2019

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, 2018 to June 30, 2019.

Please contact our office with any questions.

Sincerely,

Rebecca L. Davis
MS4 Coordinator

cc: Thomas G. Vernau, Jr., Township Manager
Daniel J. Flint, P.E., NSPE, Township Engineer/Public Works Director

Department of Environmental Protection

Annual Report Form for MS-4 Program

Form 3800-FM-BCW0491

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

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

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:	MS4 Coordinator	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):

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

WATER QUALITY INFORMATION

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

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

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: May 15, 2019 (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 inforamtion for distribution to the public at the front counter of the Township. The Target Audience list has been updated to add businesses in the Township and more specifically Fueling Facilities, and continues to be updated as new Target Audience Groups in the Township are identified (See Attachment #2). The township enacted a Stormwater Fee in April of 2019 and utlitized the billing database to update the list as well.The Township updated printed materials that are handed out with building permits (See Attachment #11). The Township updated pamphlets that are handed out at the Township entrance (See Attachment #17).

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. Annually review, evaluate, and revise the Public Education and Outreach Program
   2. 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.

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: 5/15/2019 (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: 5/15/2019 (See Attachment #1, Attachment #2, & 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 Townhsip'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 disharges and BMP inspections.There is also an image called "Lower Allen Stormwater" on the homepage that contains information about the Township's process of enacting a stormwater program and associated fee. 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 2018 contained information regarding a Stormwater Program Fee Update and Grass Clippings. Fall 2018 had a Stormwater Program Update article and an MS4 Update about leaves and Stormwater. Winter of 2018/2019 had information about the Stormwater Program and Best Management Practices (BMPs). Spring of 2019 had a Stormwater Program Update and an article on installing a raingarden on your property. Summer 2019 had a Stormwater Program Update and Illicit Dischages and how to prevent and report them.. The Township Facebook page posts links to various MS4 related activities (See Attachment #4). The Township provided a stormwater coloring page that was put in participants giveaway bags at the Annual Easter Egg Hunt held on April 13, 2019. (See Attachment #5). The Township held their Annual Gardener's Gathering Event on April 27, 2019. This was advertised in the Township newsletter, website and facebook (See Attachment # 6). The Township offered a Stormwater Presentation to the public at the Gardener's Gathering. The topic was "The Benefits of Establishing a Stormwater Fee" (See Attachment #6). The Township provided informational pamphlets at the Earth Day Festival held in Mechanicsburg Borough on April 20, 2019 (See Attachment #7). The Township participated in the West Shore Council of Governments annual stormwater management advertisment in the Patriot Newspaper on June 2, 2019 (See Attachment #8). The Township spoke to at the annual PENNBOC conference on September 27, 2018 - the presentation was titled " MS4 - Stormwater Management" (See Attachment #9). The Township spoke at an MS4orum conference held on June 3, 2019 at the Lancaster Public Safety Training Center (see Attachment #10). The topic was "Back to Basics - MS4 for Elected Officials" (See Attachment #10). The Township revised it's General Permit Application Handouts to include Best Management Practices for Stormwater Management on Construction Sites & Best Management Practices for Fresh Concrete and Mortar Application on Construction Sites (See Attachment #11). The Township created an outreach flyer and sent it to the Target Audience List - Fueling Facilities - the first week of June 2019 (see Attachement #14).The Township had an annual Stormwater Management Presentation at the Board of Commissioners April 8, 2019 meeting. The presentation contained information on the MS4 Program and our NPDES permit and Pollution Reduction Plan (see Attachment #13).

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 edcuate the community about stormwater manangment. The Township will participate in Earth Day events and speak at our annual Gardner's Gathering event. The Township will place articles in the quarterly newsletter regarding stormwater management and the stormwater fee adoption process. The Township will update information handed out with permits regarding stormwater management.The Township is planning on doing outreach to pet owners that register for our dog park regarding proper handling of pet waste.The Township is also planning on performing outreach to restaurant owner's regarding proper handling and disposal of grease and maintaining their grease traps.

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 created two new handouts for stormwater educational outreach to add to our builidng permit handouts regarding Erosion & Sedimentation Control and Proper Concrete Disposal (See Attachment #11.) The Township had brochures available to the public at the National Night Out Event on August 7, 2018 (See Attachement #15). The Township Participated in the West Shore Council of Goverments Stormwater Pollution Advertisement in the Patriot Newspaper on June 2, 2019 (See Attachement #8) The Township held a public meeting on April 8, 2019 regarding MS4 and Stormwater (see Attachment #13). The Township sent mailings to two geographic regions regarding the harmful effects of placing grass clippings in the street (See Attachment #16). The Township mailed a Best Management Practices outreach flyer to

the target audience listing of fueling facilities (See Attachment #14). The Township handed out pamphlets at the Mechanicsburg Earth Day Festival on April 20, 2019 (See Attachment #7). The Township had brouchres at our Municipal Services Center that were available to the public for the entire reporting period (See Attachment #17).

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: May 15, 2019 (See Attachment #1) Were updates made? ☒ Yes ☐ No

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

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? ☒ Yes ☐ No

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

The Public Participation component of the PRP consisted of the following:

1. Advertisement in a newspaper of general circulation (Patriot News) on June 27, 2017.
2. The ad stated that the Draft PRP was available for review at the Township Office and on the Township website.
3. The ad stated that Public Comment would be received at the Board of Commissioners meeting on July 10, 2017.
4. The ad stated that written comments would be received until July 31, 2017

(See Attachment #20).

5. Comments recevied on Initial PRP Sumbission on 5/22/18 & 7/27/18.
6. Revised PRP submitted to DEP on 10/22/18.
7. PRP Approved by PADEP on 12/19/18 (See Attachment #18).

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
Chesapeake Bay Pollution Reduction Plan	June 27, 2017	July 10, 2017 (public meeting)	September 16, 2017 & Revised on 10/22/2018 Approved by PADEP on 12/19/2019

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: Annual MS4 Update meeting held on April 8, 2019 at theTownship Board of Commissioners meeting. This meeting was advertised in the Patriot News, on the Township's website, and also on Facebook (See Attachments #4 & #13).

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

The Township participated in a streamside cleanup event that was organized by the Yellow Breeches Watershed Assocation. The date of the clean up event was March 30, 2019 (See Attachment #12).

The Township held it's annual National Night Out event at the Municipal Services Center on August 7, 2018. There was an informational table set up with MS4 brouches available to the attendees (See Attachment #15).

The Township presented to the Yellow Breeches Watershed Association on December 6, 2018, regarding MS4 Regulations and how the Watershed Association and municpalities can work together to achieve our goals.

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

   The Township participated in a streamside cleanup event that was organized by the Yellow Breeches Watershed Assocation. The date of the clean up event was March 30, 201 (See Attachment #13).

   The Township held it's annual National Night Out event at the Municipal Services Center on August 7, 2018. There was an informational table set up with MS4 brochures available to the attendes (See Attachment #15).

   The Township held an informational meeting on our MS4 Program at the April 8, 2019 Board of Commissioners meeting (See Attachment # 13).

   The Township presented to the Yellow Breeches Watershed Association on December 6, 2018, regarding MS4 Regulations and how the Watershed Association and municipalities can work together to achieve our goals.

MCM #2 Comments:

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

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

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

   ☐ Yes ☐ No

2. Date of latest annual review of IDD&E program: 5/15/2019 (see Attachment #3) 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): 6/10/2019

3. Total No. of Outfalls in MS4: 83 Total No. of Outfalls Mapped: 83

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): 6/10/2019

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

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

1. How many unique outfalls (and if applicable observation points) were screened during the reporting period? 18

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: 55%

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

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" was created and placed in the Municipal Services Center Community and Economic Development Department Counter. The pamphlet was also handed out at the Township's Gardner's Gathering Event and the Mechanicsburg Earth Day Festival (See Attachment #'s 6, 7, &11). Township quarterly newsletter articles throughout the reporting period addressed illicit discharges (See Attachment #4).The Township had all new employees take part in training for MS4 Regulations (See Attachment #19). The Township had the fire company and police department participate in a MS4 Training (See Attachment #19). The Township held it's annual MS4 Training with all employees on April 17, 2019 (See Attachment #20). A training log for all Township Employees is included in this report in Attachment #20.

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 #21 submitted with this report contains illlicit discharge investigations and documentation. There were several investigations that occurred in Lower Allen Township during the reporting period. Attachments #22 and #23 contain outfall inspection forms and pictures for the reporting period. Priority outfalls were inspected this reporting period and will continue to be inpsected each year of our permit in addition to other outfall inpsections performed. Lower Allen Township has not adopted a new Storwmater Management Ordinance to date. We will adopt the ordinance by the required due date in our written permit, 9/30/2022.

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 #11).The Township tracks E&S controls and their management when visiting sites for building permit inspections (See Attachment #20).

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 #24 & #25 for PCSM BMP Inventory, BMP Inspection Reports, and Description of Operation & Maintenance Procedures			° ' "	° ' "			
2				° ' "	° ' "			
3				° ' "	° ' "			
4				° ' "	° ' "			
5				° ' "	° ' "			
6				° ' "	° ' "			
7				° ' "	° ' "			
8				° ' "	° ' "			
9				° ' "	° ' "			
10				° ' "	° ' "			
11				° ' "	° ' "			
12				° ' "	° ' "			
13				° ' "	° ' "			
14				° ' "	° ' "			

15				° ' "	° ' "			
16				° ' "	° ' "			

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 #25

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 permitee that have the potential to generate stormwater runoff into the MS4? ☒ Yes ☐ No

2. When was the inventory last reviewed? 6/10/2019

3. When was it last updated? 6/10/2019- See Attachment #26 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: 5/15/2019

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: 6/10/2019 Date of latest training: 4/17/2019

3. Training topics covered:

   MS4 Good Housekeeping Annual Employee Training (See Attachment #20).

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

   Rebecca L. Davis, MS4 Coordinator

5. Names of training attendees:

   See Attachment #20 for content covered and attendees.

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 #20 as well as a MS4 Activity Tracking Sheet for MS4 related activities that Lower Allen Township employees participated in. These trainings are in addition to the training that was held on 4/17/2019. Attachment #27 includes Lower Allen Township's Public Works Operation & Maintenance Report for 2018 and Attachment #26 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	☒	
Source Inventory		☐	9/30/2020
Investigation of Suspected Sources		☐	9/30/2022
Ordinance/SOP for Controlling Animal Wastes		☐	9/30/2022

PCM Comments:

Attachment #29 is the Storm Sewershed Map. See attachment #30 for a PCM clarificaiton letter and response email sent to PADEP during the reporting period.

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
☒ Chesapeake Bay PRP (Appendix D)	9/16/2017	12/19/2018	Chesapeake Bay
☒ Impaired Waters PRP (Appendix E)	9/16/2017	12/19/2018	Cedar Run, Yellow Breeches, Susquehanna River, Chesapeake Bay
☐ TMDL Plan (Appendix F)			
☐ Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
☐ 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)
☒ 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
☒ 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
☐ TMDL Plan (Appendix F)			
☐ Combined Chesapeake Bay / Impaired Waters PRP			
☐ Combined PRP / TMDL Plan			

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

PRP submitted to PADEP on 9/16/17. Comments were received from PADEP at Lower Allen Township on June 11, 2018. A response letter was mailied on June 20, 2018 requiring clarification to several items in the comment letter. A response leter was received from PADEP on August 2, 2018. A revised PRP was submitted to PADEP on 10/22/18. A resonse letter The Township recevied PADEP PRP Plan Approval in the form of a written letter on 12/19/2018. (See Attachment #18).

The PRP projects consist of retrofitting 10 detention basins into bioretnetion facilites. Design for the first 2 basins is complete. Documents are being prepared for the projects to go out to bid this winter for a 2020 spring construction.

6. Anticipated activities for next reporting period.

Design for the retrofit of basins 3 & 4 will commence. The Township will begin 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.

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)
						° ' "	° ' "		☐	☐	
						° ' "	° ' "		☐	☐	
						° ' "	° ' "		☐	☐	
						° ' "	° ' "		☐	☐	
						° ' "	° ' "		☐	☐	

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 Inspect -ion	Satis-factory?
	See Attachment #28					° ' "	° ' "				☐
						° ' "	° ' "				☐
						° ' "	° ' "				☐
						° ' "	° ' "				☐
						° ' "	° ' "				☐
						° ' "	° ' "				☐

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.	
Name of Responsible Official	Signature
717-975-7575	9/24/2019
Telephone No.	Date

ATTACHMENTS TO ANNUAL REPORT

LOWER ALLEN TOWNSHIP

MUNICIPAL SEPERATE STORM SEWER SYSTEM (MS-4) PROGRAM

ATTACHMENT #1

Public Education and Outreach Plan

PUBLIC EDUCATION & OUTREACH PLAN

FOR

MS4 PROGRAM – MCM #1
LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PA

REVISED 05-15-2019

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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 2018 Plan (See attachment # 2) was performed by the staff on May 6, 2019. The results of this review are presented in Attachment #3 and are reflected in the 2019 plan as it appears below:

2019 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.

ATTACHMENT #1

Permit Requirements

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.

ATTACHMENT # 2

2018 PLAN

2018 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.

2019 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 flyers handed out at Township Annual Easter Egg Hunt.
f. MS4 quarterly newsletter articles published in the Township's newsletter.
g. MS4 Presentation at the annual Gardner's Gathering event.
h. Participated in the fall 2018 CAPCOG MS4 Advertisement in the local newspaper
i. Presented MS4 Annual Program Update at Board of Commissioners public meeting. Advertised meeting in local newspaper and placed information on Facebook
j. Spoke at the fall PennBoc conference to educate building code officials on MS4 Requirements.

ATTACHMENT # 3

Annual MS-4 Program Review

LOWER ALLEN TOWNSHIP
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

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**
MS4 Coordinator

CC: **Daniel J. Flint, P.E., NPSE, Township Engineer/Public Works Director**
Ray Allen, Engineering Technician

DATE: **5/6/2019**

SUBJECT: **MS-4 Annual Review Meeting Minutes**

On May 6, 2019, Daniel Flint, Rebecca Davis & Raymond Allen met to review and revise as necessary the Lower Allen Township MS-4 Program. The program was discussed in the order of the six (6) Minimum Control Measures (MCMs) that make up the program.

MCM#1 – Public Education and Outreach

The target audience list can be updated with the data provided by the Township's consultant that performed the Stormwater Fee Study. Every parcel in the Township documented and their classification at Single Family Residential, Commercial, Non – Residential. The Township

performed significant outreach this permit cycle for MS4 and also for the Stormwater Fee. The annual public meeting to discuss MS4 was held in April of 2019. Several public meetings were held for the Stormwater Fee as well.

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. Discussion of doing a group mailing to gas stations was discussed to satisfy the requirements of this MCM. Continued outreach will occur to schools, business associations, and summer recreation programs as part of this MCM.

MCM #3 – Illicit Discharge Detection and Elimination

Priority outfalls have been identified and inspected in the fall. Additional outfall inspections are ongoing. The website has been updated with and IDD&E Reporting Mechanism. A hotline for Illicit Discharge complaints has also been discussed. A chain of custody form has been obtained from Analytical Labs in Middletown if sampling of outfalls becomes necessary during IDD&E investigations. 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 is required to map the storm sewer sheds that drain to these impaired waterways and determine sources of impairment. A letter will be sent to PADEP regarding clarification of these requirements of the PAG-13 Permit. Sampling could be performed in these areas to determine if there are pollutants in the waterways.

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.

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.

MCM#6 – Pollution Prevention/Good Housekeeping

Trainings have occurred for Police and Fire this permit year. 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.

General Discussion

Upcoming efforts were discussed for the year. The annual report will be an area of focus. In addition, the Pollution Reduction Plan is ongoing with design beginning for two of the ten basin retrofits. The Pollution Control measures are another area that efforts will be directed to.

ATTACHMENT # 4

Target Audience List

ATTACHMENT #2

LOWER ALLEN TOWNSHIP TARGET AUDIENCE LISTS

2019 Businesses in Lower Allen Township

"""5804"" ""		"975-9877"
"6320"	""	"3712 Lisburn Road"
"8076"	"Manager"	"New England Motor Freight"
"8077"	"Store Manager"	"Verizon"
"8078"	"Dennis Miller, Owner"	"McDonalds"
"8079"	"Manager"	"Uber's Tire Sales & Auto Service"
"8080"	"Manager"	"City Looks"
"8081"	"Manager"	"Dollar General"
"8082"	"Mr. George Mansfield"	"George's Cleaners"
"8083"	"David D. Eisenhower, Owne"	"Gullifty's"
"8085"	"Manager"	"New China Restaurant"
"8087"	"Manager"	"Sonny Nail"
"8089"	"Manager"	"Crimson Frog"
"8090"	"Store Manager"	"Subway"
"8091"	"Manager"	"H. Douglas Cluck"
"8092"	"Manager"	"Crown Trophy"
"8093"	"Manager"	"CVS Pharmacy"
"8094"	"Manager"	"Metro Bank"
"8095"	"Manager"	"E.M. Wagman, OD"
"8096"	"Jack & Edna Bertolette"	"Country Patchwork"
"8097"	""	"Grace Evangelical Lutheran Church"
"8098"	"Barbara Slabe"	"Barbara Slabe, DMD"
"8099"	"Manager"	"Snoke Family Practice"
"8100"	"Manager"	"Rolling Green Cemetary"
"8101"	"Manager"	"Century 21 Walak Associates"
"8102"	"Manager"	"Texaco Food Mart"
"8103"	"Manager"	"Dr. Frederick Minium"
"8104"	"Manager"	"Citizen's Bank"
"8105"	"Manager"	"Charles F. Sullivan, CPA"
"8106"	"Manager"	"ISI Financial"
"8107"	"Manager"	"Ronald Leik, CPA"
"8109"	"Manager"	"Institute of Real Estate Studies"
"8110"	"Manager"	"Premeire Eye Care"
"8111"	"Manager"	"Garden Club Federation of PA"
"8112"	"Manager"	"GEO Services"
"8113"	"Manager"	"QualVantage"
"8114"	"Manager"	"Orchard Apartments"
"8116"	"Rock Nelson, Manager"	"Kohl Building Products"
"8117"	"Manager"	"PA Assoc.of Retired School Educators"
"8118"	"Linnie Cough"	"Oak Wood Center"
"8119"	"V. Eugene Kilmore, Jr., M"	"Kilmore Eye Associates"
"8120"	"Manager"	"Pinnacle Health Neurological Surgery"
"8121"	"Manager"	"Neurological Surgery, Ltd."
"8122"	"Manager"	"ADP Training/Sales"
"8123"	"Manager"	"Automatic Data Processing"

"8124"	"Manager"	"QS/1 Data Systems"
"8125"	"Manager"	"Tressler Lutheran Services"
"8126"	"Manager"	"Village At Highland Park"
"8127"	"Manager"	"Eberly's Mill Church of God"
"8128"	"Manager"	"Auto Body Pros"
"8129"	"Manager"	"Bair Machine Company"
"8130"	"Gerald L. Hempt, Secty/Tr"	"Hempt Brothers"
"8131"	""	"Christ Presbyterian Church"
"8132"	"Manager"	"Barbush & Hoffman, CPA"
"8133"	"Charles Rector, Esq."	"Charles Rector, Esq."
"8134"	"Manager"	"Donald McCione"
"8135"	"Manager"	"Fernwood Office Management"
"8136"	"Manager"	"Kollas & Kennedy, Attys."
"8137"	"Manager"	"Riverview Heights Apartments"
"8138"	"Manager"	"Yorktown Funding"
"8139"	"Supt. Dr. Larry A. Sayre"	"West Shore School District"
"8140"	"Dave Becker, Owner"	"Becker's Service Center"
"8142"	"Manager"	"Sun-up Exxon"
"8144"	"Owner"	"Summit Family Restaurant"
"8145"	"Manager"	"Shear Magic"
"8146"	"Manager"	"Stroehman's Bakery Outlet"
"8147"	"Manager"	"Red Wing Shoes"
"8148"	"Manager"	"Costea's Auction"
"8149"	"Manager"	"Triangle Car Wash"
"8150"	"Manager"	"Sunset Tees"
"8151"	"Mr. John Reed"	"Rite Aid Print Shop"
"8152"	"Manager"	"Keiser's Service Center"
"8153"	"Manager"	"QFS Factory Outlet"
"8154"	"Manager"	"American General Life & Accident"
"8155"	"Manager"	"Batteries Plus"
"8156"	"Dr. Madeira"	"Madeira Chiropractic"
"8157"	"Manager"	"Massage Therapy Associates"
"8158"	"Manager"	"Communications Services"
"8159"	"Manager"	"Maid to Perfection"
"8160"	"Manager"	"Miller & Miller Insurance Agency"
"8161"	"Manager"	"Representative Sheryl Delozier"
"8162"	"Manager"	"Woold/Strite Insurance"
"8163"	"Manager"	"Royer's & Stephenson's Flowers"
"8164"	"Manager"	"Capital Vision Center"
"8165"	"Manager"	"West Shore Academy of Martial Arts"
"8167"	"Susan Wolfe, General Mana"	"The Bon-Ton"
"8168"	"Manager"	"Harris TV & Applicances"
"8169"	"Manager"	"Trans-America Printing"
"8170"	"Store Manager"	"Burger King"
"8171"	"Manager"	"Sovereign Bank"
"8172"	"Manager"	"Beaudry's Oral Surgery"
"8173"	"Manager"	"Maggie Adams, Ltd."

"8174"	"Manager"	"Timothy's - A Hair Salon"
"8175"	"Manager"	"Vanessa's, A Salon of Beauty"
"8176"	"Dr. Charles Stuckey"	"Family Eye Care"
"8177"	"Manager"	"Sieber Eye Associates"
"8178"	"Manager"	"The Plum"
"8179"	"Manager"	"Creative Looks"
"8181"	"Manager"	"Chic Hair Design"
"8182"	"Manager"	"Pizza Grille"
"8183"	"Manager"	"Nikoli's Pizza"
"8184"	"Manager"	"Keystone Super Service"
"8185"	"Mr. George Mansfield"	"George's Cleaners"
"8186"	"Manager"	"Pavex, Inc."
"8187"	"Manager"	"Creston Apartments"
"8188"	"Manager"	"World Cup Ski & Cycle"
"8189"	"James B. Kilgore, Owner"	"Kilgore Signs"
"8190"	"Manager"	"PAWA"
"8191"	"Thomas E. Brown, Owner"	"Thomas E. Brown Auto Body Shop"
"8193"	"Manager"	"Moe's Bar & Grill"
"8194"	"Manager"	"Bortek Industries, Inc."
"8195"	"Manager"	"Select Medical Corporation"
"8196"	"Manager"	"HARSCO Corporation"
"8197"	"Manager"	"Select Capital Corporation"
"8199"	"Manager"	"Justice Eakin of PA Supreme Courts"
"8200"	"Manager"	"U-Haul Rental"
"8201"	"Manager"	"Mechanicsburg Diner"
"8202"	"Manager"	"Dairy Farmers of America, Inc."
"8203"	"Manager"	"Gulf"
"8204"	"Manager"	"Country Inn & Suites"
"8205"	"Manager"	"Camp Hill Motel"
"8206"	"Manager"	"Dollar General"
"8207"	"Manager"	"Avian & Feline Hospital"
"8211"	"Mr. Jim Clouser"	"Harrisburg Office Furniture"
"8213"	"Manager"	"Pizza Hut"
"8214"	"Manager"	"Camp Hill Auto and Truck-Becker's"
"8215"	"Kathie Hughes"	"Kathie's Christmas"
"8216"	"Manager"	"Alpha Graphics"
"8217"	"Manager"	"Masala Bistro"
"8218"	"Manager"	"Camp Hill Family Chiropractic"
"8219"	"Manager"	"Capital City Dental Center"
"8221"	"Manager"	"CitiFinancial"
"8222"	"Manager"	"Enterprise Rent-A-Car"
"8223"	"Manager"	"Happy Nails"
"8224"	"Manager"	"Elderly Day Activities"
"8225"	"Manager"	"Quest Diagnostics"
"8226"	"Manager"	"Signs by Tommorrow"
"8227"	"Manager"	"Sylvan Learning Center"
"8228"	"Manager"	"Edu-Care Services"

"8229"	"Mike Serluco, Owner"	"Capital City Car Wash"
"8230"	"Manager"	"Farr Family Tires"
"8231"	"Manager"	"Auto Camp Tire & Auto Service"
"8232"	"Tom & Audrey Garnet"	"Toppers Hair Design"
"8233"	"Ted Jergenson, Manager"	"BJ's Wholesale Club"
"8234"	"Manager"	"American Homepatient"
"8235"	"Manager"	"Servant's Heart"
"8237"	"Brindamour, Steve, Manage"	"Susquehanna Valley Credit Union"
"8238"	"Manager"	"Middle Dist. Inspection Agency"
"8240"	"Manager"	"Federal Aviation Administration"
"8241"	"Manager"	"Lane Enterprise Inc."
"8243"	"Manager"	"Prelude System Training Center"
"8244"	"Manager"	"AD Marble Co."
"8246"	"Manager"	"Coble's Transfer & Storage"
"8247"	"Manager"	"Petroleum Auto & Tire Center"
"8248"	"Manager"	"Keystone Oil Products"
"8249"	"Manager"	"White Hill Caf"
"8250"	"Earl Cassel, President"	"Kreamer Brother's Glass"
"8251"	"Ernest Leggett, President"	"Leggetts, Inc."
"8252"	"Edgar Loy, VMD"	"Lower Allen Veterinarian Clinic"
"8253"	"Manager"	"HealthSouth Rehab"
"8255"	"James W. Runk, President"	"PA Motor Truck Association"
"8256"	"Manager"	"Weavadou School of Dance"
"8257"	"Jeffrey W. Cooper"	"United Cerebral Palsy"
"8258"	"Manager"	"Occupant"
"8260"	"Manager"	"West Shore Rec Board"
"8261"	"Manager"	"Mallard Run Apartments"
"8263"	"Charles Page, General Man"	"Erie Insurance"
"8264"	"Manager"	"Cassimatis and Desseyn, Esqs."
"8265"	"Manager"	"Federal Mediation & Concilation Service"
"8266"	"Manager"	"Orth-Rodgers & Associates"
"8267"	"Manager"	"Parsons"
"8268"	"Manager"	"Robert Half International, Inc."
"8269"	"Manager"	"Susquehanna Financial Services, LLC"
"8270"	"Manager"	"Universal Media Inc."
"8271"	"Manager"	"Waddell & Reed"
"8272"	"Manager Jill Stecher"	"Members First Credit Union"
"8273"	"Manager"	"Ajilon"
"8274"	"Manager"	"KCI Technologies Inc."
"8275"	"Manager"	"Kemper National Insurance"
"8276"	"Manager"	"Liberty Mutual Insurance Co."
"8277"	"Manager"	"Steven M. Zeigler, CPA, PC"
"8278"	"Manager"	"Ciao Pizzeria"
"8279"	"Manager"	"Weis Market"
"8280"	"Manager"	"Wiltech Garage"
"8281"	"Manager"	"Lisburn Church of God"
"8282"	"Manager"	"Gift & Associates"

"8284"	"Manager"	"LeTort"
"8285"	"Robert Hartman, President"	"Hartman & Associates"
"8286"	"Manager"	"General Hydraulics"
"8287"	"Barry Kindt, President"	"SECCO"
"8288"	"Manager"	"O.L. Jacobs' & Son"
"8291"	"Manager"	"State Auto Insurance Companies"
"8292"	""	"TSR"
"8293"	"Manager"	"Concentra Medical Center"
"8294"	"Manager"	"Isaac's Deli, Inc."
"8295"	"Manager"	"Meiyu Automation"
"8296"	"Bret Sechrist, General Ma"	"Hampton Inn"
"8297"	"Manager"	"Homewood Suites"
"8298"	"Manager"	"Greenhorne & O'Mara, Inc."
"8299"	"Manager"	"Earth Engineering, Inc"
"8300"	"Manager"	"Medco Health Soulutions, Inc."
"8301"	"Wilson C. Everhart, Jr., "	"Precision Medical Devices, Inc"
"8303"	"Manager"	"Admin. Offices of PA Courts"
"8304"	"Manager"	"Goddard School"
"8305"	"Frederick E. Russell, Exe"	"Professional Insurance Agents Assoc."
"8306"	"Manager"	"J. Michael Brill & Associates, Inc."
"8308"	"Manager"	"USA localgovinfo.com"
"8309"	"Manager"	"Deanne Burch Photography"
"8310"	"Manager"	"Adability, Inc."
"8311"	"Manager"	"Out Tech"
"8313"	"Manager"	"West Shore Tax Bureau"
"8314"	"Susan Curley, Directoress"	"Brookside Montessori"
"8315"	"Manager"	"K & G Distribution"
"8316"	"Eric Watts, Pastor"	"God's Missionary Church"
"8317"	"Manager"	"Reflections Hair Design"
"8318"	"Manager"	"Interstate Towing & Recovery"
"8319"	"Manager"	"Guiseppe's Brother's Pizza"
"8320"	"Erica Beadle & Larry Sore"	"Highland Gardens"
"8321"	"Manager"	"Sparkle Car Wash"
"8322"	"Manager"	"Sign-a-Rama"
"8323"	"Manager"	"Michael's"
"8324"	"Manager"	"ASF-Keystone"
"8325"	"Manager"	"Law Office of Shumaker & Williams"
"8326"	"Manager"	"LKGC, Inc"
"8327"	"Manager"	"PA Center Co."
"8328"	"H. David Padden, CPA"	"Padden, Guerrini & Assoc. CPA"
"8329"	"Keith Clark, Esq."	"Shumaker Williams"
"8330"	"Manager"	"Wendy's Restaurant"
"8331"	"Bob Goodall, Owner"	"Goodall Pools"
"8332"	"Dr. Nancy Burke"	"Trinity Spiritual Center"
"8333"	"Manager"	"Apple Fasteners"
"8335"	"Manager"	"Gulf"
"8336"	"Trustee Chairman"	"Mount Olivet United Methodist Church"

"8337"	"Manager"	"AutoZone"
"8338"	"Sandra"	"Classic Dry Cleaners"
"8339"	"Manager"	"Metro Bank"
"8340"	"Manager"	"Weis Market"
"8341"	"Manager"	"Turkey Hill Minit Market"
"8342"	"Manager"	"The Auto Connection"
"8343"	"Manager"	"Beauty Nails"
"8344"	"Manager"	"Henderson & Co Jewelers"
"8346"	"Manager"	"Today's Home and Leisure"
"8347"	"Manager"	"Tokyo Diner"
"8348"	"Manager"	"Rita's Italian Water Ice"
"8350"	"Cibiano Arena, Owner"	"Pizza Town"
"8352"	"Manager"	"Smoker's Express"
"8353"	"Manager"	"Neato Burrito"
"8354"	"Bob Miller, Owner"	"Specialty Cakes by Bob Miller"
"8355"	"Manager"	"Sherwin-Williams Company"
"8356"	"Manager"	"Smoothie Joe's Juice and Java"
"8357"	"Manager"	"VIP Fitness"
"8358"	"Manager"	"CPO2, Inc."
"8359"	"President"	"Rite Aid"
"8360"	"Manager"	"Ressler's Bagel & Deli"
"8361"	"Jim Granger, Terminal Man"	"Ward Trucking"
"8362"	"Manager"	"Jackson's"
"8363"	"Manager"	"Jim Browand Auto Body Shop"
"8364"	"Pastor"	"Christ Community Church"
"8365"	"Manager"	"Warrell Corporation"
"8366"	"Manager"	"Utility Services Group"
"8367"	"Manager"	"Sarago Brothers Pizza"
"8368"	"Manager"	"Slate Hill Mennonite Church"
"8369"	"Manager"	"Madison at Society Hill"
"8370"	"Manager"	"PA Pipe"
"8371"	"Manager"	"St. John's Chiropractic"
"8372"	"Mr. A. K. Dimond"	"L.B. Smith, Inc."
"8373"	"Manager"	"First Choice Hairstyling"
"8374"	"Mr. Richard F. Fager, J R"	"RF Fager. Inc."
"8375"	"Manager"	"Herr Foods, Inc."
"8378"	"Manager"	"Office of Victim Services"
"8380"	"Manager"	"Office of Chief Counsel"
"8381"	"Manager"	"PA Dept. of Corrections, Annex"
"8384"	"Manager"	"Insurance Alliance of Central PA"
"8385"	"Manager"	"Uni-Mart Store #4274"
"8386"	"Manager"	"DriveKore"
"8387"	"Manager"	"Animal Hospital"
"8388"	"Manager"	"Hunan Express"
"8389"	"Manager"	"Papa John's Pizza"
"8390"	"Bill & Kathy Vainas, Owne"	"Peppermill Restaurant"
"8391"	"Manager"	"Rainbow Nails"

"8392"	"Store Manager"	"Subway"
"8393"	"Dennis Miller, Owner"	"McDonalds"
"8394"	"Naomi Whitcraft, Manager"	"Wesley Park Apartments"
"8395"	"Angela Dohrman, Exec. Dir"	"Bethany Village Retirement Center"
"8396"	"Ms.Sheryl Stevens"	"Bethany Towers"
"8397"	"Manager"	"PA American Water Company"
"8398"	"James E. Jones, MD"	"Jones Daly Coldren Assoc."
"8399"	"Manager"	"H & H Sales Associates"
"8400"	"Manager"	"PHEAA"
"8401"	"Manager"	"US MEPS"
"8402"	"Manager"	"Dist. Coun./Assembly of God Churches"
"8403"	"Manager"	"Space Mart"
"8404"	"Manager"	"Lifecare Hospital of Mechanicsburg"
"8405"	"Manager"	"Comfort Inn"
"8406"	"Manager"	"Envirodyne Systems, Inc."
"8407"	"Branch Manager"	"PNC Bank, N A"
"8409"	"Manager"	"Eastern Consolidation & Dist."
"8410"	"Manager"	"Changing Spaces"
"8411"	"George Hoffman, Pres."	"Keystone Rail Equipment"
"8412"	"Manager"	"Presence"
"8413"	"Manager"	"Taylor Wharton"
"8414"	"Manager"	"P N C Bank, N A"
"8415"	"Manager"	"Farr Family Tire"
"8416"	"Manager"	"Quick Delivery"
"8417"	"Mr. Thomas Brown"	"Caf"
"8418"	""	"Brothers Pizza"
"8419"	"Manager"	"The Restaurant Store"
"8420"	""	"Theo's Bar and Grille"
"8421"	"Elaine Beachler"	"Triple Crown Corporation"
"8422"	"Manager"	"Asplundh Tree Experts"
"8423"	"Manager"	"Alternative Services Concepts"
"8424"	"Manager"	"CACI, Inc."
"8425"	"Manager"	"Stackpole Books"
"8426"	"Manager"	"Monarch"
"8427"	"Manager"	"Reed Minerals"
"8428"	"Manager"	"Terminix"
"8429"	"Manager"	"Print-O-Stat, Inc"
"8430"	"Ms. Rooney"	"Sally Rooney, MS"
"8431"	"Store Manager"	"Subway"
"8432"	""	"Angie's Bark Avenue"
"8434"	""	"Northwest Consumer Discount Co."
"8435"	""	"Tranquility Sensations, Nails and Tanning"
"8436"	""	"American Homecare Supply Company"
"8437"	"Salon Manager"	"Trix of the Trade"
"8438"	""	"Western PA School for the Deaf"
"8439"	""	"Harrisburg Korean Presbyterian Church"
"8440"	""	"Capital Area Pregnancy Centers"

"8441"	""	"American Lung Association of PA"
"8442"	""	"Gish's Furniture"
"8443"	""	"Cumberland Perry Housing"
"8444"	""	"Flinchy's"
"8445"	""	"Vi's Nails"
"8446"	""	"Center for Applied Management Practices"
"8447"	""	"Sidoti's Italian Grille"
"8448"	"Manager"	"Gold's Gym"
"8449"	""	"FMC BioPolymer"
"8450"	""	"Liberty Forge Golf Course Mini Golf"
"8451"	""	"Performance Pathways, Inc."
"8452"	""	"Larson Lightning Protection"
"8453"	""	"Prevail Salon"
"8454"	""	"Bruster's"
"8455"	"Michael L. Bangs"	"Michael L. Bangs, Attorney"
"8456"	"Store Manager"	"T-Mobile"
"8457"	"Store Manager"	"Garfield's"
"8458"	"Store Manager"	"Cellular One"
"8459"	"Store Manager"	"Auntie Anne's"
"8460"	"Store Manager"	"Cell Works Cellular"
"8461"	"Store Manager"	"Piercing Pagoda"
"8462"	"Store Manager"	"Verizon"
"8463"	"Store Manager"	"Things Remembered"
"8464"	"Store Manager"	"JC Penney"
"8465"	"Store Manager"	"Old Navy"
"8466"	"Store Manager"	"LA Nails"
"8467"	"Store Manager"	"Christopher Banks"
"8469"	"Store Manager"	"Justice"
"8470"	"Store Manager"	"The Limited"
"8471"	"Store Manager"	"Motherhood Maternity"
"8472"	"Store Manager"	"American Eagle Outfitters"
"8473"	"Store Manager"	"Gap/Gap Kids"
"8474"	"Store Manager"	"Victoria's Secret"
"8476"	"Store Manager"	"Gallary Card & Gift"
"8477"	"Store Manager"	"Bleacher Bums"
"8478"	"Store Manager"	"Vitamin World"
"8479"	"Store Manager"	"Pacific Sunwear"
"8480"	"Store Manager"	"Nissley Winery"
"8481"	"Store Manager"	"Kay Jewelers"
"8482"	"Store Manager"	"Journey's"
"8483"	"Store Manager"	"Littman Jewelers"
"8484"	"Store Manager"	"Game Stop"
"8485"	"Store Manager"	"Macy's"
"8486"	"Store Manager"	"Hollister"
"8487"	"Store Manager"	"Gordon's Jewelers"
"8488"	"Store Manager"	"Hat World"
"8489"	"Store Manager"	"Hot Topic"

"8490"	"Store Manager"	"FYE"
"8491"	"Store Manager"	"Yankee Candle"
"8493"	"Store Manager"	"Gertrude Hawk Chocolates"
"8494"	"Store Manager"	"Claires Boutique"
"8495"	"Store Manager"	"Footlocker"
"8496"	"Store Manager"	"Aeropostale"
"8497"	"Store Manager"	"Spencers"
"8498"	"Store Manager"	"GNC"
"8499"	"Store Manager"	"Bath & Body Works"
"8500"	"Store Manager"	"Charlotte Russe"
"8501"	"Store Manager"	"White Barn Candle Co."
"8502"	"Store Manager"	"The Picture People"
"8503"	"Store Manager"	"The Children's Place"
"8504"	"Store Manager"	"Express Dual Gender"
"8505"	"Store Manager"	"Hallmark Gold Crown/House of Cards"
"8506"	"Store Manager"	"Payless Shoe Source"
"8507"	"Store Manager"	"Cingular Wireless"
"8508"	"Store Manager"	"The Shoe Department"
"8509"	"Store Manager"	"Radio Shack"
"8510"	"Store Manager"	"Regis Hairstylists"
"8511"	"Store Manager"	"Holiday Hair"
"8512"	"Store Manager"	"Pearl Vision"
"8513"	"Store Manager"	"Sears"
"8514"	"Store Manager"	"Sunglass Hut"
"8515"	"Store Manager"	"Subway"
"8516"	"Store Manager"	"Yummy Japan"
"8518"	"Store Manager"	"Sbarro"
"8519"	"Store Manager"	"Taco Bell/KFC"
"8520"	"Store Manager"	"Flamers"
"8521"	"Store Manager"	"Panda"
"8522"	"Store Manager"	"Salad Works"
"8523"	"Store Manager"	"Sterling Optical"
"8524"	"Store Manager"	"EB Games"
"8525"	""	"Americhoice Federal Credit Union"
"8526"	""	"El Sol"
"8527"	""	"Thomas Somerville Co."
"8528"	""	"Builder's Supply"
"8529"	""	"Prosthetic Care"
"8532"	""	"Liberty Mutual"
"8533"	""	"Starbuck's"
"8534"	""	"2K Kases"
"8535"	""	"Hydraulic & Chroming"
"8536"	""	"DalTile"
"8537"	""	"Select Comfort"
"8538"	""	"Management Office"
"8539"	""	"Humana Marketpoint, Inc."
"8540"	""	"Lynda.com"

"8541"	""	"SAMTEC, Inc."
"8544"	""	"Wet Seal"
"8545"	""	"Forever 21"
"8546"	""	"Graystone Bank"
"8547"	""	"Progressive Insurance"
"8549"	""	"DHC"
"8550"	""	"Courtyard by Marriott"
"8551"	""	"Appleton Paper"
"8552"	""	"Ram Motors"
"8553"	""	"Global Supply Chain"
"8554"	""	"New York & Company"
"8555"	""	"Remington Lamps"
"8556"	"Pastor"	"Christian Life Assembly"
"8557"	""	"Yamaha of Camp Hill"
"8558"	"Norm Fromn & Larry Dolan"	"Brewhouse Grille"
"8559"	""	"LAM Systems"
"8560"	""	"Armstrong Cabinets"
"8561"	"Jeffrey Olzackii"	"Texas Roadhouse"
"8562"	""	"Fleet Operation"
"8563"	""	"New York & Company"
"8567"	""	"Glass Gallery"
"8568"	""	"Build-A-Bear Store"
"8569"	""	"Moneyline Lending"
"8570"	""	"Body Central"
"8571"	""	"Allied Carton"
"8572"	""	"Freedom Wireless"
"8574"	""	"Dairy Queen/Orange Julius"
"8575"	""	"Finish Line"
"8576"	""	"Benny's Pet Depot"
"8577"	""	"Edible Arrangements"
"8579"	""	"Thai Caf"
"8580"	""	"Cheran Inc. Electrical Contractors"
"8581"	""	"Capitol Presort Services"
"8582"	""	"Cornwell Door Service"
"8583"	""	"Passiton"
"8584"	""	"Unisource"
"8585"	""	"Simplex Grinnell"
"8587"	""	"Farr Family Heat Tech"
"8588"	""	"J & J Service"
"8591"	""	"Conforti Rehab Services"
"8592"	""	"TSR"
"8594"	""	"Gymboree"
"8595"	""	"United Methodist Home for Children"
"8596"	""	"GoWags Baseball"
"8597"	""	"Applied Research Associates, Inc."
"8598"	""	"Al-Huda School"
"8599"	""	"ADM Alliance Nutrition"

"8600"	""	"Allen Middle School"
"8601"	""	"AT&T"
"8602"	""	"Best Buy Mobile"
"8603"	""	"Capital City Plaza"
"8604"	""	"Cartridge World"
"8605"	""	"Capital City Mall"
"8606"	""	"Capital City News"
"8607"	""	"Cedar Cliff High School"
"8608"	""	"Cedar Place Apt. Office"
"8610"	""	"Country Walk Apartments"
"8612"	""	"Crazy 8"
"8613"	""	"Dead Sea Legend"
"8614"	""	"Diakon Lutheran Social Ministries"
"8615"	""	"Emery Transmission"
"8616"	""	"Excitement Video"
"8618"	""	"Gibson-Thomas Eng. Co. Inc."
"8619"	""	"GO Games"
"8621"	""	"Highland Elementary School"
"8624"	""	"Jenny's"
"8627"	""	"Kitchen Collection"
"8628"	""	"Kranzel's Hobbies"
"8629"	""	"Linlo Properties III, LP"
"8630"	""	"Lewis B. Buchanan, Inc."
"8632"	""	"Matty's Kitchen, Inc."
"8633"	""	"Lower Allen Elementary School"
"8634"	""	"Lower Allen VFW Post 7530"
"8635"	""	"Mineral Makeup"
"8636"	""	"Monkey Joe's"
"8637"	""	"Motel Sleepers, Inc."
"8640"	""	"Mullin & Lonergan Assoc."
"8641"	""	"Office of Law Examiners"
"8642"	""	"OMNI Interactive Systems"
"8643"	""	"Paytime, Harrisburg, Inc."
"8644"	""	"Office of Helen P O'Planick"
"8645"	""	"Oxford Manor Apartments"
"8646"	""	"PFA Professional Group"
"8647"	""	"Pinnacle Health Family Care"
"8649"	""	"Perfume Gallery"
"8650"	""	"Prelude Systems"
"8651"	""	"Prologis"
"8652"	""	"Rite Aid Service Support Center"
"8653"	""	"Rossmoyne Elementary School"
"8654"	""	"Roland Builders"
"8655"	""	"Rosewein Reality, Inc."
"8657"	""	"Smilecrafters Orthodontics"
"8658"	""	"State Correctional Institute of Camp Hill"
"8659"	""	"Sprint"

"8660"	""	"Stock Building Supply"
"8661"	""	"Strawberry"
"8662"	""	"Supply Source"
"8663"	""	"Supreme Court of PA CLE Board"
"8664"	""	"The Ellis Group LLC."
"8665"	""	"Total Vision Care"
"8666"	""	"Trinity High School"
"8667"	""	"U.S. Customs & Border Protection"
"8913"	""	"Quality Copiers"

"41 Argali Ln"	"Mechanicsburg"	"17055-4859"	"PA"
"3712 Lisburn Rd"	"Mechanicsburg"	"17055-6709"	"PA"
"2800 Appleton St"	"Camp Hill"	"17011"	"PA"
"2875 Appleton St"	"Camp Hill"	"17011"	"PA"
"1100 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1101 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1106 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1106 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1116 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"112	"Camp Hill"	"17011"	"PA"
"1140 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1603 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1610 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1776 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1800 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"1811 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"3803 Cedar Ave"	"Camp Hill"	"17011"	"PA"
"1500 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1509 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1510 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1513 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1513 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1517 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1521 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1524 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1525 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1525 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"1525 Cedar Cliff Dr"	"Camp Hill"	"17011"	"PA"
"2204 Cedar Run Drive"	"Camp Hill"	"17011"	"PA"
"860 Wesley Drive"	"Mechanicsburg"	"17055"	"PA"
"878 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"880 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"890 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"920 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"920 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"930 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"930 Century Drive"	"Mechanicsburg"	"17055"	"PA"

"930 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"960 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"1149 Columbus Ave"	"Lemoyne"	"17043"	"PA"
"115 Creek Rd"	"Camp Hill"	"17011"	"PA"
"141 Creek Rd"	"Camp Hill"	"17011"	"PA"
"153 Creek Rd"	"Camp Hill"	"17011"	"PA"
"205 Creek Rd"	"Camp Hill"	"17011"	"PA"
"421 Deerfield Rd"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"1104 Fernwood Ave"	"Camp Hill"	"17011"	"PA"
"507 Fishing Creek Rd"	"Lewisberry"	"17319"	"PA"
"3150 Getttysburg Rd"	"Camp Hill"	"17011"	"PA"
"2205 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2210 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2214 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2214 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2224 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2228 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2232 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2236 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2310 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2401 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2407 Gettysburg Rd"	"Camp Hill"	"17011-7306"	"PA"
"2415 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2501 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2507 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2507 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2929 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2929 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2929 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2929 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2929 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3015 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3100 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3348 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3525 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3536/3538 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3544 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3555 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3556 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3600 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3605 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"

"3605 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3617 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3623 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3623 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3801 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3808 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3816 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3817 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3904 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4195 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4201 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4400 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4420 Gettysburg Rd"	"Camp Hill"	"17055"	"PA"
"4500 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4501 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4601 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"5030 Authur Ave"	"Mechanicsburg"	"17055"	"PA"
"4709 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4716 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4716 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4718 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4718 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4720 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4725 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4729 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4825 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4840 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"4943 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"3803 Glenwood Ave"	"Camp Hill"	"17011"	"PA"
"5034 Hann Rd"	"Mechanicsburg"	"17050"	"PA"
"3300 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3300 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3300 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3303 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3309 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"

"3525 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3537C Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3609 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3702 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3805 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3825 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3825 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3850 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3901 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3905 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3905 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3907 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3913 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"1500 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"1599 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"1600 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"1712 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"1714 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"1989 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"943 Kranzel Drive"	"Camp Hill"	"17011"	"PA"
"175 Lancaster Blvd"	"Mechanicsburg"	"17055"	"PA"
"910 Linda Ln"	"Camp Hill"	"17011"	"PA"
"920 Linda Ln"	"Camp Hill"	"17011"	"PA"
"925 Linda Ln"	"Camp Hill"	"17011"	"PA"
"702 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"704 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"820 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"4901 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17011"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4999 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5000 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5001 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5001 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5001 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5021 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4909 Lousie Drive"	"Mechanicsburg"	"17055"	"PA"
"1150 Lowther Rd"	"Camp Hill"	"17011"	"PA"
"1195 Lowther Rd"	"Camp Hill"	"17011"	"PA"
"1601 Main St"	"Mechanicsburg"	"17055-5944"	"PA"
"1621 Main St"	"Mechanicsburg"	"17055"	"PA"
"1205 Manor Dr"	"Mechanicsburg"	"17055"	"PA"

"3130 Morningside Drive"	"Camp Hill"	"17011"	"PA"
"2101 Orchard Rd"	"Camp Hill"	"17011"	"PA"
"2117 Orchard Rd"	"Camp Hill"	"17011"	"PA"
"1111 Primrose Ave"	"Camp Hill"	"17011"	"PA"
"1131 Primrose Ave"	"Camp Hill"	"17011"	"PA"
"4900 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4900 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4910 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4940 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4940 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4950 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5001 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5000 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5010 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5010 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5020 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5035 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5049 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5050 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5053 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5053 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"3602 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3607 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3607 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3607 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3708 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3801 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3807 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
"3885 Rosemont Ave"	"Camp Hill"	"17011"	"PA"
" Rt 15 & St. John's Rd"	"Camp Hill"	"17011"	"PA"
"301 S. 18th St"	"Camp Hill"	"17011"	"PA"
"423 S. 18th St"	"Camp Hill"	"17011"	"PA"
"3 S. 40th St"	"Camp Hill"	"17011"	"PA"
"3300 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3415 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3420 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3425 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3425 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3425 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3425 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3425 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3465 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3501 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3601 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3617 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3635 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"5000 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"

"5012 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5028 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5032 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5140 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5150 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5200 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5202 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5202 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5202 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5202 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5204 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5228 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5236 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5238 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5246 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5258 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5258 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5260 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5268 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5280 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"5284 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"1115 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1121 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1121 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1201 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1250 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1302 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1308 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"1352 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"2902 Chesterbrook Ct"	"Camp Hill"	"17011"	"PA"
"1250 St. John's Rd"	"Camp Hill"	"17011"	"PA"
"304 St. John's Rd"	"Camp Hill"	"17011"	"PA"
"2001 State Rd"	"Camp Hill"	"17011"	"PA"
"2022 State Rd"	"Camp Hill"	"17011"	"PA"
"2058 State Rd"	"Camp Hill"	"17011"	"PA"
"25 Utley Drive"	"Camp Hill"	"17011"	"PA"
"50 Utley Drive"	"Camp Hill"	"17011"	"PA"
"55 Utley Drive"	"Camp Hill"	"17011"	"PA"
"75 Utley Drive"	"Camp Hill"	"17011"	"PA"
"75 Utley Drive"	"Camp Hill"	"17011"	"PA"
"1004 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"101 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"1010 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"1010 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"1010 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"1010 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"1010 Wesley Dr"	"Mechanicburg"	"17011"	"PA"

"1010 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"1014 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"135 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"325 Wesley Drive"	"Mechanicsburg"	"17055"	"PA"
"335 Wesley Drive"	"Mechanicsburg"	"17055"	"PA"
"852 Wesley Drive"	"Mechanicsburg"	"17055"	"PA"
"25 West Shore Drive"	"Camp Hill"	"17011"	"PA"
"4510 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4600 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4641 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4651 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4715 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4950 Wilson Ln"	"Mechanicsburg"	"17055"	"PA"
"1012 Wesley Dr"	"Mechanicsburg"	"17055"	"PA"
"75 Zimmerman Drive"	"Camp Hill"	"17011"	"PA"
"1104 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"405 Sterling St"	"Camp Hill"	"17011"	"PA"
"2240 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3420 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3580 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4718 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"5288 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"3537 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"2240-B Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4700 Gettysburg Rd"	"Mechancsburg"	"17055"	"PA"
"4910 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"3435 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"3315 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"100 Georgetown Rd"	"Mechanicsburg"	"17055"	"PA"
"5020 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5010 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5000 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5067 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5069 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"5040 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5040 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"5040 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4930 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4910 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4912 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3300 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"2300 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3540 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3820 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"1127 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"2515 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"

"3001 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3424 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"829 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"1833 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"4914 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"3609 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"1055 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"4500 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"3804 Lisburn Rd"	"Mechanicsburg"	"17055"	"PA"
"5010 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"2405 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"1 Commercial Dr"	"Camp Hill"	"17011"	"PA"
"3521 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"302 S. 18th St"	"Camp Hill"	"17011"	"PA"
"3628 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3524 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3475 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3495 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3973 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3499 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3501 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3503 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3504 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3507 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3516 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3517 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3523 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3522 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3526 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3528 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3531 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3533 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3534 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3535 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3993 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3538 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3539 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3541 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3547 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3550 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3545 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3551 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3553 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3555 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"

"3581 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3562 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3563 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3572 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3567 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3568 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3570 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3566 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3573 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3574 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3575 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3577 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3578 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3579 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3583 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3585 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3588 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3589 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3590 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3591 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3592 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3593 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3595 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3600 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3608 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3612 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3620 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3632 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3636 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3644 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3645 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3648 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3656 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"433 S. 18th St"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"1401 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"308 S. 18th St"	"Camp Hill"	"17011"	"PA"
"940 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"5000 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"3981 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3989 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"2009 State Rd"	"Camp Hill"	"17011"	"PA"
"4750 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"3559 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"5000 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"4909 Louise Drive"	"Mechanicsburg"	"17055"	"PA"

"4930 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"3557 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3453 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3599 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3950 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"5021 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4921 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"2850 Appleton St"	"Camp Hill"	"17011"	"PA"
"2850 Appleton St"	"Camp Hill"	"17011"	"PA"
"2850 Appleton St"	"Camp Hill"	"17011"	"PA"
"3975 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"2500 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"2645 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"3809 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"2050 State Rd"	"Camp Hill"	"17011"	"PA"
"4700 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4700 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"1101 Lower Allen Dr"	"Camp Hill"	"17011"	"PA"
"1304 Slate Hill Rd"	"Camp Hill"	"17011"	"PA"
"3521 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3519 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3455 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3491 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3493 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3652 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3518 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"5202 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"5202-112 Simpson Ferry Rd	"Mechanicsburg"	"17050"	"PA"
"3552 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"25 Utley Drive"	"Camp Hill"	"17011"	"PA"
"3300 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"2202C Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4501 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"4700 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"3537 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3537 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"920 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"2005 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"3565 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"5120 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"2015 State Rd"	"Camp Hill"	"17011"	"PA"
"3605 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"1007 Rana Villa Ave"	"Camp Hill"	"17011"	"PA"
"2000 Hummel Ave"	"Camp Hill"	"17011"	"PA"

"4225 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3588 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3537 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"5250 Simpson Ferry Rd"	"Mechanicsburg"	"17050"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3977 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"1301 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"2101 Cedar Run Drive"	"Camp Hill"	"17011"	"PA"
"1400 Hillcrest Ct"	"Camp Hill"	"17011"	"PA"
"3523 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"960 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"1599 Hummel Ave"	"Camp Hill"	"17011"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3552 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"1325 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"4500 Gettysburg Rd"	"Mechanicsburg"	"17055"	"PA"
"3587 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"2202 A Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"1215 Manor Dr"	"Mechanicsburg"	"17055"	"PA"
"2511 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4916 Louise Drive"	"Mechanicsburg"	"17055"	"PA"
"4100 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"4545 Westport Drive"	"Mechanicsburg"	"17055"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3608 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"5022 Arthur Drive"	"Mechanicsburg"	"17055"	"PA"
"3909 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"5035 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"2415 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"5070B Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"2220 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"5349 Oxford Drive"	"Mechanicsburg"	"17055"	"PA"
"704 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"910 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"3506 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"3911 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"2400 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"5280 Simpson Ferry Rd"	"Mechanicsburg"	"17055"	"PA"
"1225 Rossmoyne Rd"	"Mechanicsburg"	"17055"	"PA"
"1706 Liberty Cove"	"Mechanicsburg"	"17055"	"PA"
"702 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"1106 Carlisle Rd"	"Camp Hill"	"17011"	"PA"
"2500 Lisburn Rd"	"Camp Hill"	"17011"	"PA"
"3604 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"

"2035 State Rd"	"Camp Hill"	"17011"	"PA"
"3527 Capital City Mall Drive	"Camp Hill"	"17011-7003"	"PA"
"2400 Gettysburg Rd"	"Camp Hill"	"17011"	"PA"
"5035 Ritter Rd"	"Mechanicsburg"	"17055"	"PA"
"900 Century Drive"	"Mechanicsburg"	"17055"	"PA"
"3401 Hartzdale Drive"	"Camp Hill"	"17011"	"PA"
"3601 Simpson Ferry Rd"	"Camp Hill"	"17011"	"PA"
"1215 Manor Dr"	"Mechanicsburg"	"17055"	"PA"
"75 Utley Dr"	"Camp Hill"	"17011"	""

Possible Fueling Facilities in Lower Allen Township

"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Gerald L. Hempt, Secty/Tr"
"Dave Becker, Owner"
"Manager"
"Manager"
"Manager"
"Thomas E. Brown, Owner"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Ted Jergenson, Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Ernest Leggett, President"
"James W. Runk, President"
"Manager"
"Manager"
"Barry Kindt, President"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Manager"
"Jim Granger, Terminal Man"
"Manager"
"Mr. A. K. Dimond"
"Manager"
"Manager"
"Manager"
"George Hoffman, Pres."
"Manager"
"Manager"

"Manager"
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New England Motor Freight
Uber's Tire Sales & Auto Service
Texaco Food Mart
Auto Body Pros
Bair Machine Company
Hempt Brothers
Becker's Service Center
Sun-up Exxon
Keiser's Service Center
Pavex, Inc.
Thomas E. Brown Auto Body Shop
U-Haul Rental
Dairy Farmers of America, Inc.
Gulf
Camp Hill Auto and Truck-Becker's
Enterprise Rent-A-Car
Farr Family Tires
Auto Camp Tire & Auto Service
BJ's Wholesale Club
Middle Dist. Inspection Agency
Federal Aviation Administration
AD Marble Co.
Coble's Transfer & Storage
Petroleum Auto & Tire Center
Keystone Oil Products
Leggetts, Inc.
PA Motor Truck Association
Weis Market
Wiltech Garage
SECCO
O.L. Jacobs' & Son
Apple Fasteners
Gulf
AutoZone
Turkey Hill Minit Market
The Auto Connection
Ward Trucking
Jim Browand Auto Body Shop
L.B. Smith, Inc.
Uni-Mart Store #4274
DriveKore
Envirodyne Systems, Inc.
Keystone Rail Equipment
Farr Family Tire
Asplundh Tree Experts

Monarch
Hydraulic & Chroming
Fleet Operation

"2800 Appleton St"
"1101 Carlisle Rd"
"1500 Cedar Cliff Dr"
"141 Creek Rd"
"153 Creek Rd"
"205 Creek Rd"
"3150 Getttysburg Rd"
"2205 Gettysburg Rd"
"2401 Gettysburg Rd"
"4400 Gettysburg Rd"
"5030 Authur Ave"
"4725 Gettysburg Rd"
"4825 Gettysburg Rd"
"4840 Gettysburg Rd"
"3303 Hartzdale Drive"
"3401 Hartzdale Drive"
"3537C Hartzdale Drive"
"3609 Hartzdale Drive"
"3805 Hartzdale Drive"
"3901 Hartzdale Drive"
"3905 Hartzdale Drive"
"3913 Hartzdale Drive"
"1500 Hummel Ave"
"1599 Hummel Ave"
"1600 Hummel Ave"
"1989 Hummel Ave"
"910 Linda Ln"
"1195 Lowther Rd"
"1601 Main St"
"1111 Primrose Ave"
"1131 Primrose Ave"
"3617 Simpson Ferry Rd"
"3635 Simpson Ferry Rd"
"5012 Simpson Ferry Rd"
"5150 Simpson Ferry Rd"
"5200 Simpson Ferry Rd"
"1115 Slate Hill Rd"
"1121 Slate Hill Rd"
"2001 State Rd"
"1004 Wesley Dr"
"101 Wesley Dr"
"75 Zimmerman Drive"
"3420 Gettysburg Rd"
"3537 Hartzdale Drive"
"5020 Ritter Rd"

"5069 Ritter Rd"
"2009 State Rd"
"1304 Slate Hill Rd"

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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 MS-4 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	900 Century Drive	Camp Hill
Holly Anne, Kilmore	890 Century Drive	Camp Hill
C/O Holy Spirit Hospital	880 Century Drive	Camp Hill
	878 Century Drive	Camp Hill
	860 Wesley Drive	Camp Hill
	335 RR Wesley Drive	Camp Hill
Bethany Village	335 Wesley Drive	Mechanicsburg
Bethany Village	325 Wesley Drive	Mechanicsburg
Bethany Village	5225 Wilson Lane	Mechanicsburg
Weis Markets Inc.	5140 Simpson Ferry Road	Mechanicsburg
Weis Markets Inc.	5144 Simpson Ferry Road	Mechanicsburg
Dillon Real Estate Inc.	5150 Simpson Ferry Road	Mechanicsburg
Commerce Bank	5032 Simpson Ferry Road	Mechanicsburg
PLK Real Estate LLC	5028 Simpson Ferry Road	Mechanicsburg
William & Patricia Werzyn	5024 Simpson Ferry Road	Mechanicsburg
Bridge Street Parking LP	5016 Simpson Ferry Road	Mechanicsburg
Autozone Inc #1883	5012 Simpson Ferry Road	Mechanicsburg
Dolgencorp Inc.	5034 Hann Way	Mechanicsburg
Lance Bonsall	5030 Arthur Avenue	Mechanicsburg
Etter Investments	5035 Arthur Avenue	Mechanicsburg
Motel Sleepers Inc.	5022 Arthur Avenue	Mechanicsburg
JMD Industries	4713 Gettysburg Road	Mechanicsburg
G&L Castle Properties LLC	4709 Gettysburg Road	Mechanicsburg
David & Anita Reisman	4705 Gettysburg Road	Mechanicsburg

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 MS-4 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

Link	Total IA on Parcel	ERUs	Property Address	Property Address 2	Type	LUC (Old Database)	DEEDED_AC	OWNER NAME (Old Database)	CARE_OF (Old Database)	OWNER NAME (New Database)	CARE_OF (New Database)	Owner Address	Owner Address 2	Owner City	Owner State	Owner ZIP	Property Address (Edmunds)	MCSJ Account Number	QA/QC
NA	7,498,394	2,407	NA	NA	Commercial	NA	NA	PennDot	NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	N/A	N/A	PennDOT
13-09-0547-007EX	2,689,101	863	2500 LISBURN ROAD		Commercial		670	628.5 PA INDUSTRIAL SCHOOL	CAMP HILL CORRECTIONAL INST	PA INDUSTRIAL SCHOOL	CAMP HILL CORRECTIONAL INST	LISBURN ROAD		CAMP HILL	PA	17011	N/A	N/A	
13-09-0547-006	1,818,727	584	3506 CAPITAL CITY MALL DRIV		Commercial		341	45.97 PR CC LIMITED PARTNERSHIP	C/O PREIT-RUBIN INC	PR CC LIMITED PARTNERSHIP	C/O PREIT-RUBIN INC	THE BELLEVIEW FOURTH FLOOR	200 SOUTH BROAD STREET	PHILADELPHIA	PA	19102	N/A	N/A	
NA	913,415	293	NA	NA	Commercial	NA	NA	PA Turnpike	NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	N/A	N/A	PA Turnpike
13-25-0020-055	905,225	291	2850 APPLETON STREET		Commercial		401	23.63 2850 APPLETON ASSOCIATES INC	C/O PROPERTY MANAGEMENT INC	2850 APPLETON ASSOCIATES LP	C/O PROPERTY MANAGEMENT INC	PO BOX 622		LEMOYNE	PA	17043	2850 APPLETON Street	2904590-0	Owner Name Does Not Match
13-10-0256-025	755,534	243	4501 WESTPORT DRIVE		Commercial		397	27.95 EXETER 4501 WESTPORT LLC		EXETER 4501 WESTPORT LLC		101 WEST ELM STREET	SUITE 600	CONSHOHOCKEN	PA	19428	4501 WESTPORT Drive	2803960-0	
13-25-0020-054A	745,596	239	1250 SAINT JOHNS ROAD		Commercial		454	19.93 SKYLINE STEEL LLC		SKYLINE STEEL LLC		8 WOODHOLLOW ROAD	SUITE 102	PARSIPPANY	NJ	07054	1250 SAINT JOHNS Road	2653580-0	
13-23-0545-416EX	694,297	223	1301 CARLISLE ROAD		Commercial		612	29 WEST SHORE AREA SCHOOL	DISTRICT	WEST SHORE AREA SCHOOL	DISTRICT	507 FISHING CREEK ROAD	PO BOX 803	NEW CUMBERLAND	PA	17070	N/A	N/A	
13-09-0545-006	638,996	205	5225 WILSON LANE		Commercial		317	74.6 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		5285 WESTVIEW DRIVE	SUITE 200	FREDERICK	MD	21703	5225 WILSON LANE	2874390-0	
13-10-0258-015EX	636,025	204	2645 LISBURN ROAD		Commercial		620	34.45 CHRISTIAN LIFE ASSEMBLY OF GOD		CHRISTIAN LIFE ASSEMBLY OF GOD		2645 LISBURN ROAD		CAMP HILL	PA	17011	2645 LISBURN Road	2793710-0	
13-10-0258-012	606,022	195	2700 YETTER COURT		Commercial		401	38.34 YETTER COURT ENTERPRISES LLC		YETTER COURT ENTERPRISES LLC		ATTN: ACCOUNTING	2700 YETTER COURT	CAMP HILL	PA	17011	N/A	N/A	
13-25-0020-059A	536,864	172	2800 APPLETON STREET		Commercial		395	16.21 ARMERACH L P	C/O CRAIG EISENBERT	ARMERACH L P	C/O CRAIG EISENBERT	1-71 NORTH AVENUE EAST		ELIZABETH	NJ	07201	2800 APPLETON Street	2793740-0	
13-09-0545-006EX	493,803	159	5225 WILSON LANE		Commercial		604	25 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		201 RUSSELL AVENUE		GAITHERSBURG	MD	20877	5225 WILSON LANE	2874390-0	
13-10-0256-091	460,149	148	2960 MERIDIAN WAY	& 2963 MERIDIAN WAY	Commercial		211	26.55 LISBURN DEVCO I LP		LISBURN DEVCO I LP		1650 CROOKED OAK DRIVE	SUITE 300	LANCASTER	PA	17601	2960 MERIDIAN WAY	1103700-0	
13-23-0559-078	460,753	148	5140 SIMPSON FERRY ROAD		Commercial		347	14.63 WEIS MARKET INCORPORATED		WEIS MARKET INCORPORATED		1000 SOUTH SECOND STREET		SUNBURY	PA	17801	5140 SIMPSON FERRY Road	2874415-0	
13-11-0270-042	453,451	146	3804 LISBURN ROAD		Commercial		389	82.18 LFGC, INCORPORATED		LFGC, INCORPORATED			PO BOX 1229	CAMP HILL	PA	17001	3804 LISBURN Road	3010030-0	
13-24-0799-173	419,836	135	25 UTLEY DRIVE	THRU 75 UTLEY DRIVE	Commercial		353	15.77 PA BUSINESS CENTER LP		PA BUSINESS CENTER LP		5351 JAYCEE AVENUE		HARRISBURG	PA	17112	25 UTLEY Drive	2653540-0	
13-09-0545-005B	416,617	134	325 WESLEY DRIVE		Commercial		316	20.18 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	325 WESLEY Drive	1101830-0	
13-10-0256-012PU	413,635	133	ARCONA ROAD	L R 21093	Commercial		703	16.5 PENNSYLVANIA POWER & LIGHT	C/O PPL EU SERVICES CORPORATION	PENNSYLVANIA POWER & LIGHT	C/O PPL EU SERVICES CORPORATION	PPL-REAL ESTATE TAXES (GENN2)	2 NORTH NINTH STREET	ALLENTOWN	PA	18101	N/A	N/A	
13-23-0553-013EX	411,390	132	3601 SIMPSON FERRY ROAD		Commercial		612	27 ROMAN CATHOLIC DIOCESE OF TR	HARRISBURG	ROMAN CATHOLIC DIOCESE OF TR	HARRISBURG	3601 SIMPSON FERRY ROAD		CAMP HILL	PA	17011	3601 SIMPSON FERRY Road	2652230-0	
13-23-0549-013	390,201	125	2015 STATE ROAD	THRU 2035 STATE ROAD	Commercial		401	9.69 SMITH LAND & IMPROVEMENT CORP		SMITH LAND & IMPROVEMENT CORP		1810 MARKET STREET		CAMP HILL	PA	17011	N/A	N/A	
13-10-0256-00A	381,447	122	4700 WESTPORT DRIVE	& 4750 WESTPORT DRIVE	Commercial		303	14.74 LOWER ALLEN BUS CNTR LP		LOWER ALLEN BUS CNTR LP		2121 OLD GATESBURG ROAD #200		STATE COLLEGE	PA	16803	N/A	N/A	
13-25-0020-056	377,507	121	1250 SLATE HILL ROAD		Commercial		418	14 WARRELL CORPORATION		WARRELL CORPORATION		1250 SLATE HILL ROAD		CAMP HILL	PA	17011	1250 SLATE HILL Road	2793690-0	
13-24-0799-175A	351,689	113	1200 SAINT JOHNS ROAD		Commercial		395	8.37 VITRAN PENNSYLVANIA LLC		VITRAN PROPERTIES USA LLC		12225 STEPHENS ROAD		WARREN	MI	48089	1200 SAINT JOHNS Road	2652650-0	Owner Name Does Not Match
13-24-0799-178A	349,944	112	3805 HARTZDALE DRIVE		Commercial		373	11.41 AMSI INVESTORS	C/O RYAN LLC	AMSI INVESTORS	C/O RYAN LLC	1735 MARKET STREET	SUITE A-400	PHILADELPHIA	PA	19103	3805 HARTZDALE Drive	2652630-0	
13-24-0797-197EX	337,092	108	4225 GETTYSBURG ROAD		Commercial		612	22 WEST SHORE AREA SCHOOL	DISTRICT	WEST SHORE AREA SCHOOL	DISTRICT	507 FISHING CREEK ROAD	PO BOX 803	NEW CUMBERLAND	PA	17070	4225 GETTYSBURG Road	2813970-0	
13-23-0553-065	337,152	108	3525 GETTYSBURG ROAD	& 3515 GETTYSBURG ROAD	Commercial		339	13.76 ALSTORES REALTY CORPORATION	C/O BON-TON/POMEROYS	ALSTORES REALTY CORPORATION	C/O BON-TON/POMEROYS		PO BOX 2821	YORK	PA	17405	3525 GETTYSBURG Road	2652400-0	
13-09-0545-007	332,189	107	4825 GETTYSBURG ROAD		Commercial		426	10.6 MID-AMERICA DAIRYMEN INC	C/O DAIRY FARMERS OF AMERICA	MID-AMERICA DAIRYMEN INC	C/O DAIRY FARMERS OF AMERICA	4825 OLD GETTYSBURG ROAD		MECHANICSBURG	PA	17055	4825 GETTYSBURG Road	2904570-0	
13-23-0551-111	311,211	100	3400 HARTZDALE DRIVE	WALMART STORE #5888-00	Commercial		373	17.2 WAL-MART REAL ESTATE BUSINESS TRUST	WAL-MART TAX DEPT., STORE #5888-00	WAL-MART REAL ESTATE BUSINESS TRUST	WAL-MART TAX DEPT., STORE #5888-00	1301 S E 10TH STREET		BENTONVILLE	AR	72712	3400 HARTZDALE Drive	2652200-0	
13-23-0551-149	304,358	98	3506 CAPITAL CITY MALL DRIV		Commercial		346	9 MAY DEPARTMENT STORES CO	ATTN PROPERTY/REAL EST TAX	MAY DEPARTMENT STORES CO	ATTN PROPERTY/REAL EST TAX	7 WEST SEVENTH STREET		CINCINNATI	OH	45202	N/A	N/A	
13-24-0801-009	300,179	96	3401 HARTZDALE DRIVE		Commercial		344	9.75 CAPITAL PLAZA ASSOCIATES		CAPITAL PLAZA ASSOCIATES		4464 SPRING HILL DRIVE		SCHNECKSVILLE	PA	18078	3401 HARTZDALE Drive	2641570-0	
13-24-0795-177	292,343	94	BETHANY DRIVE		Commercial		303	18.73 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	N/A	N/A	
13-23-0561-001A	290,797	93	5216 SIMPSON FERRY ROAD		Commercial		344	8.84 WINDSOR PARK, SHOP CENTERS LLP	ATTN: ACCOUNTING DEPARTMENT	WINDSOR PARK, SHOP CENTERS LLP	ATTN: ACCOUNTING DEPARTMENT	100 PAINTERS MILL ROAD STE 900	PO BOX 548	OWINGS MILLS	MD	21117	N/A	N/A	
13-22-0824-001	286,438	92	1100 COLUMBUS AVENUE	THRU 1137 COLUMBUS AVENUE	Commercial		211	15.39 NEW HIGHLAND PARK ASSOC LP	C/O RODMAN PROPERTIES	NEW HIGHLAND PARK ASSOC LP	C/O RODMAN PROPERTIES	308 EAST LANCASTER AVENUE	SUITE 235	WYNNEWOOD	PA	19096	1100 COLUMBUS Avenue	1100010-0	
13-23-0549-003	283,443	91	2404 GETTYSBURG ROAD		Commercial		398	10.01 MOUNTAINEER PROPERTIES LLC		MOUNTAINEER PROPERTIES LLC			PO BOX 921	CAMP HILL	PA	17001	2404 GETTYSBURG Road	2611140-0	
13-24-0791-001	271,365	87	5349 OXFORD DRIVE	PB 22 PG 113	Commercial		211	16.71 OXFORD MANOR APARTMENT ASSOC LLC	C/O MORGAN PROPERTIES LTD	OXFORD MANOR APARTMENT ASSOC LLC	C/O MORGAN PROPERTIES LTD	160 CLUBHOUSE ROAD		KING OF PRUSSIA	PA	19406	5349 OXFORD Drive	1100020-0	
13-10-0256-024	257,041	83	4500 WESTPORT DRIVE		Commercial		397	11.22 4500 WESTPORT DRIVE LLC	C/O NOVAYA REAL ESTATE VENTURES LLC	4500 WESTPORT DRIVE LLC	C/O NOVAYA REAL ESTATE VENTURES LLC	120 WATER STREET, THIRD FLOOR		BOSTON	MA	02109	4500 WESTPORT Drive	2803970-0	
13-09-0549-001	247,408	79	1040 LISBURN ROAD	& MILLTOWN ROAD	Commercial		445	92.21 HEMPT BROS INCORPORATED		HEMPT BROS INCORPORATED		205 CREEK ROAD		CAMP HILL	PA	17011	1040 LISBURN Road	1092530-0	
13-25-0020-052A	247,012	79	3901 HARTZDALE DRIVE	THRU 3913 HARTZDALE DRIVE	Commercial		353	9.21 SZELES BUILDING & LEASING LP		SZELES BUILDING & LEASING LP		2405 PARK DRIVE	SUITE 102	HARRISBURG	PA	17110	3901 HARTZDALE Drive	2652645-0	
13-24-0797-214	242,314	78	1115 SLATE HILL ROAD	SR 2025	Commercial		395	9.6 WARD TRANSPORT & LOGISTICS	CORP	WARD TRANSPORT & LOGISTICS	CORP	1436 WARD TRUCKING DRIVE	PO BOX 1553	ALTOONA	PA	16603	1115 SLATE HILL Road	2813980-0	
13-10-0256-028	244,487	78	4600 WESTPORT DRIVE		Commercial		353	10 ANCHOR INVESTORS LLC		ANCHOR INVESTORS LLC			PO BOX 0888	CAMP HILL	PA	17011	4600 WESTPORT Drive	2803964-0	
13-23-0559-079	237,947	76	135 WESLEY DRIVE	WESLEY PARK	Commercial		214	12.83 WESLEY PARK TOWNHOUSES	INCORPORATED	WESLEY PARK TOWNHOUSES	INCORPORATED	C/O PROPERTY MANAGEMENT INC	PO BOX 622	LEMOYNE	PA	17043	135 WESLEY Drive	1100070-0	
13-10-0256-015	222,769	72	5000 LOUISE DRIVE		Commercial		353	10.93 MEMBERS FIRST FEDERAL CREDIT	UNION	MEMBERS FIRST FEDERAL CREDIT	UNION	5000 LOUISE DRIVE		MECHANICSBURG	PA	17055	5000 LOUISE Drive	2803845-0	
13-23-0553-061	217,380	70	3415 SIMPSON FERRY ROAD		Commercial		346	5.75 3515 SIMPSON FERRY ROAD LP	C/O SUNRISE LIBERTY LP	3515 SIMPSON FERRY ROAD LP	C/O SUNRISE LIBERTY LP	950 SMILE WAY		YORK	PA	17404	3415 SIMPSON FERRY Road	2652380-0	
13-23-0547-373EX	217,549	70	1811 CARLISLE ROAD		Commercial		604	50.65 GRANDVIEW CEMETARY ASSOCIATION		GRANDVIEW CEMETARY ASSOCIATION		2735 WALBERT AVENUE		ALLENTOWN	PA	18104	1811 CARLISLE Road	1100090-0	
13-23-0551-003A	213,686	69	3420 SIMPSON FERRY ROAD		Commercial		460	5.65 K S INDUSTRIES INCORPORATED	C/O ASF-KEYSTONE INC	K S INDUSTRIES INCORPORATED	C/O ASF-KEYSTONE INC	3420 SIMPSON FERRY ROAD		CAMP HILL	PA	17011	3420 SIMPSON FERRY Road	2652210-0	
13-22-0536-001	215,750	69	2000 HUMMEL AVENUE		Commercial		436	5.66 CONSOLIDATED NUTRITION L C	C/O ADM ALLIANCE NUTRITION	CONSOLIDATED NUTRITION L C	C/O ADM ALLIANCE NUTRITION	TAX V-014637 #CR5	PO BOX 1470	DECATUR	IL	62525	2000 HUMMEL Avenue	2600880-0	
13-24-0795-001A	208,072	67	960 CENTURY DRIVE	& 980 CENTURY DRIVE	Commercial		353	7.68 CENTURY PARK INVESTMENTS LP		CENTURY PARK INVESTMENTS LP		4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	960 CENTURY Drive	2854150-0	
13-23-0545-346	206,221	66	1104 CARLISLE ROAD	SHOPPES AT CEDAR CLIFF	Commercial		341	5.29 CEDAR CLIFF LP		CEDAR CLIFF LP		2555 KINGSTON ROAD	SUITE 180	YORK	PA	17402	N/A	N/A	
13-24-0803-018	203,031	65	850 LISBURN ROAD	& 2010-2050 BROOKS EDGE DRIVE	Commercial		211	11.84 BROOKS EDGE APARTMENTS LP		BROOKS EDGE APARTMENTS LP		5351 JAYCEE AVENUE		HARRISBURG	PA	17112	850 LISBURN Road	1104380-0	
13-10-0256-002A	201,622	65	5010 RITTER ROAD	& 5020 RITTER ROAD	Commercial		353	7.15 HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	1853 WILLIAM PENN WAY		LANCASTER	PA	17601	5010 RITTER Road	2803910-0	
13-23-0549-006	194,798	63	2202 GETTYSBURG ROAD	THRU 2236 GETTYSBURG ROAD	Commercial		342	4.28 NTZANIS, THOMAS S ET AL	C/O LOWER ALLEN SHOPPING CTR	NTZANIS, THOMAS S ET AL	C/O LOWER ALLEN SHOPPING CTR	MAILBOX 2204 REAR GETTYSBURG R		CAMP HILL	PA	17011	2202 GETTYSBURG Road	2611340-0	
13-25-0020-053B	192,347	62	APPLETON STREET	& SAINT JOHNS ROAD	Commercial		339	6.09 2850 APPLETON ASSOCIATES L P	C/O PROPERTY MANAGEMENT INC	2850 APPLETON ASSOCIATES L P	C/O PROPERTY MANAGEMENT INC	PO BOX 622		LEMOYNE	PA	17043	N/A	N/A	
13-24-0793-166	194,389	62	175 LANCASTER BOULEVARD	& 179 LANCASTER BOULEVARD	Commercial		303	7.83 GMR MECHANICSBURG LLC	C/O ALTUS GROUP U.S., INC.	GMR MECHANICSBURG LLC	C/O ALTUS GROUP U.S., INC.		PO BOX 92129	SOUTHLAKE	TX	76092	175 LANCASTER Boulevard	2874360-0	
13-09-0545-002EX	190,649	61	5120 SIMPSON FERRY ROAD	UNITED METH HOME FOR CHILDREN	Commercial		604	35.18 METHODIST HOME FOR CHILDREN		METHODIST HOME FOR CHILDREN		5120 SIMPSON FERRY ROAD		MECHANICSBURG	PA	17055	5120 SIMPSON FERRY Road	1085600-0	
13-23-0545-082	191,141	61	1195 LOWTHER ROAD	WEIS STORE #125	Commercial		347	6.14 WEIS MARKET INCORPORATED		WEIS MARKET INCORPORATED		1000 SOUTH SECOND STREET		SUNBURY	PA	17801	1195 LOWTHER Road	2450330-0	
13-25-0020-057	188,418	60	1401 SLATE HILL ROAD		Commercial		397	6.97 1401 SLATE HILL ROAD LLC		1401 SLATE HILL ROAD LLC		16155 TRADE ZONE AVENUE		UPPER MARLBORO	MD	20744	1401 SLATE HILL Road	2793750-0	
13-09-0549-005	181,511	58	205 CREEK ROAD		Commercial		459	110.53 HEMPT BROTHERS INCORPORATED		HEMPT BROTHERS INCORPORATED		205 CREEK ROAD		CAMP HILL	PA	17011	205 CREEK Road	2480700-0	
13-25-0020-050	175,859	56	1302 SLATE HILL ROAD		Commercial		397	7.73 VERTICAL PROPERTIES LP		VERTICAL PROPERTIES LP		4400 GETTYSBURG ROAD		CAMP HILL	PA	17011	1302 SLATE HILL Road	2793640-0	
13-23-0549-001A	170,996	55	2244 GETTYSBURG ROAD	& SPERA DRIVE	Commercial		397	5.37 EASTERN LOGISTICS INC		EASTERN LOGISTICS INC		PO BOX 3158		SHIREMANSTOWN	PA	17011	2244 GETTYSBURG Road	2611180-0	
13-10-0258-005	170,391	55	2900 LISBURN ROAD		Commercial		211	8.04 NEW SOCIETY HILL APARTMENTS LLC		NEW SOCIETY HILL APARTMENTS LLC	C/O RP MANAGEMENT INC	PO BOX 678		WYNNEWOOD	PA	19096	N/A	N/A	
13-10-0256-018	164,366	53	5040 RITTER ROAD		Commercial		353	6.1 5040 RITTER ROAD LLC		5040 RITTER ROAD LLC	C/O NATIONAL VISION ADMINISTRATION	1200 ROUTE 46 WEST		CLIFTON	NJ	07013	5040 RITTER Road	2803930-0	
13-10-0256-016	162,810	52	5001 LOUISE DRIVE	HILLSIDE CORPORATE CENTER	Commercial		353	5.71 LINLO PROPERTIES VIII LP		LINLO PROPERTIES VIII LP		SUITE 100		CAMP HILL	PA	17011	5001 LOUISE Drive	2803850-0	
13-10-0256-015B	160,594	52	5035 RITTER ROAD		Commercial		353	5.54 GRIFFIN(MECHANICSBURG) ESSENTIAL	ASSET REIT II LL	GRIFFIN(MECHANICSBURG) ESSENTIAL	ASSET REIT II LL	C/O MARVIN F POER & COMPANY	3520 PIEDMONT ROAD, NE SUITE 410	ATLANTA	GA	30305	5035 RITTER Road	2803770-0	
13-24-0792-001	161,312	52	4950 WILSON LANE		Commercial		640	4.35 HCRI PENNSYLVANIA PROPERTIES INC		HCRI PENNSYLVANIA PROPERTIES INC		4500 DORR STREET		TOLEDO	OH	43615	4950 WILSON LANE	2874450-0	
13-23-0549-011	157,349	51	2056 STATE ROAD	& 2058 STATE ROAD	Commercial		397	3.58 R F FAGER COMPANY		R F FAGER COMPANY		2056 STATE ROAD		CAMP HILL	PA	17011	2056 STATE ROAD	2611500-0	
13-26-0247-036EX	154,640	50	1225 ROSSMOYNE ROAD	LR 21069	Commercial		612	14.04 WEST SHORE AREA SCHOOL	DISTRICT	WEST SHORE AREA SCHOOL	DISTRICT	507 FISHING CREEK ROAD	PO BOX 803	NEW CUMBERLAND	PA	17070	1225 ROSSMOYNE Road	2803940-0	
13-25-0020-059	152,847	49	1400 HILLCREST COURT		Commercial		211	9.54 SERLUCO, MICHAEL A		SERLUCO, MICHAEL A		400 NORTH FRONT STREET		WORMLEYSBURG	PA	17043	1400 HILLCREST COURT	1101710-0	
13-10-0256-038	154,167	49	4950 RITTER ROAD	HAMPTON INN	Commercial		315	6.73 HIGH HOTELS LIMITED	ATTN: ACCOUNTING	HIGH HOTELS LIMITED	ATTN: ACCOUNTING	1853 WILLIAM PENN WAY		LANCASTER	PA	17605	4950 RITTER Road	2803880-0	
13-25-0020-052CEX	148,087	48	1200 RR SLATE HILL ROAD		Commercial		604	7.98 CHRIST COMMUNITY CHURCH OF	CAMP HILL	CHRIST COMMUNITY CHURCH OF	CAMP HILL	1200 SLATE HILL ROAD		CAMP HILL	PA	17011	N/A	N/A	
13-10-0256-043	146,130	47	4751 WESTPORT DRIVE		Commercial		396	6.21 LOWER ALLEN TWP STORAGE LLC		LOWER ALLEN TWP STORAGE LLC		2121 OLD GATESBURG ROAD	SUITE 200	STATE COLLEGE	PA	16803	4751 WESTPORT Drive	2803990-0	
13-24-0797-218EX	143,899	46	1201 SLATE HILL ROAD		Commercial		620	3.79 CHRIST COMMUNITY CHURCH OF	CAMP HILL	CHRIST COMMUNITY CHURCH OF	CAMP HILL	1201 SLATE HILL ROAD		CAMP HILL	PA	17011	1201 SLATE HILL Road	2793660-0	
13-23-0561-082	142,044	46	5202 SIMPSON FERRY ROAD	THRU 5214 SIMPSON FERRY ROAD	Commercial		344	3.99 WINDSOR PARK, SHOP CENTERS LLP	ATTN: ACCOUNTING DEPARTMENT	WINDSOR PARK, SHOP CENTERS LLP	ATTN: ACCOUNTING DEPARTMENT	100 PAINTERS MILL ROAD STE 900	PO BOX 548	OWINGS MILLS	MD	21117	N/A	N/A	
13-25-0020-052	136,670	44	SLATE HILL ROAD		Commercial		303	43.36 VERTICAL PROPERTIES LP		VERTICAL PROPERTIES LP		4499 GETTYSBURG ROAD		CAMP HILL	PA	17011	N/A	N/A	
13-10-0256-002B	136,553	44	4900 RITTER ROAD		Commercial		353	5.43 RITTER ROAD INVESTORS LLC		RITTER ROAD INVESTORS LLC		1300 MARKET STREET	SUITE 201	LEMOYNE	PA	17043	4900 RITTER ROAD	2803860-0	
13-10-0256-016C	138,021	44	4999 LOUISE DRIVE		Commercial		353	5.6 MEMBERS 1ST FEDERAL CR UN		MEMBERS 1ST FEDERAL CR UN		5000 LOUISE DRIVE		MECHANICSBURG	PA	17055	4999 LOUISE Drive	2803844-0	
13-10-0256-026	136,440	44	5001 RITTER ROAD	HOMEWOOD SUITES	Commercial		315	5.55 HIGH HOTELS LTD	ATTN: ACCOUNTING	HIGH HOTELS LTD	ATTN: ACCOUNTING	1853 WILLIAM PENN WAY	PO BOX 10008	LANCASTER	PA	17601	5001 RITTER ROAD	2803885-0	
13-23-0549-014	135,254	43	2051 STATE ROAD		Commercial		397	3.8 FAGER, R F COMPANY		FAGER, R F COMPANY		2058 STATE ROAD		CAMP HILL	PA	17011	2051 STATE ROAD	2611560-0	
13-24-0795-164	133,119	43	860 WESLEY DRIVE		Commercial		373	5.35 PA BUSINESS CENTER LP		PA BUSINESS CENTER LP		5351 JAYCEE AVENUE		HARRISBURG	PA	17112	860 WESLEY Drive	2874350-0	
13-23-0545-442EX	131,027	42	1325 CARLISLE ROAD		Commercial		612	10 WEST SHORE AREA SCHOOL	DISTRICT	WEST SHORE AREA SCHOOL	DISTRICT	507 FISHING CREEK ROAD	PO BOX 803	NEW CUMBERLAND	PA	17070	1325 CARLISLE Road	2470650-0	
13-10-0256-016B	130,238	42	4909 LOUISE DRIVE		Commercial		303	5.7 HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	1853 WILLIAM PENN WAY		LANCASTER	PA	17605	N/A	N/A	
13-10-0256-037	128,229	41	1215 MANOR DRIVE		Commercial		353	5.88 LINLO PROPERTIES III LP		LINLO PROPERTIES III LP		SUITE 100	150 CORPORATE CENTER DRIVE	CAMP HILL	PA	17011	1215 MANOR Drive	2804010-0	
13-24-0795-168	127,084	41	4732 GETTYSBURG ROAD		Commercial		353	2.2 OLD GETTYSBURG ASSOCIATES V LP	C/O SELECT CAPITAL CORPORATION	OLD GETTYSBURG ASSOCIATES V LP	C/O SELECT CAPITAL CORPORATION	4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	4732 GETTYSBURG Road	2010180-0	
13-09-0545-011PU	120,340	39	852 WESLEY DRIVE		Commercial		701	6.36 PENNSYLVANIA AMERICAN WATER COMPANY		PENNSYLVANIA AMERICAN WATER COMPANY		800 HERSHEY PARK DRIVE		HERSHEY	PA	17033	852 WESLEY Drive	2874370-0	
13-23-0549-136B	117,109	38	2201 CEDAR RUN DRIVE	- 2211 CEDAR RUN DRIVE	Commercial		211	8.13 ORCHARD APARTMENTS ASSOCIATES	C/O INTERSTATE REALTY MGMT CO	ORCHARD APARTMENTS ASSOCIATES	C/O INTERSTATE REALTY MGMT CO	PO BOX 994		MARLTON	NJ	08053	N/A	N/A	
13-10-0256-042	116,094	37	4530 LENA DRIVE		Commercial		353	6.92 4530 LENA DRIVE LP		4530 LENA DRIVE LP		4550 LENA DRIVE	SUITE 103	MECHANICSBURG	PA	17055	4530 LENA Drive	2804040-0	
13-10-0256-002C	115,610	37	5000 RITTER ROAD		Commercial		353	5.13 HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	1853 WILLIAM PENN WAY		LANCASTER	PA	17601	5000 RITTER Road	2803900-0	
13-24-0799-176B	111,906	36	3825 HARTZDALE DRIVE		Commercial		303	5.74 GOODWILL KEYSTONE AREA		GOODWILL KEYSTONE AREA		1150 GOODWILL DRIVE		HARRISBURG	PA	17101	3825 HARTZDALE Drive	2652640-0	
13-24-0795-169	113,680	36	1010 WESLEY DRIVE		Commercial		342	3.76 DIVERSIFIED-WESLEY DRIVE L P	C/O APPLE PROPERTY MANAGEMENT	DIVERSIFIED-WESLEY DRIVE L P	C/O APPLE PROPERTY MANAGEMENT	950 SMILE WAY		YORK	PA	17404	1010 WESLEY Drive	2874460-0	
13-25-0020-053A	110,033	35	2875 APPLETON STREET		Commercial		303	5 CAMP HILL TERMINAL LLC		CAMP HILL TERMINAL LLC		I-71 NORTH AVENUE EAST		ELIZABETH	NJ	07201	2875 APPLETON Street	2793760-0	
13-10-0256-016A	109,995	35	4901 LOUISE DRIVE		Commercial		353	6.8 ERIE INSURANCE EXCHANGE	ATTN CORPORATE TAXATION DEPT	ERIE INSURANCE EXCHANGE	ATTN CORPORATE TAXATION DEPT	100 ERIE INSURANCE PLACE		ERIE	PA	16530	4901 LOUISE Drive	2803830-0	
13-25-0024-009	108,740	35	4913 GETTYSBURG ROAD		Commercial		353	3.38 IMT LLC		IMT LLC		4166 BIRCHWOOD LANE		MECHANICSBURG	PA	17055	4913 GETTYSBURG Road	2803800-0	
13-24-0799-256	105,094	34	3809 HARTZDALE DRIVE		Commercial		303	4.58 YCH PROPERTIES LP		YCH PROPERTIES LP		3809 HARTZDALE DRIVE		CAMP HILL	PA	17011	N/A	N/A	
13-24-0797-194EX	106,495	34	4100 GETTYSBURG ROAD		Commercial		612	7.5 WEST SHORE AREA SCHOOL	DISTRICT	WEST SHORE AREA SCHOOL	DISTRICT	507 FISHING CREEK	PO BOX 803	NEW CUMBERLAND	PA	17070	4100 GETTYSBURG Road	2814010-0	
13-25-0024-006	103,893	33	4921 GETTYSBURG ROAD		Commercial		315	6.29 SHANER SELECT SERVICES HOTELS	II LLC	SHANER SELECT SERVICES HOTELS	II LLC	1965 WALDEN ROAD		STATE COLLEGE	PA	16803	N/A	N/A	
13-09-0545-005AEX	104,016	33	335 WESLEY DRIVE		Commercial		604	9.94 BETHANY DEVELOPMENT	CORPORATION	BETHANY DEVELOPMENT	CORPORATION	1217 SLATE HILL ROAD		CAMP HILL	PA	17011	335 WESLEY Drive	1100610-0	
13-25-0022

13-25-0024-013	57,071	18	4943 GETTYSBURG ROAD		Commercial	315	2.2 REGAL PARTNERS LP		REGAL PARTNERS LP		10907 VALLEY FORGE CIRCLE		KING OF PRUSSIA	PA	19406	4943 GETTYSBURG ROAD	2803815-0		
13-23-0553-069	52,559	17	3552 GETTYSBURG ROAD		Commercial	353	0.85 DEEM GUYS		DEEM GUYS		PO BOX 853		LATROBE	PA	15650	3552 GETTYSBURG Road	2652300-0		
13-24-0797-219EX	52,498	17	1127 SLATE HILL ROAD		Commercial	620	1.88 HARRISBURG KOREAN PRESBYTERIAN	CHURCH	HARRISBURG KOREAN PRESBYTERIAN	CHURCH	1127 SLATE HILL ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-24-0801-006	53,403	17	3525 HARTZDALE DRIVE		Commercial	337	3.18 SERLUCO, MICHAEL A		SERLUCO, MICHAEL A		400 NORTH FRONT STREET		WORMLEYSBURG	PA	17043	3525 HARTZDALE Drive	2653470-0		
13-23-0553-063	54,180	17	3435 SIMPSON FERRY ROAD		Commercial	373	1.48 CALUMET ENTERPRISES LLC		CALUMET ENTERPRISES LLC		2205 OLD PHILADELPHIA PIKE		LANCASTER	PA	17602	3435 SIMPSON FERRY Road	2652360-0		
13-23-0551-032	50,399	16	3150 GETTYSBURG ROAD		Commercial	332	1.19 BECKER, DAVID J		BECKER, DAVID J		3303 HARTZDALE DRIVE		CAMP HILL	PA	17011	N/A	N/A		
13-24-0799-088	51,129	16	1111 PRIMROSE AVENUE	& 1110 RANA VILLA AVENUE	Commercial	397	1.5 KINDT, BARRY	& CRAIG DRABENSTADT	KINDT, BARRY	& CRAIG DRABENSTADT	1111 PRIMROSE AVENUE		CAMP HILL	PA	17011	1111 PRIMROSE Avenue	2653590-0		
13-24-0807-109	50,377	16	1513 CEDAR CLIFF DRIVE	THRU 1521 CEDAR CLIFF DRIVE	Commercial	353	2.09 THE SAINT PAUL GROUP		THE SAINT PAUL GROUP		1525 CEDAR CLIFF DRIVE		CAMP HILL	PA	17011	1513 CEDAR CLIFF Drive	2470570-0		
13-24-0799-176A	48,859	16	3850 HARTZDALE ROAD		Commercial	351	2.62 SUSQUEHANNA VALLEY FEDERAL	CREDIT UNION	SUSQUEHANNA VALLEY FEDERAL	CREDIT UNION	3850 HARTZDALE DRIVE		CAMP HILL	PA	17011	N/A	N/A		
13-24-0795-165	49,403	16	910 CENTURY DRIVE		Commercial	353	2.29 CENTURY ROAD ASSOCIATES LLC		CENTURY ROAD ASSOCIATES LLC		492 CAPITOL HILL ROAD		DILLSBURG	PA	17019	910 CENTURY Drive	2854107-0		
13-24-0795-179	49,824	16	1012 WESLEY DRIVE		Commercial	315	1.75 THAKRAR, ANIL C & NEEMA		THAKRAR, ANIL C & NEEMA		507 LEEWARD LANE		ENOLA	PA	17025	1012 WESLEY Drive	2874558-0		
13-10-0260-005	50,037	16	1425 SPANGLERS MILL ROAD		Commercial	303	4.88 EWING, CHARLES D	C/O IFP	EWING, CHARLES D	C/O IFP	PO BOX 253		LEMOYNE	PA	17043	N/A	N/A		
13-22-0826-002	50,463	16	1600 HUMMEL AVENUE		Commercial	353	1.2 WONDERS, DORIS A		WONDERS, DORIS A		5 WHITE OAK CIRCLE		LEMOYNE	PA	17043	1600 HUMMEL Avenue	2600780-0		
13-10-0258-013EX	48,350	16	LISBURN ROAD		Commercial	604	71.61 PENNSYLVANIA, COMMONWEALTH OF		PENNSYLVANIA, COMMONWEALTH OF		18TH & HERR STREETS		HARRISBURG	PA	17103	N/A	N/A		
13-23-0549-004	49,210	16	2300 GETTYSBURG ROAD		Commercial	303	1.36 GETTY INVESTMENT LLC		GETTY INVESTMENT LLC		780 GARRISTON ROAD		LEWISBERRY	PA	17339	2300 GETTYSBURG Road	2611160-0		
13-23-0551-111C	50,907	16	3401 HARTZDALE DRIVE		Commercial	344	2.33 CAPITAL PLAZA ASSOC		CAPITAL PLAZA ASSOC		4464 SPRING HILL DRIVE		SCHNECKSVILLE	PA	18078	3401 HARTZDALE Drive	2641570-0		
13-24-0799-178	45,479	15	1137 SAINT JOHNS ROAD		Commercial	105	2.02 HAUENSTEIN, SUSAN A & JOHN J		HAUENSTEIN, SUSAN A & JOHN J		1137 SAINT JOHNS ROAD		CAMP HILL	PA	17011	1137 SAINT JOHNS Road	1053120-0		Owner Name Does Not Match
13-23-0553-062	48,085	15	3425 SIMPSON FERRY ROAD		Commercial	353	1.91 PENNSYLVANIA CENTER COMPANY		PENNSYLVANIA CENTER COMPANY		3425 SIMPSON FERRY ROAD		CAMP HILL	PA	17011	3425 SIMPSON FERRY Road	2652370-0		
13-24-0797-198	47,946	15	4201 GETTYSBURG ROAD		Commercial	302	1.87 MANSFIELD, WAYNE A, STEVEN R,	& MICHAEL L & SHARON M BARBARETTA	MANSFIELD, WAYNE A, STEVEN R,	& MICHAEL L & SHARON M BARBARETTA	4201 GETTYSBURG ROAD LOT 21		CAMP HILL	PA	17011	4201 GETTYSBURG Road	2813960-0		
13-24-0795-005B	45,217	15	4720 GETTYSBURG ROAD		Commercial	353	1.82 OLD GETTYSBURG ASSOCIATES II	C/O SELECT CAPITAL CORPORATION	OLD GETTYSBURG ASSOCIATES II	C/O SELECT CAPITAL CORPORATION	4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	4720 GETTYSBURG Road	2824030-0		
13-24-0795-106	45,180	15	4600 GETTYSBURG ROAD		Commercial	339	1.42 OLD GETTYSBURG ASSOCIATES VI		OLD GETTYSBURG ASSOCIATES VI		4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	4600 GETTYSBURG Road	1100260-0		
13-09-0545-001EX	46,457	15	5000 SIMPSON FERRY ROAD		Commercial	620	4.5 MOUNT OLIVET METHODIST CH TR		MOUNT OLIVET METHODIST CH TR		215 ELIZABETH COURT		STERLING	VA	20164	N/A	N/A		
13-10-0258-029	44,764	14	1525 SLATE HILL ROAD		Commercial	112	46.99 CALDWELL, MARK G		CALDWELL, MARK G		1525 SLATE HILL ROAD		CAMP HILL	PA	17011	1525 SLATE HILL Road	1092010-0		
13-23-0551-145	42,551	14	3303 HARTZDALE DRIVE		Commercial	333	1.42 BECKER, DAVID J		BECKER, DAVID J		3303 HARTZDALE DRIVE		CAMP HILL	PA	17011	3303 HARTZDALE Drive	2641808-0		
13-11-0270-004	42,674	14	1909 SHEEPFORD ROAD		Commercial	112	109.89 CAREY, GARY		CAREY, GARY		1909 SHEEPFORD ROAD		MECHANICSBURG	PA	17055	N/A	N/A		
13-24-0795-176	42,117	14	900 CENTURY DRIVE		Commercial	353	3.09 ELLIS, SHAUN		ELLIS, SHAUN		900 CENTURY DRIVE #200		MECHANICSBURG	PA	17055	900 CENTURY Drive	2854105-0		
13-24-0795-166	43,306	14	4840 GETTYSBURG ROAD		Commercial	348	0.98 HET ENTERPRISES LLC		HET ENTERPRISES LLC		1631 BRIDGE STREET		NEW CUMBERLAND	PA	17070	4840 GETTYSBURG Road	2010050-0		
13-23-0551-006A	44,006	14	3424 SIMPSON FERRY ROAD		Commercial	374	2.08 SAMUEL BROTHERS REALTY LP		SAMUEL BROTHERS REALTY LP		53 COOPER AVENUE		LANDISVILLE	PA	17538	3424 SIMPSON FERRY Road	2652580-0		
13-23-0553-068	43,678	14	3556 GETTYSBURG ROAD		Commercial	351	1.1 SHOVER INVESTMENT GROUP 3 LLC		SHOVER INVESTMENT GROUP 3 LLC		1371 PATRICK HENRY DRIVE		PHOENIXVILLE	PA	19460	3556 GETTYSBURG Road	2652290-0		
13-09-0545-005EX	42,681	14	335 RR WESLEY DRIVE		Commercial	320	3.91 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	N/A	N/A		
13-10-0258-003EX	40,165	13	LISBURN ROAD		Commercial	604	1.83 SLATE HILL MENNONITE CHURCH		SLATE HILL MENNONITE CHURCH		1352 SLATE HILL ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-24-0795-172	40,214	13	930 CENTURY DRIVE	& WOODLAND STREET	Commercial	353	1.42 LINLO PROPERTIES VI LP		LINLO PROPERTIES VI LP		SUITE 100	150 CORPORATE CENTER DRIVE	CAMP HILL	PA	17011	930 CENTURY Drive	2854120-0		
13-23-0553-001A	41,948	13	3619 SIMPSON FERRY ROAD		Commercial	344	2.08 SLIKE, DONALD E & ROSE MARIE		SLIKE, DONALD E & ROSE MARIE			PO BOX 292	CAMP HILL	PA	17011	N/A	N/A		
13-24-0795-173	40,728	13	920 CENTURY DRIVE	& WESLEY DRIVE	Commercial	349	2.35 920 CENTURY LP		920 CENTURY LP		110 NORTH SEVENTH STREET		LEMOYNE	PA	17043	920 CENTURY Drive	2854110-0		
13-25-0022-005	40,058	13	4729 GETTYSBURG ROAD		Commercial	321	2.42 PALUMBO REAL ESTATE LLC		PALUMBO REAL ESTATE LLC		10 DAPP LANE		MECHANICSBURG	PA	17050	4729 GETTYSBURG Road	2010070-0		
13-10-0256-014	38,991	13	1420 INDIAN LANE		Commercial	112	12.6 ZAMBARANO, THOMAS J & ANN L		ZAMBARANO, THOMAS J & ANN L		1420 INDIAN LANE		MECHANICSBURG	PA	17055	1420 INDIAN LANE	1091000-0		
13-10-0258-067	41,628	13	1843 WARD LANE		Commercial	113	11.4 WARD, PRESTON E & KAREN L		WARD, PRESTON E & KAREN L		1857 SHEFFORD ROAD		MECHANICSBURG	PA	17055	1843 WARD LANE	1094650-0		
13-24-0795-004	40,149	13	4700 GETTYSBURG ROAD		Commercial	319	1.19 OLD GETTYSBURG ASSOCIATES VI LP		OLD GETTYSBURG ASSOCIATES VI LP		4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	4700 GETTYSBURG Road	1080210-0		
13-23-0553-067	39,714	13	3540 GETTYSBURG ROAD		Commercial	344	1.12 HARRIS, JAMES P		HARRIS, JAMES P		385 EASTERN DRIVE		HARRISBURG	PA	17111	3540 GETTYSBURG Road	2652350-0		
13-22-0826-005	41,643	13	302 S 18TH STREET		Commercial	319	1.66 BANGS, HOYT W		BANGS, HOYT W		234 WOODLAND AVENUE		MALVERN	PA	19355	302 S 18TH STREET	2600810-0		
13-09-0545-008	40,075	13	801 SHEELY LANE		Commercial	303	3.29 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	N/A	N/A		
13-22-0536-043	38,711	12	2050 STATE ROAD		Commercial	321	1.03 DOLAN & FROMM		DOLAN & FROMM PARTNERSHIP		2050 STATE ROAD		CAMP HILL	PA	17011	2050 STATE ROAD	2611510-0		Owner Name Does Not Match
13-24-0797-089	38,934	12	4400 GETTYSBURG ROAD		Commercial	353	1.74 KALBACH ASSOCIATES LP		KALBACH ASSOCIATES LP		4400 GETTYSBURG ROAD		CAMP HILL	PA	17011	4400 GETTYSBURG Road	2824050-0		
13-25-0020-036EX	36,616	12	1217 SLATE HILL ROAD		Commercial	604	1.3 CHRIST COMMUNITY CHURCH OF	CAMP HILL	CHRIST COMMUNITY CHURCH OF	CAMP HILL	1201 SLATE HILL ROAD		CAMP HILL	PA	17011	1217 SLATE HILL Road	2793700-0		
13-26-0251-022	37,518	12	1520 SLATE HILL ROAD		Commercial	112	11.18 MANNING, MICHAEL C & KELLY Q		MANNING, MICHAEL C & KELLY Q		1520 SLATE HILL ROAD		CAMP HILL	PA	17011	1520 SLATE HILL Road	1092000-0		
13-24-0805-077EX	36,815	12	115 CREEK ROAD		Commercial	620	2.89 EBERLYS MILL CHURCH OF GOD		EBERLYS MILL CHURCH OF GOD		115 CREEK ROAD		CAMP HILL	PA	17013	N/A	N/A		
13-10-0256-027	37,047	12	4651 WESTPORT DRIVE		Commercial	353	2.68 PENNSYLVANIA-DEL DISTRICT	COUNCIL ASSEMBLY OF GOD	PENNSYLVANIA-DEL DISTRICT	COUNCIL ASSEMBLY OF GOD	4651 WESTPORT DRIVE		MECHANICSBURG	PA	17055	4651 WESTPORT Drive	2803975-0		
13-23-0555-083	36,283	12	145 S LOCUST STREET		Commercial	300	6.35 GRACE, WILLIAM R & ELIZABETH A		GRACE, WILLIAM R & ELIZABETH A			PO BOX 301	NEW CUMBERLAND	PA	17070	145 S LOCUST Street	1051600-0		
13-23-0551-147	37,752	12	3315 HARTZDALE DRIVE		Commercial	321	2.16 KALATHAS, THEODORE N & MOSCA G		KALATHAS, THEODORE N & MOSCA G		109 TURTLE HOLLOW DRIVE		LEWISBERRY	PA	17339	3315 HARTZDALE Drive	2641580-0		
13-26-0251-170	36,162	12	SHEEPFORD ROAD		Commercial	113	10.06 OSTERLUND, JASON C	& JENNIFER E OSTERLUND	OSTERLUND, JASON C	& JENNIFER E OSTERLUND	968 CEDARS ROAD		LEWISBERRY	PA	17339	N/A	N/A		
13-23-0551-002	33,202	11	920 LINDA LANE		Commercial	353	0.88 LINDA LANE LLC		LINDA LANE LLC			PO BOX 177	WARWICK	NY	10990	920 LINDA LANE	2653620-0		
13-23-0559-080	35,061	11	5032 SIMPSON FERRY ROAD	SR 2014	Commercial	351	1.05 COMMERCE BANK/HARRISBURG	ATTN ACCOUNTS PAYABLE	COMMERCE BANK/HARRISBURG	C/O FIRST NATIONAL BANK	4140 EAST STATE STREET		HERMITAGE	PA	16148	5032 SIMPSON FERRY Road	2874406-0		
13-23-0549-002	35,124	11	2400 GETTYSBURG ROAD		Commercial	398	1.35 MOUNTAINEER PROPERTIES LLC		MOUNTAINEER PROPERTIES LLC			PO BOX 921	CAMP HILL	PA	17001	2400 GETTYSBURG Road	2611150-0		
13-23-0551-005EX	35,779	11	925 LINDA LANE		Commercial	604	0.79 UNITED CEREBRAL PALSY OF	CAPITAL AREA	UNITED CEREBRAL PALSY OF	CAPITAL AREA	55 UTLEY DRIVE		CAMP HILL	PA	17011	925 LINDA LANE	2652470-0		
13-24-0799-064	33,320	11	3817 GETTYSBURG ROAD		Commercial	321	0.75 BARRY, DOUGLAS J & DEBORAH E		BARRY, DOUGLAS J & DEBORAH E		840 KIEHL DRIVE		LEMOYNE	PA	17043	3817 GETTYSBURG Road	2652540-0		
13-23-0559-087	34,117	11	5030 ARTHUR DRIVE		Commercial	332	1 BONSALLI, LANCE L		EAH PROPERTY HOLDINGS LLC		5030 ARTHUR DRIVE		MECHANICSBURG	PA	17050	N/A	N/A		Owner Name Does Not Match
13-10-0256-030	33,973	11	4510 WESTPORT DRIVE		Commercial	303	1.46 YELLDAN LIMITED A PENNSYLVANIA	CORPORATION	H & H REALTY LLC		4510-A WESTPORT DRIVE		MECHANICSBURG	PA	17055	4510 WESTPORT Drive	2803968-0		Owner Name Does Not Match
13-10-0258-070	34,522	11	1847 WARD LANE		Commercial	112	17.11 WARD, LARRY K & JENNIFER L		WARD, LARRY K & JENNIFER L		1847 WARD LANE		MECHANICSBURG	PA	17055	1847 WARD LANE	1094390-0		
13-31-2134-023	33,223	11	1781 MAIN STREET		Commercial	319	3 CAREY, WOODROW S & ANNA V ET AL		CAREY, WOODROW S & ANNA V ET AL		1781 MAIN STREET		MECHANICSBURG	PA	17055	N/A	N/A		
13-09-0545-010A	34,408	11	4517 GETTYSBURG ROAD		Commercial	300	7.38 GETTYSBURG ROAD INVESTORS LLC		GETTYSBURG ROAD INVESTORS LLC		4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	N/A	N/A		
13-23-0553-071	35,514	11	3555 GETTYSBURG ROAD		Commercial	322	1.13 ALSTORES REALTY CORP	C/O BON-TON DEPT STORES	ALSTORES REALTY CORP	C/O BON-TON DEPT STORES	2801 EAST MARKET STREET		YORK	PA	17405	3555 GETTYSBURG Road	2652390-0		
13-25-0024-001	34,925	11	4937 GETTYSBURG ROAD		Commercial	319	5.82 RUBY PARTNERS LP		RUBY PARTNERS LP		10907 VALLEY FORGE CIRCLE		KING OF PRUSSIA	PA	19406	N/A	N/A		
13-10-0256-017A	32,270	10	1413 ARCONA ROAD		Commercial	466	3.64 HILL, GEORGE R & BARBARA R JR	REVOCABLE LIVING TRUST CO-TRS	HILL, GEORGE R & BARBARA R JR	REVOCABLE LIVING TRUST CO-TRS	136 BLACKSMITH ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-10-0258-018	30,474	10	1515 SLATE HILL ROAD		Commercial	112	20.56 CAPELLO, JOHN A & JEAN A		CAPELLO, JOHN A & JEAN A		1515 SLATE HILL ROAD		CAMP HILL	PA	17011	1515 SLATE HILL Road	1094180-0		
13-23-0547-286EX	32,140	10	1610 CARLISLE ROAD		Commercial	620	0.96 GRACE EVANGELICAL LUTHERAN	CHURCH	GRACE EVANGELICAL LUTHERAN	CHURCH	1610 CARLISLE ROAD		CAMP HILL	PA	17011	1610 CARLISLE Road	1110040-0		
13-23-0549-235	32,009	10	2121 CEDAR RUN DRIVE	& 2141 CEDAR RUN DRIVE	Commercial	211	1.31 CROSSROADS HOUSING LP		CROSSROADS HOUSING LP		2141 CEDAR RUN DRIVE		CAMP HILL	PA	17011	2121 CEDAR RUN Drive	1104100-0		
13-23-0551-112	30,890	10	2501 GETTYSBURG ROAD		Commercial	373	0.95 FARROW HOLDINGS LLC		FARROW HOLDINGS LLC		2501 GETTYSBURG ROAD		CAMP HILL	PA	17011	2501 GETTYSBURG Road	2641980-0		
13-23-0553-025	30,759	10	3804 GETTYSBURG ROAD		Commercial	373	0.9 CJPST LIMITED PARTNERSHIP		CJPST LIMITED PARTNERSHIP		4349 CARLISLE PIKE	SUITE 105	CAMP HILL	PA	17011	3804 GETTYSBURG Road	2652570-0		
13-24-0799-172	29,644	10	1120 SAINT JOHNS ROAD		Commercial	332	0.58 FARRELL, MATTHEW F		FARRELL, MATTHEW F		1130 SAINT JOHNS ROAD		CAMP HILL	PA	17011	1120 SAINT JOHNS Road	2653840-0		
13-24-0799-194	29,641	10	1131 PRIMROSE AVENUE		Commercial	303	0.98 1131 PRIMROSE LLC		1131 PRIMROSE LLC		1131 PRIMROSE AVENUE		CAMP HILL	PA	17011	1131 PRIMROSE Avenue	2653810-0		
13-24-0795-171	31,426	10	940 CENTURY DRIVE	& WOODLAND STREET	Commercial	353	0.92 DEMUTH & KAUFMAN REAL ESTATE		DEMUTH & KAUFMAN REAL ESTATE		940 CENTURY DRIVE		MECHANICSBURG	PA	17055	940 CENTURY Drive	2854140-0		
13-25-0022-002	31,389	10	4709 GETTYSBURG ROAD		Commercial	327	1.52 G & L CASTLE PROPERTIES LLC		G & L CASTLE PROPERTIES LLC	C/O MOE'S BAR & GRILL	4709 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	4709 GETTYSBURG Road	1080280-0		
13-28-2430-012	32,109	10	1400 BRANDTON ROAD		Commercial	112	16.13 HARRISON, C SCOTT & SARAH L		HARRISON, C SCOTT & SARAH L		1400 BRANDTON ROAD		MECHANICSBURG	PA	17055	1400 BRANDTON Road	1090660-0		
13-22-0536-057	31,178	10	1850 STATE ROAD		Commercial	397	1.46 GRACE, WILLIAM R		GRACE, WILLIAM R			PO BOX 301	NEW CUMBERLAND	PA	17070	N/A	N/A		
13-27-1879-035	31,967	10	LISBURN ROAD		Commercial	112	13.84 HERMAN, KERRIE A & STEVEN M		HERMAN, KERRIE A & STEVEN M		602 OLD YORK ROAD		ETTERS	PA	17319	N/A	N/A		
13-09-0545-005	29,975	10	404 BETHANY DRIVE	& 406 BETHANY DR & 311-314 ASBURY	Commercial	317	1.8 ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	404 BETHANY Drive	1130930-0		
13-23-0559-085	30,236	10	5034 HANN WAY		Commercial	373	1.1 DOLGENCORP INC	C/O PROP TAX ACCTG DG #1449	DOLGENCORP INC	C/O PROP TAX ACCTG DG #1449	100 MISSION ROAD		GOODLETTSVILLE	TN	37072	N/A	N/A		
13-22-0536-006	26,782	9	2005 HUMMEL AVENUE		Commercial	303	0.6 KUHN, ROBERT C & KATHLEEN R	C/O TSR, INC	KUHN, ROBERT C & KATHLEEN R	C/O TSR, INC	2005 HUMMEL AVENUE		CAMP HILL	PA	17011	2005 HUMMEL Avenue	2600870-0		
13-22-0536-008	28,312	9	1989 HUMMEL AVENUE		Commercial	373	0.68 LEGGETT, ERNEST W		LEGGETT, ERNEST W		1989 HUMMEL AVENUE		CAMP HILL	PA	17011	1989 HUMMEL Avenue	2600850-0		
13-23-0549-020B	27,814	9	2205 GETTYSBURG ROAD		Commercial	348	0.74 GPS MART LLC	C/O JAGTAR SINGH	GPS MART LLC	C/O JAGTAR SINGH	2205 GETTYSBURG ROAD		CAMP HILL	PA	17011	2205 GETTYSBURG Road	2611010-0		
13-23-0549-135	28,755	9	2139 ORCHARD ROAD		Commercial	109	5.9 BROSIUS, DELROY D & CAROL A		BROSIUS, DELROY D & CAROL A		2137 ORCHARD ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-23-0549-138	29,336	9	2101 ORCHARD ROAD		Commercial	353	1.96 HARTMAN, DANIEL J		HARTMAN, DANIEL J		2101 ORCHARD ROAD		CAMP HILL	PA	17011	2101 ORCHARD Road	2610980-0		
13-24-0797-217	27,383	9	1112 SLATE HILL ROAD		Commercial	333	1.78 JACKSON, ROBERT E & LISA G		JACKSON, ROBERT E & LISA G		1112 SLATE HILL ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-23-0561-081	26,666	9	5288 SIMPSON FERRY ROAD		Commercial	351	1.12 JL REAL ESTATE PARTNERS LP		JL REAL ESTATE PARTNERS LP		2019 MOUNTAIN PINE DRIVE		MECHANICSBURG	PA	17050	5288 SIMPSON FERRY Road	2854300-0		
13-23-0553-028	27,680	9	823 SAINT JOHNS ROAD		Commercial	397	0.72 DSB ENTERPRISES LLC		DSB ENTERPRISES LLC		1858 HUNTER DRIVE		MECHANICSBURG	PA	17055	823 SAINT JOHNS Road	2763580-0		
13-24-0795-003	29,523	9	4712 GETTYSBURG ROAD		Commercial	339	1.03 OLD GETTYSBURG ASSOCIATES IV LP	SELECT CAPITAL CORP	OLD GETTYSBURG ASSOCIATES IV LP	SELECT CAPITAL CORP	4732 GETTYSBURG ROAD	SUITE 302	MECHANICSBURG	PA	17055	4712 GETTYSBURG Road	2150280-0		
13-24-0795-175	27,636	9	890 CENTURY DRIVE		Commercial	349	2.78 KILMORE, HOLLANNE B TR	HOLLYANNE B &	KILMORE, HOLLANNE B TR	HOLLYANNE B &	V EUGENE KILMORE JR	890 CENTURY DRIVE	MECHANICSBURG	PA	17055	890 CENTURY Drive	2854160-0		
13-24-0795-180	26,682	9	1014 WESLEY DRIVE		Commercial	324	1.57 MCDONALD'S CORPORATION	C/O RICHARD WOODRUFF II	MCDONALD'S CORPORATION	C/O RICHARD WOODRUFF II	1014 WESLEY DRIVE		MECHANICSBURG	PA	17055	1014 WESLEY Drive	2874560-0		
13-24-0809-057	28,511	9	1510 CEDAR CLIFF DRIVE		Commercial	351	1.98 P HASTINGS LLC	C/O RYAN	P HASTINGS LLC	C/O RYAN	1631 BRIDGE STREET		NEW CUMBERLAND	PA	17070	1510 CEDAR CLIFF Drive	2470610-0		
13-23-0559-086	27,888	9	5012 SIMPSON FERRY ROAD		Commercial	373	1 AUTOZONE INCORPORATED #1883	DEPT 8808	AUTOZONE INCORPORATED #1883	DEPT 8808	PO BOX 2198		MEMPHIS	TN	38101	5012 SIMPSON FERRY Road	2874401-0		
13-23-0553-066	29,567	9	3465 SIMPSON FERRY ROAD		Commercial	324	0.89 REALTY INCOME PENNSYLVANIA	PROPERTIES TRUST	REALTY INCOME PENNSYLVANIA	PROPERTIES TRUST	NPC QUALITY BURGERS INC-C/O IN TAX	PO BOX 54650	LEXINGTON	KY	40555	3465 SIMPSON FERRY Road	2652220-0		
13-23-0551-001	25,894	8	910 LINDA LANE		Commercial	353	1.01 PENNSYLVANIA MOTOR TRUCK	ASSOCIATION	PENNSYLVANIA MOTOR TRUCK	ASSOCIATION	910 LINDA LANE		CAMP HILL	PA	17011	910 LINDA LANE	2653610-0		
13-23-0551-003B	25,721	8	3420 RR SIMPSON FERRY ROAD		Commercial	300	1.5 K S INDUSTRIES INCORPORATED	C/O ASF-KEYSTONE INC	K S INDUSTRIES INCORPORATED	C/O ASF-KEYSTONE INC	3420 SIMPSON FERRY ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-23-0551-006	24,180	8	SIMPSON FERRY ROAD		Commercial	300	1.27 K S INDUSTRIES INCORPORATED	C/O ASF-KEYSTONE INC	K S INDUSTRIES INCORPORATED	C/O ASF-KEYSTONE INC	3420 SIMPSON FERRY ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-23-0551-101	26,399	8	2925 GETTYSBURG ROAD	LINDEN GARDENS	Commercial	353	0.95 MILLER & MILLER INC		MILLER & MILLER INC		2929 GETTYSBURG ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-24-0799-102	25,272	8	1013 SAINT JOHNS ROAD		Commercial	105	1.03 KINDT, BARRY	& CRAIG DRABENSTADT	KINDT, BARRY	& CRAIG DRABENSTADT	1111 PRIMROSE AVENUE		CAMP HILL	PA	17011	1013 SAINT JOHNS Road	1053220-0		
13-25-0020-035BEX	24,238	8	1215 SLATE HILL ROAD		Commercial	604	0.5 CHRIST COMMUNITY CHURCH OF	CAMP HILL	CHRIST COMMUNITY CHURCH OF	CAMP HILL	1201 SLATE HILL ROAD		CAMP HILL	PA	17011	1215 SLATE HILL Road	2793680-0		
13-24-0799-177A	24,343	8	3609 HARTZDALE DRIVE		Commercial	332	0.9 HAMMOND, STEPHEN F & CARLA S		HAMMOND, STEPHEN F & CARLA S		314 WESTVIEW DRIVE		ELIZABETHTOWN	PA	17022	3609 HARTZDALE Drive	2653500-0		
13-23-0559-089	23,388	8	5026 ARTHUR AVENUE		Commercial	353	0.93 ETTER INVESTMENTS LLC		ETTER INVESTMENTS LLC		4 NOTTING HILL ESTATES LANE		ENOLA	PA	17025	5026 ARTHUR AVENUE	2874730-0		
13-23-0551-117	24,578	8	3015 GETTYSBURG ROAD		Commercial	370	0.95 ROYER, CINDY M		ROYER, CINDY M		113 ARLINE LANE		HUMMELSTOWN	PA	17036	3015 GETTYSBURG Road	2641960-0		
13-23-0559-081	25,192	8	5028 SIMPSON FERRY ROAD	SR 2014	Commercial	303	1 PLK REAL ESTATE LLC		PLK REAL ESTATE LLC		PO BOX 450		LEMOYNE	PA	17043	5028 SIMPSON FERRY Road	2874402-0		
13-10-0256-036	23,541	8	1205 MANOR DRIVE		Commercial	353	1.15 M & G ASSOCIATES	C/O DREW MURPHY	M & G ASSOCIATES	C/O DREW MURPHY	1205 MANOR DRIVE		MECHANICSBURG	PA	17055	1205 MANOR Drive	2804000-0		
13-23-0549-136A	26,020	8	704 LISBURN ROAD		Commercial	353	1.13 SUNMARK PROPERTIES LLC	ATTN MARK WILSON	SUNMARK PROPERTIES LLC	ATTN MARK WILSON	PO BOX 227		MECHANICSBURG	PA	17055	704 LISBURN Road	2600940-0		
13-25-0022-001	23,602	8	4705 GETTYSBURG ROAD		Commercial	303	2.42 REISMAN, DAVID L & ANITA D		REISMAN, DAVID L & ANITA D		4705 GETTYSBURG ROAD

13-24-0807-192	16,079	5	CEDAR CLIFF DRIVE		Commercial	303	20.12	CLIFFS COMMUNITY ASSOCIATION	C/O WAYNE E GRAHAM	CLIFFS COMMUNITY ASSOCIATION	C/O WAYNE E GRAHAM	1721 EDGAR LANE		CAMP HILL	PA	17011	CEDAR CLIFF Drive	2470630-0		
13-25-0020-035EX	15,691	5	1213 SLATE HILL ROAD		Commercial	620	0.77	CHRIST COMMUNITY CHURCH	OF CAMP HILL	CHRIST COMMUNITY CHURCH	OF CAMP HILL	1201 SLATE HILL ROAD		CAMP HILL	PA	17011	1213 SLATE HILL Road	2793730-0		
13-24-0801-008	16,150	5	3515 HARTZDALE DRIVE		Commercial	112	11.13	ZIMMERMAN, ELSIE W	ESTATE TRUST	ZIMMERMAN, ELSIE W	ESTATE TRUST	5 CHANNEL DRIVE		CARLISLE	PA	17013	3515 HARTZDALE Drive	1070670-0		
13-22-0536-010B	16,798	5	1825 HUMMEL AVENUE		Commercial	353	0.69	F & L FITTING COMPANY	C/O CORAL BAY LIMITED LLC	F & L FITTING COMPANY	C/O CORAL BAY LIMITED LLC	ATTN - GALEN R BREWBAKER	6 ENCK CIRCLE	ENOLA	PA	17025	N/A	N/A		
13-23-0553-012	14,025	5	3560 GETTYSBURG ROAD		Commercial	353	0.34	BAUMGARDNER, THOMAS	C/O JANUS REAL ESTATE ASSOC	BAUMGARDNER, THOMAS	C/O JANUS REAL ESTATE ASSOC	2520 DEWEY LANE		ENOLA	PA	17025	3560 GETTYSBURG Road	2652270-0		
13-23-0553-038	16,602	5	3900 GETTYSBURG ROAD		Commercial	339	0.41	BARRY, DOUGLAS J & DEBORAH E		BARRY, DOUGLAS J & DEBORAH E		840 KIEHL DRIVE		LEMOYNE	PA	17043	N/A	N/A		
13-23-0553-046	15,046	5	3608 ROSEMONT AVENUE	& 3611 GETTYSBURG PIKE	Commercial	339	0.51	KOLLAS, WILLIAM C & DIANNE L		KOLLAS, WILLIAM C & DIANNE L		850 KIEHL DRIVE		LEMOYNE	PA	17043	N/A	N/A		
13-23-0553-060	15,772	5	3599 GETTYSBURG ROAD		Commercial	351	0.88	KOLLAS, WILLIAM C & DIANNE L		KOLLAS, WILLIAM C & DIANNE L		850 KIEHL DRIVE		LEMOYNE	PA	17043	3599 GETTYSBURG Road	2653630-0		
13-10-0258-046A	16,715	5	1860 SHEEPFORD ROAD		Commercial	112	25.82	WYANT, WILLIAM H & KIMBERLY R		WYANT, WILLIAM H & KIMBERLY R		1860 SHEEPFORD ROAD		MECHANICSBURG	PA	17055	1860 SHEEPFORD Road	1094120-0		
13-23-0549-073	14,674	5	2415 GETTYSBURG ROAD		Commercial	353	0.5	2415 OLD GETTYSBURG ROAD LLC		2415 OLD GETTYSBURG ROAD LLC		613 SOUTHRIDGE DRIVE		MECHANICSBURG	PA	17055	2415 GETTYSBURG Road	2641880-0		
13-23-0559-007	15,895	5	5200 SIMPSON FERRY ROAD		Commercial	331	0.67	COONS, MICHAEL L & DIANE L		COONS, MICHAEL L & DIANE L		1772 NORTH MEADOW DRIVE		MECHANICSBURG	PA	17055	5200 SIMPSON FERRY Road	2874420-0		
13-24-0795-174	16,322	5	878 CENTURY DRIVE		Commercial	353	1.26	PENNSYLVANIA ASSOCIATION OF	SCHOOL RETIREES	PENNSYLVANIA ASSOCIATION OF	SCHOOL RETIREES	878 CENTURY DRIVE		MECHANICSBURG	PA	17055	878 CENTURY Drive	2854180-0		
13-24-0797-007	17,107	5	4500 GETTYSBURG ROAD		Commercial	373	0.87	JMS PROPERTY LLC		JMS PROPERTY LLC		4500 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	4500 GETTYSBURG Road	2824060-0		
13-26-0251-026	16,851	5	2901 LISBURN ROAD		Commercial	112	13.17	HUGHES, NICHOLAS D & ELLEN B		HUGHES, NICHOLAS D & ELLEN B		2901 LISBURN ROAD		MECHANICSBURG	PA	17055	2901 LISBURN Road	1073620-0		
13-31-2134-001	14,544	5	1601 MAIN STREET		Commercial	332	0.39	WILT, STEVEN L & PAUL A		WILT, STEVEN L & PAUL A		1601 MAIN STREET		MECHANICSBURG	PA	17055	N/A	N/A		
13-31-2134-026	14,029	5	LISBURN ROAD		Commercial	109	8.15	WEST SHORE SOCCER CLUB	INCORPORATED	WEST SHORE SOCCER CLUB	INCORPORATED		PO BOX 243	LEWISBERRY	PA	17339	N/A	N/A		
13-23-0545-345	14,421	5	1108 CARLISLE ROAD		Commercial	353	0.46	CEDAR CLIFF LP		CEDAR CLIFF LP		2555 KINGSTON ROAD	SUITE 180	YORK	PA	17402	N/A	N/A		
13-10-0256-097	15,885	5	MOLLYS RUN		Commercial	320	0.5	CHARTER HOMES AT HIGHPOINT INC		CHARTER HOMES AT HIGHPOINT INC		1190 DILLERVILLE ROAD		LANCASTER	PA	17601	N/A	N/A		
13-10-0256-015C	14,401	5	4925 RITTER ROAD	MARZONI'S RESTAURANT	Commercial	321	2.31	4925 RITTER ROAD MECHANICSBURG 1 LP		4925 RITTER ROAD MECHANICSBURG 1 LP		356 LAURENS ROAD		MONTOURSVILLE	PA	17754	4925 RITTER ROAD	2804050-0		
13-23-0545-343D2	11,201	4	1116 CARLISLE ROAD		Commercial	373	0	WEC 2000B-CSF-20 LLC	C/O CVS PHARMACY INC #1630-02	WEC 2000B-CSF-20 LLC	C/O CVS PHARMACY INC #1630-02	STORE ACCOUNTING DEPT	1 CVS DRIVE	WOONSOCKET	RI	02895	1116 CARLISLE ROAD	2470365-0		
13-24-0797-195	13,128	4	4501 GETTYSBURG ROAD		Commercial	105	0.76	KILGORE, JAMES B	JAMES B KILMORE LIVING TRUST	KILGORE, JAMES B	JAMES B KILMORE LIVING TRUST	6600 STATE ROUTE 90 NORTH		CAYUGA	NY	13034	4501 GETTYSBURG Road	1084880-0		
13-22-0826-003	11,479	4	1500 HUMMEL AVENUE		Commercial	398	0.4	KENNEDY CLIONSKY & KING		KENNEDY CLIONSKY & KING		1500 HUMMEL AVENUE		CAMP HILL	PA	17011	N/A	N/A		
13-23-0545-052	12,234	4	1150 LOWTHER ROAD		Commercial	321	0.56	PAPOUTSIS, BASIL & ELENA		PAPOUTSIS, BASIL & ELENA		317 EQUUS DRIVE		CAMP HILL	PA	17011	1150 LOWTHER Road	2450340-0		
13-23-0545-417	11,358	4	25 WEST SHORE DRIVE		Commercial	349	0.43	TWENTY-FIVE WEST SHORE DRIVE	ASSOCIATES	TWENTY-FIVE WEST SHORE DRIVE	ASSOCIATES	25 WEST SHORE DRIVE		CAMP HILL	PA	17011	25 WEST SHORE Drive	2010030-0		
13-23-0547-034	13,773	4	429 S 18TH STREET		Commercial	353	0.42	SAMKAY REALTY LLC		SAMKAY REALTY LLC		429 SOUTH 18TH STREET		CAMP HILL	PA	17011	429 S 18TH STREET	2500740-0		
13-23-0547-300	12,469	4	1 COMMERCIAL DRIVE		Commercial	373	0.38	PINCIN, STEVEN K & KARI ANN		PINCIN, STEVEN K & KARI ANN		9 CEDAR CLIFF DRIVE		CAMP HILL	PA	17011	1 COMMERCIAL Drive	2480670-0		
13-23-0549-094	11,719	4	2405 GETTYSBURG ROAD		Commercial	397	0.41	ADELMANN, ALFRED & MARGIE		ADELMANN, ALFRED & MARGIE		387 FUTURITY DRIVE		CAMP HILL	PA	17011	2405 GETTYSBURG Road	2641830-0		
13-23-0549-137	12,469	4	700 LISBURN ROAD		Commercial	202	0.73	STRAUB, TIMOTHY F		STRAUB, TIMOTHY F		2602 MARKET STREET		CAMP HILL	PA	17011	700 LISBURN Road	1100230-0		
13-23-0551-028	12,713	4	3130 MORNINGSIDE DRIVE		Commercial	353	0.9	LETORT GROUP LLC		LETORT GROUP LLC		3130 MORNINGSIDE DRIVE		CAMP HILL	PA	17011	3130 MORNINGSIDE Drive	2642080-0		
13-23-0551-033	12,880	4	3100 GETTYSBURG ROAD		Commercial	353	0.61	PIVONKA, JAMES D & JILL A		PIVONKA, JAMES D & JILL A		1 COUNTRY PLACE EAST		CAMP HILL	PA	17011	3100 GETTYSBURG Road	2641970-0		
13-23-0553-010	12,191	4	3600 GETTYSBURG ROAD		Commercial	349	0.52	BEAUDRY, ROBERT J JR		BEAUDRY, ROBERT J JR		3600 GETTYSBURG ROAD		CAMP HILL	PA	17011	3600 GETTYSBURG Road	2652250-0		
13-24-0797-215	12,892	4	1121 SLATE HILL ROAD	& 1125 SLATE HILL ROAD	Commercial	332	0.91	BROWAND, JAMES L & NOEMIE A		BROWAND, JAMES L & NOEMIE A		1121 SLATE HILL ROAD		CAMP HILL	PA	17011	1121 SLATE HILL Road	1092990-0		
13-24-0799-047	13,261	4	3 S 40TH STREET		Commercial	353	0.72	LANE, RICHARD A LIV TR		LANE, RICHARD A LIV TR		3 SOUTH 40TH STREET	REAL ESTATE OFFICE	CAMP HILL	PA	17011	3 S 40TH Street	2010040-0		
13-24-0805-079	12,501	4	141 CREEK ROAD		Commercial	332	0.33	AUTO BODY PROS INCORPORATED		AUTO BODY PROS INCORPORATED		141 CREEK ROAD		CAMP HILL	PA	17011	141 CREEK Road	2480680-0		
13-24-0807-236	12,582	4	1525 CEDAR CLIFF DRIVE		Commercial	353	0.73	SAINT PAUL GROUP		SAINT PAUL GROUP		1525 CEDAR CLIFF DRIVE		CAMP HILL	PA	17011	1525 CEDAR CLIFF Drive	2470600-0		
13-23-0545-424	11,038	4	1101 CARLISLE ROAD		Commercial	332	0.39	UBER, RICHARD BRIAN &	LYNDA SUSAN UBER	UBER, RICHARD BRIAN &	LYNDA SUSAN UBER	2 MELISSA COURT		CARLISLE	PA	17015	1101 CARLISLE Road	2470540-0		
13-23-0551-003C	12,656	4	3300 SIMPSON FERRY ROAD		Commercial	373	0.3	ERBY, DAVID B & MARGUERITE T		ERBY, DAVID B & MARGUERITE T		4 OAK RIDGE ROAD		CARLISLE	PA	17015	3300 SIMPSON FERRY Road	2652460-0		
13-23-0553-002	13,277	4	3625 SIMPSON FERRY ROAD		Commercial	348	0.52	KEOUGH, KATHLEEN B		KEOUGH, KATHLEEN B		306 HUNTER PATH ROAD		HUMMELSTOWN	PA	17036	3625 SIMPSON FERRY Road	2773630-0		
13-24-0799-227	11,074	4	1128 LAUREL AVENUE		Commercial	303	0.5	JACOBS, RAY E & DEBRA A		JACOBS, RAY E & DEBRA A		3 WHEATLAND DRIVE		MECHANICSBURG	PA	17050	1128 LAUREL Avenue	1051330-0		
13-11-0272-028	11,864	4	LISBURN ROAD		Commercial	109	3.51	JACKSON FAMILY FOUNDATION		JACKSON FAMILY FOUNDATION		1460 RAVEN HILL ROAD		MECHANICSBURG	PA	17055	N/A	N/A		
13-23-0547-033	10,971	4	1800 KENT DRIVE		Commercial	351	0.33	AMERICHOICE FEDERAL CR UN		AMERICHOICE FEDERAL CR UN			PO BOX 1429	MECHANICSBURG	PA	17055	N/A	N/A		
13-24-0795-150C	10,968	4	700 RUPP AVENUE	& LINDEN AVENUE	Commercial	211	1.43	CULBERTSON, MATTHEW D &	SCOTT R EPPLEY	CULBERTSON, MATTHEW D &	SCOTT R EPPLEY	T/D/B/A NORTHSTAR PROPERTIES	PO BOX 395	MECHANICSBURG	PA	17055	700 RUPP Avenue	1100520-0		
13-24-0799-179	11,624	4	3803 CEDAR AVENUE		Commercial	353	0.97	MARCH, JOHN C & NANCY J		MARCH, JOHN C & NANCY J		2739 ARCONA ROAD		MECHANICSBURG	PA	17055	3803 CEDAR Avenue	1050100-0		
13-26-0249-014	11,713	4	LISBURN ROAD	SR 2017	Commercial	214	1.19	ORT, JAMES & BETTY L JR TR		ORT, JAMES & BETTY L JR TR		2961 LISBURN ROAD		MECHANICSBURG	PA	17055	N/A	N/A		
13-31-2136-017	11,120	4	1556 MAIN STREET		Commercial	202	1.3	BUCHANAN, MICHAEL D & KATHLEEN L		BUCHANAN, MICHAEL D & KATHLEEN L		1609 CRESSMAN CIRCLE		MECHANICSBURG	PA	17055	N/A	N/A		
13-23-0553-003	13,702	4	3635 SIMPSON FERRY ROAD		Commercial	348	0.57	HET ENTERPRISES LLC		HET ENTERPRISES LLC		1631 BRIDGE STREET		NEW CUMBERLAND	PA	17070	3635 SIMPSON FERRY Road	2773620-0		
13-24-0807-234	11,428	4	1524 CEDAR CLIFF DRIVE		Commercial	349	0.68	1524 CEDAR CLIFF DRIVE	LIMITED PARTNERSHIP	1524 CEDAR CLIFF DRIVE	LIMITED PARTNERSHIP	92 TUSCARORA STREET		HARRISBURG	PA	17104	1524 CEDAR CLIFF Drive	2470620-0		
13-22-0536-028	12,247	4	1714 HUMMEL AVENUE		Commercial	373	0.15	CASSEL, EARL S & NANCY J		CASSEL, EARL S & NANCY J		9 GARDEN CIRCLE		HARRISBURG	PA	17109	1714 HUMMEL Avenue	2600910-0		
13-22-0536-038	12,052	4	22 HUMMEL AVENUE	& 26 HUMMEL AVENUE	Commercial	303	0.38	PEFFLEY, DAVID A & STEPHANIE J		PEFFLEY, DAVID A & STEPHANIE J		2350 NORTH SEVENTH STREET		HARRISBURG	PA	17110	22 HUMMEL Avenue	1034160-0		
13-23-0545-426A	12,472	4	1055 CARLISLE ROAD	& CEDAR CLIFF DRIVE	Commercial	321	0.26	BOWERS, HARRY L & JOY A		BOWERS, HARRY L & JOY A		20 WEDGE CIRCLE		ETTERS	PA	17319	1055 CARLISLE Road	2470550-0		
13-23-0549-133	12,256	4	2117 ORCHARD ROAD		Commercial	398	0.5	MELVIN, LAWRENCE J & KAREN E JR		MELVIN, LAWRENCE J & KAREN E JR		3225 GRANVIEW DRIVE		YORK HAVEN	PA	17370	2117 ORCHARD Road	2610990-0		
13-23-0553-043	13,347	4	1007 RANA VILLA AVENUE		Commercial	369	0.63	MAERZ, MARTIN		MAERZ, MARTIN		191 CONESTOGA BLVD		LANCASTER	PA	17602	1007 RANA VILLA Avenue	2653530-0		
13-09-0545-011A	10,893	3	850 WESLEY DRIVE		Commercial	353	2.49	PENNSYLVANIA AMERICAN WATER COMPANY		PENNSYLVANIA AMERICAN WATER COMPANY		PO BOX 5627		CHERRY HILL	NJ	08034	N/A	N/A		
13-22-0826-001	10,498	3	1650 HUMMEL AVENUE		Commercial	396	0.27	LAUGHNER, ROBERT J		LAUGHNER, ROBERT J		PO BOX 73		CAMP HILL	PA	17001	N/A	N/A		
13-22-0536-025	10,160	3	1700 HUMMEL AVENUE	& 1708 HUMMEL AVENUE	Commercial	319	0.23	MOLESEVICH, MARK P		MOLESEVICH, MARK P		1700 HUMMEL AVENUE		CAMP HILL	PA	17011	1700 HUMMEL Avenue	2600930-0		
13-23-0545-257	10,601	3	1415 LOWTHER ROAD		Commercial	333	0.24	NETTLES, ROBERT EARL		NETTLES, ROBERT EARL		1415 LOWTHER ROAD		CAMP HILL	PA	17011	1415 LOWTHER Road	2450350-0		
13-23-0545-423	10,419	3	1509 CEDAR CLIFF DRIVE		Commercial	353	0.53	MINIUM, FREDERICK M &	AILEEN M	MINIUM, FREDERICK M &	AILEEN M	1509 CEDAR CLIFF DRIVE		CAMP HILL	PA	17011	1509 CEDAR CLIFF Drive	2470560-0		
13-23-0547-291EX	9,645	3	1524 CARLISLE ROAD		Commercial	320	0.3	GRACE EVANGELICAL LUTHERAN	CHURCH	GRACE EVANGELICAL LUTHERAN	CHURCH	1610 CARLISLE ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-23-0547-301	8,798	3	5 COMMERCIAL DRIVE		Commercial	201	0.32	BENDRICK ASSOCIATES		BENDRICK ASSOCIATES		2 ABBEY LANE		CAMP HILL	PA	17011	5 COMMERCIAL Drive	1100480-0		
13-23-0551-100EX	10,269	3	2515 GETTYSBURG ROAD		Commercial	604	0.26	CAPITAL AREA PREGNANCY CENTERS	INC	CAPITAL AREA PREGNANCY CENTERS	INC	2515 GETTYSBURG ROAD		CAMP HILL	PA	17011	2515 GETTYSBURG Road	1100460-0		
13-23-0551-114	7,918	3	2507 GETTYSBURG ROAD		Commercial	353	0.5	NIEDWICK, MARK A & JULIE M		NIEDWICK, MARK A & JULIE M		2507 GETTYSBURG ROAD		CAMP HILL	PA	17011	2507 GETTYSBURG Road	2641900-0		
13-23-0553-004	8,843	3	605 SAINT JOHNS ROAD		Commercial	349	0.25	KRAUSE UGLY DUCK LLC	& JOHN R POPPLEWELL	KRAUSE UGLY DUCK LLC	& JOHN R POPPLEWELL	605 SAINT JOHNS ROAD		CAMP HILL	PA	17011	605 SAINT JOHNS ROAD	2803780-0		
13-23-0553-053	10,715	3	3605 GETTYSBURG ROAD		Commercial	303	0.34	WIENER, LOU ANN	& MARGARET R SCHRANTZ	WIENER, LOU ANN	& MARGARET R SCHRANTZ	3605 OLD GETTYSBURG ROAD		CAMP HILL	PA	17011	3605 GETTYSBURG Road	2653640-0		
13-23-0555-073	8,146	3	141 S LOCUST STREET		Commercial	202	0.47	MBW INVESTMENTS LLC		MBW INVESTMENTS LLC		9 SARATOGA PLACE		CAMP HILL	PA	17011	141 S LOCUST Street	1100670-0		
13-24-0797-199	9,055	3	4195 GETTYSBURG ROAD		Commercial	333	0.28	KEYSTONE OIL PRODUCTS	CORPORATION	KEYSTONE OIL PRODUCTS	CORPORATION	1600 HUMMEL AVENUE		CAMP HILL	PA	17011	4195 GETTYSBURG Road	2763600-0		
13-24-0799-030	8,748	3	4103 GETTYSBURG ROAD		Commercial	211	1.53	FREY REAL ESTATE GROUP LLC		FREY REAL ESTATE GROUP LLC		332 EQUUS DRIVE		CAMP HILL	PA	17011	4103 GETTYSBURG Road	1100330-0		
13-24-0799-030A	9,058	3	4105 GETTYSBURG ROAD		Commercial	105	0.48	RINGWOOD, ANTHONY G		RINGWOOD, ANTHONY G		4105 GETTYSBURG ROAD		CAMP HILL	PA	17011	4105 GETTYSBURG Road	1050750-0		
13-24-0799-066	9,351	3	1004 RANA VILLA AVENUE		Commercial	353	0.34	KNACKSTEDT, GREG A		KNACKSTEDT, GREG A		1004 RANA VILLA AVENUE		CAMP HILL	PA	17011	1004 RANA VILLA Avenue	2653520-0		
13-24-0799-068	9,485	3	3803 GETTYSBURG ROAD		Commercial	353	0.34	DONG, MIN		DONG, MIN		149 SOUTH 32ND STREET		CAMP HILL	PA	17011	3803 GETTYSBURG Road	1050910-0		
13-24-0805-020	10,836	3	244 CREEK ROAD		Commercial	202	1.42	MILLER, ANTHONY A		MILLER, ANTHONY A		307 GLENDALE DRIVE		SHIREMANSTOWN	PA	17011	244 CREEK Road	1100110-0		
13-23-0551-115A	8,173	3	2509 GETTYSBURG ROAD		Commercial	353	0.31	BALKOVIC, JAMES & LINDA T		LISK, MICHELLE R & JAMES W		813 BUENA ROAD		CARLISLE	PA	17013	2509 GETTYSBURG Road	2641910-0		Owner Name Does Not Match
13-23-0553-056	9,022	3	3617 GETTYSBURG ROAD		Commercial	303	0.32	WELKER, THOMAS A & VANESSA J		WELKER, THOMAS A & VANESSA J		799 VALLEY STREET		ENOLA	PA	17025	3617 GETTYSBURG Road	2652510-0		
13-23-0553-031	9,944	3	3816 GETTYSBURG ROAD		Commercial	303	0.41	OPALISKY, MICHAEL J		OPALISKY, MICHAEL J		4121 WILLOW BEND ROAD		MECHANICSBURG	PA	17055	3816 GETTYSBURG Road	2652550-0		
13-23-0553-037	9,269	3	3904 OLD GETTYSBURG ROAD		Commercial	321	0.34	COOLEY, ROGER L	& JANE E KRAUSE	COOLEY, ROGER L	& JANE E KRAUSE	410 BERKSHIRE ROAD		MECHANICSBURG	PA	17055	N/A	N/A		
13-24-0797-009	8,213	3	910 RUPP AVENUE		Commercial	111	0.26	RUMBERGER, JOHN W & RENEE M		RUMBERGER, JOHN W & RENEE M		20 SOUTH LEWISBERRY ROAD		MECHANICSBURG	PA	17055	910 RUPP Avenue	1103690-0		
13-24-0799-094	7,809	3	3801 ROSEMONT AVENUE		Commercial	398	0.27	EJLM ASSOCIATES LLC		EJLM ASSOCIATES LLC		PO BOX 1553		MECHANICSBURG	PA	17055	3801 ROSEMONT Avenue	1054850-0		
13-27-1877-001	8,634	3	1724 SHEEPFORD ROAD		Commercial	112	16.68	SIMON, MARY F		SIMON, MARY F		1724 SHEEPFORD ROAD		MECHANICSBURG	PA	17055	1724 SHEEPFORD Road	1092070-0		
13-27-1877-024	10,038	3	1812 SHEEPFORD ROAD		Commercial	112	14.59	SHEPPARD, JAMES P & SUSAN K		SHEPPARD, JAMES P & SUSAN K		1812 SHEEPFORD ROAD		MECHANICSBURG	PA	17055	1812 SHEEPFORD Road	1092380-0		
13-22-0536-010	10,146	3	1817 HUMMEL AVENUE		Commercial	332	0.67	JONES, ROBERT C & LINDA K		JONES, ROBERT C & LINDA K		775 PARADISE ROAD		NEW BLOOMFIELD	PA	17068	1817 HUMMEL Avenue	2600820-0		
13-24-0799-073	8,322	3	1101 RANA VILLA AVENUE	& 3713 ROSEMONT AVENUE	Commercial	105	0.74	GRANDON, RAYMOND	C/O GRAND TREE FARMS INC	GRANDON, RAYMOND	C/O GRAND TREE FARMS INC	91 POPLAR AVENUE		NEW CUMBERLAND	PA	17070	1101 RANA VILLA Avenue	1052230-0		
13-22-0536-027	9,280	3	1712 HUMMEL AVENUE		Commercial	321	0.19	SHAFFER, MICHAEL W		SHAFFER, MICHAEL W		529 PLEASANT VIEW ROAD		LEWISBERRY	PA	17339	1712 HUMMEL Avenue	2600920-0		
13-23-0553-065U3	10,601	3	1101 LOWER ALLEN DRIVE	TEXAS ROADHOUSE STEAK HOUSE	Commercial	356	0	ALSTORES REALTY CORP	C/O BON-TON DEPT STORES INC	ALSTORES REALTY CORP	C/O BON-TON DEPT STORES INC	2801 EAST MARKET STREET		YORK	PA	17405	1101 LOWER ALLEN Drive	2653880-0		
13-23-0553-065U4	10,583	3	3505 GETTYSBURG ROAD	BONE FISH GRILL	Commercial	322	0	ALSTORES REALTY CORP	ATTN: ROBERT STERN	ALSTORES REALTY CORP	ATTN: ROBERT STERN	2801 EAST MARKET STREET		YORK	PA	17405	3505 GETTYSBURG ROAD	2653940-0		
13-09-0545-006BPU	10,701	3	GETTYSBURG ROAD	& LR 21099	Commercial	703	0.41	PENNSYLVANIA POWER & LIGHT	C/O PPL EU SERVICES CORPORATION	PENNSYLVANIA POWER & LIGHT	C/O PPL EU SERVICES CORPORATION	PPL-REAL ESTATE TAXES (GENN2)	2 NORTH NINTH STREET	ALLENTOWN	PA	18101	N/A	N/A		
13-31-2136-072PU	10,050	3	MCCORMICK DRIVE	& LISBURN ROAD	Commercial	700	5.61	PENNSYLVANIA POWER & LIGHT	C/O PPL EU SERVICES CORPORATION	PENNSYLVANIA POWER & LIGHT	C/O PPL EU SERVICES CORPORATION	PPL-REAL ESTATE TAXES (GENN2)	2 NORTH NINTH STREET	ALLENTOWN	PA	18101	N/A	N/A		
13-23-0549-077	8,974	3	2313 GETTYSBURG ROAD		Commercial	332	0.28	KELLER, GLEN		KELLER, GLEN		1933 STATE ROUTE 903		JIM THORPE	PA	18229	2313 GETTYSBURG Road	2611090-0		
13-09-0545-013	9,130	3	SIMPSON FERRY ROAD	& HANN ROAD	Commercial	300	28.87	ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	N/A	N/A		
13-25-0024-011	8,854	3	925 SHEELY LANE		Commercial	300	1.1	ASBURY ATLANTIC INC		ASBURY ATLANTIC INC		20030 CENTURY BOULEVARD	SUITE 300	GERMANTOWN	MD	20874	925 SHEELY LANE	1093390-0		
13-25-0024-002APU	8,124	3	GETTYSBURG ROAD		Commercial	706	0.18	LAUREL PIPE LINE CO LP		LAUREL PIPE LINE CO LP		ATTN: PROPERTY TAX DEPARTMENT	PO BOX 56169	HOUSTON	TX	77256	N/A	N/A		
13-23-0545-074	4,922	2	1180 LOWTHER ROAD		Commercial	353	0.22	1180 LOWTHER ROAD LLC		RS1962 LLC		1180 LOWTHER ROAD		CAMP HILL	PA	17011	1180 LOWTHER Road	2450300-0		Owner Name Does Not Match
13-09-0549-004	6,539	2	SPANGLERS MILL ROAD		Commercial	300	1.43	HEMPT BROTHERS INCORPORATED		HEMPT BROTHERS INCORPORATED		205 CREEK ROAD		CAMP HILL	PA	17011	N/A	N/A		
13-10-0258-028	5,227	2	1555 SLATE HILL ROAD		Commercial	112	13.68	LONERGAN, ELLEN M		LONERGAN, ELLEN M		1555 SLATE HILL ROAD		CAMP HILL	PA	17011	1555 SLATE HILL Road	1093780-0		
13-23-0545-342	4,803	2	1315 STRAFFORD ROAD	& 1140 CARLISLE ROAD	Commercial	105	0.18	WAGMAN, EDWARD M		WAGMAN, EDWARD M		1315 STRAFFORD ROAD		CAMP HILL	PA	17011	1315 STRAFFORD ROAD	1015360-0		
13-23-0547-244	7,301	2	1800 CARLISLE ROAD		Commercial	349	0.2	SNOKE, JOHN STEPHEN		SNOKE, JOHN STEPHEN		1800 CARLISLE ROAD		CAMP HILL	PA	17011	1800 CARLISLE Road	2510760-0		
13-23-0547-321	6,163	2	1776 CARLISLE ROAD	& 18TH STREET	Commercial	105	0.36	SLABE, BARBARA J		SLABE, BARBARA J		1776 CARLISLE ROAD		CAMP HILL	PA	17011	1776 CARLISLE Road	1030600-0		
13-23-0549-043	7,476	2	2112 ORCHARD ROAD		Commercial	211	0.31	SHUMAN, WILLIAM L		SHUMAN, WILLIAM L		260 CREEK ROAD		CAMP HILL	PA	17011	2112 ORCHARD Road	1101580-0		
13-23-0551-119	7,178	2	3105 GETTYSBURG ROAD		Commercial	353	0.21	O'CONNOR, G PATRICK		O'CONNOR, G PATRICK		3105 GETTYSBURG ROAD		CAMP HILL	PA	17011	3105 GETTYSBURG Road	1092940-0		
13-23-0553-011	7,530	2	3580 GETTYSBURG ROAD		Commercial	373	0.26	PISCIONERI, FRANK		PISCIONERI, FRANK		257 DEERFIELD ROAD		CAMP HILL	PA	17011	3580 GETTYSBURG Road	2652260-0		
13-23-0553-014	7,736	2	3501 SIMPSON FERRY ROAD		Commercial	373	0.32	GOODALL, ROBERT L JR	& ROBERT S GOODALL	GOODALL, ROBERT L JR	& ROBERT S GOODALL	3607 HARTZDALE DRIVE		CAMP HILL	PA	17011	3501 SIMPSON FERRY ROAD	2653890-0		
13-23-0553-017	5,292	2	3507 SIMPSON FERRY ROAD		Commercial	303	0.34	HOANG, JOSEPH N		HOANG, JOSEPH N		3507 SIMPSON FERRY ROAD		CAMP HILL	PA	17011	3507 SIMPSON FERRY Road	1085730-0		
13-23-0555-074	6,309	2	143 S LOCUST STREET		Commercial	303	0.33	GRAINGER, CONNIE STEPHENSON		GRAINGER, CONNIE STEPHENSON		209 EAST CHESTNUT STREET		SHIREMANSTOWN	PA	17011	N/A	N/A		
13-24-0795-181	5,065	2	801 UPLAND STREET	FAMILY CARE HOME	Commercial	318	0.32	CUMBERLAND PERRY HOUSING		CUMBERLAND PERRY HOUSING		55 UTLEY DRIVE		CAMP HILL	PA	17011	801 UPLAND Street	1085460-0		
13-24-0799-065	5,446	2	3804 ROSEMONT AVENUE		Commercial	105	0.34	JUSTICE, ANDREW		JUSTICE, ANDREW		3804

| | | |

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	
Lesher, Ruth C/O Strong & Detweiler Partnership	
Lesher, 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 MS - 4 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

MS-4 ANNUAL REVIEW MEETING MINUTES

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

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**
MS4 Coordinator

CC: **Daniel J. Flint, P.E., NPSE, Township Engineer/Public Works Director**
Ray Allen, Engineering Technician

DATE: **5/6/2019**

SUBJECT: MS-4 Annual Review Meeting Minutes

On May 6, 2019, Daniel Flint, Rebecca Davis & Raymond Allen met to review and revise as necessary the Lower Allen Township MS-4 Program. The program was discussed in the order of the six (6) Minimum Control Measures (MCMs) that make up the program.

MCM#1 – Public Education and Outreach

The target audience list can be updated with the data provided by the Township's consultant that performed the Stormwater Fee Study. Every parcel in the Township documented and their classification at Single Family Residential, Commercial, Non – Residential. The Township

performed significant outreach this permit cycle for MS4 and also for the Stormwater Fee. The annual public meeting to discuss MS4 was held in April of 2019. Several public meetings were held for the Stormwater Fee as well.

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. Discussion of doing a group mailing to gas stations was discussed to satisfy the requirements of this MCM. Continued outreach will occur to schools, business associations, and summer recreation programs as part of this MCM.

MCM #3 – Illicit Discharge Detection and Elimination

Priority outfalls have been identified and inspected in the fall. Additional outfall inspections are ongoing. The website has been updated with and IDD&E Reporting Mechanism. A hotline for Illicit Discharge complaints has also been discussed. A chain of custody form has been obtained from Analytical Labs in Middletown if sampling of outfalls becomes necessary during IDD&E investigations. 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 is required to map the storm sewer sheds that drain to these impaired waterways and determine sources of impairment. A letter will be sent to PADEP regarding clarification of these requirements of the PAG-13 Permit. Sampling could be performed in these areas to determine if there are pollutants in the waterways.

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.

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.

MCM#6 – Pollution Prevention/Good Housekeeping

Trainings have occurred for Police and Fire this permit year. 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.

General Discussion

Upcoming efforts were discussed for the year. The annual report will be an area of focus. In addition, the Pollution Reduction Plan is ongoing with design beginning for two of the ten basin retrofits. The Pollution Control measures are another area that efforts will be directed to.

ATTACHMENT #4

WEBSITE & FACEBOOK SCREEN SHOTS/NEWSLETTER ARTICLES

6/20/18 – Township's FB page posting



MS4 Update – Leaves and Stormwater



Stormwater flows to inlets and underground culverts, eventually ending up in creeks, streams ,rivers, and ultimately the Chesapeake Bay. Fall is just around the corner, and with that brings lots of leaves! The Township would like to remind you the importance of keeping stormwater intake systems free and clear of leaves which can otherwise clog inlets, pipes, flood streets, and pollute waterways.

Rather than raking and bagging your leaves, consider mulching them back into your lawn. They can also be used when mulched to protect plant beds or can be added to your compost pile. If leaves cannot be disposed of on your property, Lower Allen Township has a curbside leaf collection program in the fall. Please check the Township website for information on the collection routes, updates, and instructions. If you cannot participate in the leaf collection program, please bag your leaves and put them out for trash collection.

Contact Rebecca Davis, MS4 Coordinator via email at rdavis@latwp.org, if you have questions about how you can help to protect the quality of our creeks and streams.

MS4 UPDATE

BEST MANAGEMENT PRACTICES (BMPs)

What are BMPs?

The primary method to control stormwater discharges is the use of Best Management Practices (BMPs). BMPs are structural, vegetative, or managerial practices used to prevent or reduce stormwater pollution. While there are many types of structural BMPs used to control stormwater, they can be classified into two broad categories: Above Ground and Below Ground. Examples of Above Ground BMPs include basins, dry ponds, wet ponds, sand filters, bioretention, rain gardens, swales, channels, etc. Below Ground BMPs are typically unseen and can include underground pipe storage systems, sand filters, infiltration trenches, storage devices, etc.



Properly Functioning BMPs are required for adequate Stormwater Management:

You, as the owner of the stormwater feature, the manager of a commercial site, or as a member of a Homeowner Association (HOA) need to understand the importance of the facility on your property and your obligation to continue its proper functioning. Proper maintenance is critical for the successful functioning of the facility.

There are different maintenance requirements that should be implemented depending on the type of BMP that is located on your property. The Lower Allen Township Website has a link to the PA DEP BMP Manual, which contains detailed maintenance requirements for specific BMP types (http://www.latwp.org/wp-content/uploads/PA-DEP-BMP-Manual.pdf). BMPs should be inspected routinely, and after all major storms, to address maintenance and repairs that may be required to maintain proper functioning of the BMP.

As a landowner of property with a BMP, your responsibility to maintain these facilities helps not only you but the whole community around you. Regular maintenance programs should be implemented and used to ensure the BMP continues to function properly. Lower Allen Township property owners that have an existing BMP on their property and an Operations and Maintenance Agreement with the Township are required to report to the Township on an annual basis the condition of their BMP. Letters are sent out annually, in December, requesting submission of the inspection reports to the Township. Please contact Rebecca Davis, MS4 Coordinator, at rdavis@latwp.org or at 717-917-7575 ext. 1010, if you have additional questions or concerns regarding a BMP located on your property and associated maintenance requirements.

Fall 2018

TOWNSHIP NEWS

Lower Allen Township · 2233 Gettysburg Road · Camp Hill , PA 17011



Board of Commissioners
Seated L to R: Richard F. Schin, Carolyn Holtzman, and Dean W. Villone; *Standing L to R*: President H. Edward Black, Vice President Jack. R. Simpson, Jr.

Inside this issue:

Directory, Officials in Action, Stormwater Updates, MS4 Coordinator, Boards & Commissions	***Pages 2-3***
Advertising, New Business, Budget Hearings, Halloween Decorations, Winter Parking, Shoveling Snow	***Pages 4-5***
Snow Removal, Yellow Breeches Clean Up, Ambulance Subscriptions, Chianos Memorial Field, Scout News	***Pages 6-7***
School Crossing Guards, LA Alerts	***Pages 8-9***
Lisburn Fire Company Events, Lower Allen Fire Company Santa Clause	***Pages 10-11***
Employee Recognitions, Police Wall Mural, Trick Or Treat Night Schedule	***Pages 12-13***
Electrical Safety, MS4 Outreach, Yappy Hour, New Years Eve	***Pages 14-15***
Curbside Yard Waste, Bulk Item Disposal, Daylight Savings, Leaf Collection, MS4 Leaf Disposal	***Pages 16-17***
Bon Ton News, Tax Office , West Shore Rec News, Fredricksen Library	***Pages 18-19***

Stormwater Program Update



The Lower Allen Township Board of Commissioners held a public hearing and adopted an ordinance on August 27, 2018 to establish a Stormwater Authority. The Lower Allen Township Stormwater Authority (LATSA) consists of five (5) members appointed by the Board of Commissioners. The members are: Lloyd Bucher, Timothy Johnson, Richard Schin, Alison Shuler, and Gordon Wilson. The Authority will conduct monthly meetings at the Lower Allen Township Municipal Services Center, 2233 Gettysburg Road, Camp Hill, PA 17011. Their meetings will take place on the first Thursday of every month in Gorgas Hall at approximately 8:30 PM. The Stormwater Authority's first meeting took place on Thursday October 4, 2018.

LATSA was established by the Board of Commissioners to ensure that the stormwater infrastructure is well maintained, and stormwater quantity and quality are adequately managed. LATSA will fund operations and maintenance of infrastructure repair and replacement, administration of the state and federally mandated Clean Water Act permit requirements, and the design and construction of capital improvement projects through a stormwater fee that is currently being developed.

Prior to the establishment of LATSA, funds for repairing and maintaining the stormwater system came from the General Fund of the Township operating budget and the Township Liquid Fuels budget. This is no longer feasible due to State and Federal mandates from PADEP and USEPA for the Township to meet the regulatory requirements of their Municipal Separate Storm Sewer System (MS4) permit to reduce sediment, nitrogen and phosphorous runoff into waterways by developing a Pollution Reduction Plan (PRP). The PRP will require the Township to convert ten (10) detention basins to bioretention facilities within a five (5) year period.

(Continued on page 3)

DIRECTORY OF SERVICES

Lower Allen Township
2233 Gettysburg Road • Camp Hill, PA 17011
Monday-Friday: 8:00 am to 4:00 pm
Phone: 717-975-7575• www.latwp.org
Tax Office - Phone: 717-737-5671
Hours: Monday, Tuesday, Thursday 10:00 am - 2:00 pm

KEY STAFF EXT

Thomas G Vernau, Jr., Manager	1001
Erin G. Trone, Assistant Manager and Director of Economic and Community Development	1002
Donna Paul, Human Resources	1402
Dave Holl, Director of Public Safety	1601
Leon Crone, Police Captain	1515
Daniel Flint, P.E., Township Engineer & Director of Public Works	1101
Richard Grove, Finance Director	1202
Bob Nailor, Public Works Coordinator	2106
Frank Wirth, Fire Captain	1311
David Murdoch, Fire Chief, Lower Allen Fire Co.	1302
Josh Keller, Fire Chief - Lisburn Community Fire	766-3994

IMPORTANT NUMBERS

Emergency Police • Fire • EMS	9-1-1 (24-hours a day)
Non-Emergency & After Hours	717-238-9676
Poison Control Center	1-800-222-1222
PPL	1-800-342-5775
UGI	1-800-962-1212
PA American Water	1-800-565-7292
Suez Water Company	1-888-844-0352
Lower Allen Sewer Authority	717-774-0610
Penn Waste (Trash & Recycling)	717-767-4456
Trash Complaints - call the Township	975-7575, ext. 1106
Cleve J. Fredricksen Library	717-761-3900
New Cumberland Public Library	717-774-7820
Joseph T. Simpson Library	717-766-0171
West Shore Recreation Commission www.westshorerec.org	717-920-9515
Representative Sheryl Delozier 2929 Gettysburg Rd., Suite 6, Camp Hill, PA 17011	717-761-4665
Senator Mike Regan 2151 Market Street Camp Hill, PA 17011	717-975-1985
U.S. Representative Scott Perry	717-635-9504
U.S. Senator Robert Casey, Jr.	717-231-7540
U.S. Senator Pat Toomey	717-782-3951

OFFICIALS IN ACTION

The Board of Commissioners approved the following:



RESOLUTIONS

2018-R-26 *Recognizing Gregory Thomas for 25 years of service. (Adopted 7-9-18)*

2018-R-27 *Recognizing Curt Heckler for his 25 years of service. (Adopted 7-9-18)*

2018-R28 *Authorizing the sale of Township property valued over $1,000. (Adopted 7-9-18)*

2018-R-29 *Appointment of Aaron J. Duncan as a mechanic for the Fleet Maintenance department. (Adopted 7-9-18)*

2018-R-30 *Authorizing the sale of Township property valued over $1,000. (Adopted 8-13-18)*

2018-R31 *Appointment of Bryan A. Dunbar as a Public Safety Officer for the Public Safety Department. (Adopted 8-13-18.)*

2018-R-32 *Appointment of Thomas D. Kidd as a Public Safety Officer for the Public Safety Department. (Adopted 8-13-18)*

2018-R-33 *Authorizing the Director of Community and Economic Development to execute documents for Lower Allen Township Economic Development Authority on behalf of Lower Allen Township, (Adopted 9-10-18.)*

2018-R-34 *Authorizing the Manager to sign the 2018-2023 agility agreement with the Pennsylvania Department of Transportation. (Adopted 9-10-18)*

2018-R-35 *Adopting the updated Emergency Operations Plan of Lower Allen Township. (Adopted 9-10-18)*

2018-R36 *Adopting minimum municipal obligations payable to the Lower Allen Township Police Pension Plan and the Lower Allen Township Non-Uniformed Pension Plan in fiscal year 2019, and appropriating specific sums known as the Pension Budget for fiscal year 2019. (Adopted 9-10-18)*

2018-R-37 *Amending Section 5.07 of the Personnel Manual, Tuition Reimbursements, as Subsection 5.07.1, Eligibility. (Adopted 9-24-18)*

ORDINANCES

2018-04 *Amending the code in chapter 151, Parks and Playground, by adding language regarding vendors and memorials. (Enacted 7-9-18)*

2018-06 *Expressing the Board's intention to organize a Stormwater Authority under the Municipality Authorities Act for the purpose of exercising the powers conferred by the act; appointing the first members of the Board of the Authority; authorizing the execution of the articles of incorporation and preparing legal notices for the creation of the Authority. (Enacted 8-27-18)*

2018-07 *Amending the code in Chapter 147, Noise Control to prohibit noise associated with the use of consumer fireworks in the Township. (Enacted 8-27-18)*

2018-08 *Amending the code in Chapter 220, Zoning , by increasing the maximum permitted building height in the C-2 general commercial and C-4 regional commercial zoning districts, and by establishing a maximum building height in the I-2 mineral recovery district. (Enacted 9-10-18)*

2018-09 *Amending the Non-Uniformed Pension Ordinance. (Enacted 9-24-18)*

STORMWATER UPDATES • MS4 COORDINATOR• BOARDS & COMMISSIONS

Lower Allen Township is fully committed to meeting the regulatory requirements of its MS4 permit and protecting water quality in the community. The establishment of a Township Stormwater Authority will dedicate the funding required to facilitate the process of maintaining aging infrastructure, assessing drainage, addressing stormwater management problems, implementation of system improvements, and complying with state and federal mandated requirements.



Arcadis, the Township's consultant, presented information regarding the stormwater projects and the fee at the Commissioners meeting on October 8th, 2018. Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township website and in future issues of the Township newsletter. If you have any questions regarding the program or the Stormwater Authority please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

MS4 COORDINATOR REBECCA DAVIS ACHIEVES CHESAPEAKE BAY LANDSCAPE PROFESSIONAL STATUS

The Chesapeake Bay Landscape Professional program announced that Rebecca Davis, MS4 Coordinator of Lower Allen Township in Camp Hill, PA has earned the Chesapeake Bay Landscape Professional (CBLP) designation.

The achievement of the CBLP Level 1 designation demonstrates an advanced level of professionalism and knowledge of sustainable landscaping practices for a healthier Chesapeake Bay. Certification is voluntary, and candidates must pass a comprehensive exam that assesses an individual's command of sustainable practices in the design, installation, and maintenance of landscapes.

CBLP-certified professionals have in-depth knowledge of sustainable landscape best practices and a focus on maintenance of stormwater best management practices.

For more information about becoming CBLP-certified or hiring a certified CBLP for sustainable landscaping services, visit www.cblpro.org

Board and Commission Volunteers Needed

Vacancies appear from time to time on the various boards and commissions that serve the residents of our Township. These boards and commissions include:

Planning Commission	Zoning Hearing Board	Sewer Authority	Development Authority
Recreation & Parks Board	Civil Service Commission	Stormwater Authority	

If you have a couple of hours a month to spare to engage with your fellow residents for the betterment of the community, then please send your resume and cover letter, indicating your areas of interest, to Township Secretary Helen Grundon. If you need information about what these boards & commissions do, please contact Township Manager Thomas Vernau at 975-7575 x 1001.



ATTENTION: **Businesses and Organizations, let us help you get your information in front of many Township News readers.**

Price	Ad Size	# of Issues
$250.00	(3 1/2 x 2)	4
$75.00	(3 1/2 x 2)	1
$600.00	(6 1/2 x 4)	4
$175.00	(6 1/2 x 4)	1

To arrange for your ad to be published in the next quarterly issue, available in January, call 975-7575, ext. 1003 or email hgrundon@latwp.org.



* Nutrition & Beyond
  5262 Simpson Ferry Road
* Duncan-Nulph Hearing Associates
  5020 Ritter Road, Suite 106

BUDGET HEARINGS

The Commissioners will hear presentations from Staff regarding their 2019 budget requests on the following dates:

Monday, October 15th at 7:00 pm
Monday, October 29th at 6:00 pm.
Monday, November 5th at 6:00 pm

The meetings are open to the public. Residents are invited to come and witness the budget process in action.

CALENDAR AT A GLANCE

Meetings are held at the
Lower Allen Township Municipal Services Center
(unless otherwise noted)

TAX OFFICE (737-5671) Monday, Tuesday, Thursday 10 am - 2 pm

OCTOBER

1 Board of Commissioners-Budget Meeting	6:00 pm
4 Sewer Authority	7:30 pm
4 Stormwater Authority	7:30 pm
8 Lisburn Fire Co. Chicken BBQ	11:00 to 2:00
8 Board of Commissioners	7:00 pm
15 Development Authority	6:00 pm
15—19 Tax Office	CLOSED
15 Board of Commissioners-Budget Meeting	7:00 pm
16 Planning Commission	7:00 pm
18 Zoning Hearing Board	7:00 pm
22 Lisburn Fire Co. BINGO	Doors Open at Noon
22 Board of Commissioners	7:00 pm
24 Recreation and Parks Board	7:00 pm
25 Trick or Treat	6:00 pm—8:00 pm
29 Board of Commissioners-Budget Meeting	6:00 pm

NOVEMBER

1 Sewer Authority	7:30 pm
1 Stormwater Authority	7:30 pm
5 Board of Commissioners-Budget Meeting	6:00 pm
12 Veterans Day—Township Offices Closed	
12 Lisburn Fire Co. Turkey Dinner	11:00 to 2:00
13 Board of Commissioners	7:00 pm
14 Recreation and Parks Board	7:00 pm
15 Zoning Hearing Board	7:00 pm
19 Development Authority	6:00 pm
20 Planning Commission	7:00 pm
22-23 Thanksgiving—Township Offices Closed	
22-30 Tax Office	CLOSED
26 Board of Commissioners	7:00 pm

DECEMBER

2 Lisburn Fire Co. Cookies with Santa	9:30 am
6 Sewer Authority	7:30 pm
6 Stormwater Authority	7:30 pm
10 Board of Commissioners	7:30 pm
17 Development Authority	6:00 pm
18 Planning Commission	7:00 pm
20 Zoning Hearing Board	7:00 pm
25 Christmas Holiday—Township Offices Closed	
24-1/2 Tax Office	CLOSED
26 Board of Commissioners	7:00 pm

JANUARY

1 New Years Holiday—Township Offices Closed	
3 Sewer Authority	7:30 pm
3 Stormwater Authority	7:30 pm
14 Board of Commissioners	7:00 pm
15 Planning Commission	7:00 pm
17 Zoning Hearing Board	7:00 pm
21 Development Authority	6:00 pm
23 Recreation and Parks Board	7:00 pm
28 Board of Commissioners	7:00 pm

HALLOWEEN DECORATIONS • WINTER PARKING • SHOVELING SNOW

HALLOWEEN DECORATIONS

Halloween is quickly approaching, and soon we will see our neighborhoods decorated with scary witches, ghosts, goblins and demons. While we appreciate the hard work and creativity that goes into some of these displays, we also ask that folks use common sense when developing displays that may be offensive to others. We've seen displays that could be considered "adult" in nature, and one last year that was viewed as racist by a viewer.

Also, with all the little monsters, robots, and princesses walking through the neighborhoods trick-or-treating, please place your displays where they cannot be tripped over. Please accompany the little ones, make them cross streets at the intersections, and if possible, build some reflectivity into the costume.

Trick or Treat will be held from 6:00 to 8:00 pm on Thursday, October 25th this year.



Winter Parking

The Police Department would like to remind residents about parking regulations during the upcoming winter season. Beginning December 1 through March 31, residents may only park their vehicles on one side of the street as indicated by the street signs. The side that is permitted for parking alternates on a monthly basis. Please be sure that you are parking on the correct side of the street. Your compliance allows the Public Works Department to get into the developments to quickly clear a travel lane without weaving between vehicles parked on opposite sides of the street. If a snow emergency is declared you have six (6) hours to remove vehicles from the public roadway. If vehicles are not moved from the roadway within the six hours the vehicle will be towed. The following streets have odd/even signs posted:

19th Street	Elmhurst Road	Letchworth Road	Shoreham Road
20th Street	Highland Drive	Letchworth Drive	Strafford Road
Apple Drive	Kelton Road	Manchester Road	Village Road
Chatham Road	Kent Road	Norman Road	Warwick Road
Chatham Drive	Kent Drive	Oxford Drive	Wyndham Road
Cherokee Avenue	Kingsley Road		

Vehicles that are in violation of the **odd/even** parking requirements are subjected to being ticketed.



SNOW SHOVELERS NEEDED!

The Township is seeking individuals and/or contractors to clear snow from certain Township sidewalks this winter. We pay $18.00 per hour, and each sidewalk has a maximum time allowance. The use of snow blowers is permitted. Other guidelines are as follows:

- Contractors are required to clear their assigned sidewalks following every snowfall.
- If a contractor will not be physically able to clear the sidewalk, he or she must notify the Township 24 hours in advance.
- Sidewalk must be cleared within 24 hours after snowfall ceases.
- The Township will provide ice melt and instructions for use. Contractors may not use Township-provided ice melt in any other location than Township sidewalks.
- The Township will pay the contractor $18 per hour and will set maximum amounts payable for each sidewalk. Times will be determined based on a snowfall of 4 inches or less.
- Time allowance will increase by 50% for snowfalls of 5-8 inches.
- Time allowance will double for snowfalls over 8 inches.
- Contractors must provide their own equipment.
- Contractors will not be covered under any Township insurances.

Please contact the Manager's office at (717) 975-7575, ext. 1003 for more information.

ANNUAL YELLOW BREECHES CLEANUP

On Sunday, July 15th, the Yellow Breeches Watershed Association held their annual Family Creek Cleanup. Around 20 people participated, some on the water in kayaks and canoes, and others on the "land crew" to rendezvous with the boaters at various points to collect the debris that had been pulled from the creek and creek banks. Once again, tires were plentiful, as well as an interesting assortment of other debris, including shoes, bottles & cans, a car battery, toys, buckets, an air conditioner, and many other items. Some items were obviously dumped, but other items were possibly picked up by high water or the result of lazy litterers. Please don't use our creeks and streams as dump sites, carry out what you carry in, and keep items away from the creek banks during times of heavy rains or high water.

Many thanks to Pennsylvania American Water Co. for donating pizzas and water to the hungry work crews!





Ambulance Subscription Renewals

The 2019 Ambulance Subscription Renewals will be mailed out by the end of the year 2018. Subscriptions are good for the calendar year of 2019. The Board of Commissioners will be setting the rates for 2019 at one of their October meetings.

Why have a subscription? The cost of a trip in an ambulance is very high and insurance generally does not pay the full bill. A subscription can help you save money if you have called 911, are transported to the hospital via ambulance, and the trip is deemed medically necessary by the insurance company. In this case you are not liable for any amounts over the insurance payment if you have a valid subscription. 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.

JAMES W. CHIANOS MEMORIAL FIELD

On November 17, 2017, Lower Allen Township lost a 38-year member of the Township family when James W. "Greek" Chianos passed away at the age of 60. Greek was the Township's Parks Supervisor.

Greek had a passion for the Parks in the Township, and as anyone who has visited those parks can attest, used his resources and his staff to keep the parks and their amenities in top-notch condition. The Township routinely received kudos regarding the beauty of the parks.

Greek was also an avid softball player and worked alongside several softball associations to ensure that when they were playing in Lower Allen, they were playing on quality fields. In order to recognize the outstanding job Greek did with the parks and fields, the Commissioners at their April 23rd meeting declared that a softball field at the Lower Allen Community Park be dedicated to Greek's memory.



On Sunday, August 5th, James W. Chianos Memorial Field was dedicated in front of a crowd of about 50 people, including family, friends, coworkers, and elected and appointed officials. Greek's sons, Jimmy and Jesse, spoke about their father's love for his work. Also speaking to express their admiration and appreciation for Greek's work were Commissioner Ed Black, Recreation Board Chairman Greg Mahon, and Public Works Coordinator Bob Nailor, a friend of Greek's since childhood.

Donations received following Greek's passing were used to purchase the sign, and Black Landscaping donated a maple tree and landscaping around the sign. Residual funds will be used for new dugouts for Chianos Field.

SCOUT NEWS





Jon Roesner, son of Charles and Crystal Roesner of Upper Allen Township, completed his Eagle Scout project at the Lower Allen Community Park. Jon is a member of Boy Scout Troop 300 in Shiremanstown. Jon built four benches, two by the horseshoe pits at The Barn, one by the horseshoe pits at the Upper Pavilion, and one at the Fernlawn Pavilion. He also built new backstops for the horseshoe pits.

EMPLOYMENT OPPORTUNITY

*Part-Time School Crossing Guards



to fill the following locations:

<u>Selwick and Carlisle Crossing AM</u>: Crosses from Selwick Road over Carlisle Road to school. Be at crossing at 8:20AM.

<u>Selwick and Carlisle Crossing PM</u>: Crosses from school over Carlisle Road to Selwick Road and then to Manchester Road. Be at school at 3:20PM. (fill in at AM and/or PM crossings on an as-needed basis).

<u>Allendale Train PM:</u> Meet at Highland Elementary School at 3:20PM and walk children to Allendale Way @ Deerfield Road. Needed on Wednesday, Thursday and Friday, each week.

<u>Locust Street AM:</u> 8:20 am—Meet at the step at Locust Street, cross students and walk them to the lobby of Lower Allen Elementary.

<u>Substitute, at Large:</u> Able to fill in for any crossing, as needed.

***Positions will be filled for the 2018-2019 school year. Additional positions may become available throughout the school year.**



Substitutes may be called upon with short notice to fill vacancies, but several days notice is usually given.

Safety equipment and training are provided.
Uniforms are NOT required.

Applications will be accepted, until all positions are filled.

Applications are available at 2233 Gettysburg Rd or online at www.latwp.org.
For any questions regarding the position, contact:
Linda McCool or Lt. Leon Crone at 717-975-7575.
Lower Allen Township Police Department is an Equal Opportunity Employer.

Lower Allen Township Offers a NEW 'Community Notification System'

In April 2017, we retired the previous system used to make community notifications for emergencies as well as general notifications of Township activities. The retired system was largely based upon landline phone numbers contained in the "White Pages" database. As landlines continued to decrease and become less reliable for immediate notifications, it became essential to shift to a mobility based system that provided for a resident's self-determination of a variety of contact options.

With the new system, referred to as "**LA ALERTS**", you will be able to add the phone numbers (landline and cell phones), email addresses, and text numbers where you wish to be contacted for various notifications. You will also be able to select groups you wish to be included in for emergency and/or routine messaging.

Subscribing is easy! Simply go the Township web page at www.latwp.org and click on "**LA Alerts**" under the Police & Public Safety News link. Here you will be able to create an account and list the phone numbers and email addresses you wish to be included as contacts. You can also then choose the level of contact and join contact groups. If you have any difficulty you can also subscribe by calling us at 717-975-7575 Ext. 1602 and we will assist you in registering. You may also choose to complete the form at the bottom of this page and mail to Lower Allen Township, 2233 Gettysburg Road, Camp Hill, PA 17011, Attn: LA ALERTS (or use the drop box near the flag pole in our parking lot).

You will no longer receive EMERGENCY or other notifications unless you subscribe to the "**LA ALERTS**" system. Do not hesitate. **Subscribe today!**

Please PRINT

I am a Lower Allen Township: ___Resident___Business

NAME AND ADDRESS

Resident or Business Name: _____

Street Address: _____

Apartment or Suite #:_____ City: _____ Zip: _____

PHONE AND EMAIL

Phone (HOME): ( ) ____-_____

Phone (CELL): ( ) ____-_____ Circle One (TEXT or VOICE) EMAIL: _____

Phone (CELL): ( ) ____-_____ Circle One (TEXT or VOICE) EMAIL: _____

Phone (CELL): ( ) ____-_____ Circle One (TEXT or VOICE)

GROUP SUBSCRIPTIONS

I would like to subscribe to the following groups: ___ Emergency Alerts ___ Flood Plain Alerts ___ TMI Alerts

___ Leaf/Trash Pick-up ___ Weather Alerts ___Township Newsletters/Events ___ LA Business Owner/Operator

Lisburn Community Fire Company



Thank you to all our vendors, volunteers, & members who made this year's Festival a success. Mark your calendar for our 66th annual Festival—August 7-10, 2019.



October 14, 2017

12pm-Doors & Kitchen open

1:30pm-Early Bird starts

2:00pm-Bingo starts

Regular games, special games & Final Jackpot. Small games of chances, Door Prizes and Good Food.

$22 in Advance …$25 at the Door.

Contact Darla at 717-938-9428 or the Fire Company at 717-766-3994 for tickets

MARK YOUR CALENDAR—SEE OUR WEBSITE /FACEBOOK PAGE FOR MORE DETAILS

- ☑ **OCTOBER 14TH—DRIVE THROUGH CHICKEN BBQ …** 11:00 a.m. to 2:00 p.m. Each $8.00 dinner will include one half barbecued chicken, a baked potato, applesauce, a roll, butter, and a bottle of water. The price cannot be beat.
- ☑ **OCTOBER 27TH—HARD PRESS: A HARVEST FESTIVAL WITH SPIRIT .** 1:00 to 6:00 p.m. In addition to the Wine and Cider event, there will be events for the kids including hay rides, trick or treating, food and games. See our website and Facebook for more details. Tickets= https://cdm.ticketleap.com/hardpressed
- ☑ **NOVEMBER 12TH—TURKEY DINNER**—11:00 a.m. to 2:00 p.m. Adults are $10.00 and children are $4.50.
- ☑ **OCTOBER—MARCH—WEDNESDAY NIGHTS—BLOCK SHOOT**—Fire Hall—starting October 3rd.



1800 Main Street, Lisburn Mechanicsburg, PA 17055

(717) 766-3994

www.lisburnfire.org

LisburnFire24@gmail.com

SANTA CLAUS IS COMING TO TOWN

Lower Allen Fire Company No. 1 is proud to be escorting Santa around the township by Firetruck for children and families all to enjoy this holiday season.

On **Saturday, December 22nd**, this endeavor will feature stops in all neighborhoods listed below. Fire Company members will operate 2 different Santa runs simultaneously to accommodate all areas in our coverage area. Each child will have the opportunity to visit with Santa Claus and receive a treat as well as having the ability to have their picture taken.

MORNING

08:00 am - 08:15 am
Run 1 – Beacon Hill Lower – Maplewood Dr & Summitview Ct
Run 2 – Manor Dr & Woods Way (Southern End)

08:20 am - 08:35 am
Run 1 – Beacon Hill Upper – Beacon Hill Park
Run 2 – Fair Oaks – Woodbox Ln & Firethorn Ln

08:40 am - 08:55 am
Run 1 – Allendale – Allendale Park
Run 2 – Arcona – Molly's Run & Strong Rd

09:00 am - 09:15 am
Run 1 – Allendale/Cliffs - Candlewyck Rd & Lantern Ln
Run 2 – Meridian Leasing Office

09:20 am - 09:35 am
Run 1 – Cedar Cliff Manor – Citadel Dr & Colgate Dr
Run 2 – Sheepford Crossing Park

09:40 am - 09:55 am
Run 1 – Highland Park Lower – Norman Rd & Kingsley Rd (area of 400 Norman Rd)
Run 2 – Madison Society Hill Leasing Office

10:00 am - 10:15 am
Run 1 – Highland Park Upper – Highland Park and Playground
Run 2 – Country Walk Apartments Leasing Office

10:20 am - 10:35 am
Run 1 – Highland Estates – Highland Estates Playground
Run 2 – Stone Gate Leasing Office

10:40 am - 10:55 am
Run 1 – Cedar Village – Holly Dr & Pine St
Run 2 – Rossmoyne Manor – Scarsdale & Neponsit

AFTERNOON

12:00 pm - 12:15 pm
Run 1 – Brooks Edge Apartments
Run 2 – Keewaydin – 41st & Seneca Av

12:20 pm - 12:35 pm
Run 1 - Cedar Run – Cedar Run Dr & Nailor Dr
Run 2 – Cumberland Park – Cumberland Rd & Essex Rd

12:40 pm - 12:55 pm
Run 1 – Spring Lake – New York Av & Schuylkill Av
Run 2 – Harrisburg Manor – Windsor Pl & Florence Ave

1:00 pm - 1:15 pm
Run 1 – Cressman Manor – Morningside Dr & 30th St
Run 2 – Shireman Manor – Somerset Dr & West Maple Dr

1:20 pm - 1:35 pm
Run 1 – Linden Gardens – Glenwood Rd & Park Pl
Run 2 – Wesley Townhomes – Pheasant & Mallard

1:40 pm - 1:55 pm
Run 1 – Rana Villa South – Primrose Ave & Cedar Ave
Run 2 – Windsor Park – Cambridge Dr & Stuart Dr

2:00 pm - 2:15 pm
Run 1 – Rana Villa North - Pete and Church Baseball Fields off of Rosemont Av
Run 2 – Oxford Manor Apartments Leasing Office

Any questions can be directed to our Facebook page https://www.facebook.com/lowerallenfire/

TOWNSHIP EMPLOYEES REACH MILESTONE

Lower Allen Township is proud to recognize the following employees for their years of service. The employees were formally recognized at a recent Board of Commissioners meeting. All of our employees provide a valuable service to the residents and we hope you'll join us in applauding their milestones. Pictured below is Lieutenant Thomas and Township Manager Thomas Vernau, with President H. Edward Black.

NAME	*YEARS/HOURS*	*STATUS*	*JOB TITLE*	*DEPT.*
Donald Coffey	10 Years	full-time	Detective	Police
Curt Heckler	25 Years	full-time	Patrol Officer	Police
Gregory Thomas	25 Years	full-time	Lieutenant	Police
Thomas Vernau, Jr.	30 Years	full-time	Township Manager	Administration







Lower Allen Police Mural

If you have traveled the back stairway recently, you may have noticed that a mural of the LAT police badge and motto has appeared on the wall. This was the work of Heather Thomas, daughter of Lt. Gregory Thomas and Tina Thomas. Heather is currently attending the University of the Arts in Philadelphia but she completed the mural during her senior year of high school.

Thank you sponsors and participants:

•3rd Element Consulting
•Belco Credit Union
•BoneFish Grille
•Carlisle Sports Emporium
•Cedar Cliff McDonald's
•Christian Life Assembly Church
•Classic Drycleaners
•Dream 2 Reality
•Flinchy's
•Fredricksen Library
•Gamut Theatre Group
•Grappling Crab Shack
•Harrisburg Senators
•Inspiration Station
•J&J Snack Foods
•Jean Foschi
•Kessler's Meats
•Kline Law
•Lake Tobias Wildlife Park
•Martin's Potato Chips
•Members 1st FCU
•Nobody's Cats
•Rep. Sheryl Delozier
•Rolling Green Cemetery
•Stroehmann Bakery Outlet
•Susquehanna Valley FCU
•The Learning Source
•The Oakes Museum
•The State Museum of PA
•Weis Markets
•West Shore Academy of Martial Arts
•West Shore Recreation
•Whitaker Center for Science & The Arts
•UTZ



Save the Date:
TUESDAY, AUGUST 6, 2019



Trick or Treat Safety Tips

Lower Allen Township's Trick or Treat is Thursday, October 25, from 6-8 pm.

Walk Safely

- Cross the street at corners, using traffic signals and crosswalks.
- Look left, right and left again when crossing and keep looking as you cross.
- Put electronic devices down and keep heads up and walk, don't run, across the street.
- Teach children to make eye contact with drivers before crossing in front of them.
- Always walk on sidewalks or paths. If there are no sidewalks, walk facing traffic as far to the left as possible. Children should walk on direct routes with the fewest street crossings.
- Watch for cars that are turning or backing up. Teach children to never dart out into the street or cross between parked cars.

Trick or Treat With an Adult

- Children under the age of 12 should not be alone at night without adult supervision. If kids are mature enough to be out without supervision, they should stick to familiar areas that are well lit and trick-or-treat in groups.

Keep Costumes Both Creative & Safe

- Decorate costumes and bags with reflective tape or stickers and, if possible, choose light colors.
- Choose face paint and makeup whenever possible instead of masks, which can obstruct a child's vision.
- Have kids carry glow sticks or flashlights to help them see and be seen by drivers.
- When selecting a costume, make sure it is the right size to prevent trips and falls.



Drive Extra Safely on Trick or Treat Night

- Slow down and be especially alert in residential neighborhoods. Children are excited on Trick or Treat and may move in unpredictable ways.
- Take extra time to look for kids at intersections, on medians and on curbs.
- Enter and exit driveways and alleys slowly and carefully.
- Eliminate any distractions inside your car so you can concentrate on the road and your surroundings.
- Drive slowly, anticipate heavy pedestrian traffic and turn your headlights on earlier in the day to spot children from greater distances.

Visit the following street intersections for FREE pizza slices, courtesy of Lower Allen Fire Company #1.

6:00 to 7:00pm
•Letchworth Drive & Kent Drive (18th St. end)
•Somerset Drive & Maple Drive
•Lancaster Boulevard & Oxford Drive
•Letchworth Road & Chatham Road
•Tisbury Circle
•Lisburn Estates & Allen Estates

7:00 to 8:00pm
•Allendale Way & Blacklatch Lane
•Scarsdale Drive & Neponsit Lane
•Sheepford Crossing Park
•William Penn Drive & Wayne Road
•Citadel Drive & Colgate Drive
•Fox Hollow Road & Canyon Creek



BATTERY TIME

Don't Forget to Change Your Batteries in Your Smoke Detectors

Electrical Safety

Where is the closest outlet? How much power does each device draw? How much can the electrical circuit for this outlet handle? Can I use an extension cord or a power strip? These are four important questions you should be asking yourself when you go to plug in something.

Extension Cords—When using an extension cord , be sure to match the capability of the cord with the power demand of the device you are connecting to your electrical system. If you are using items like heaters, power tools and vacuums, always make sure the extension cord has the proper gauge, voltage rating and amperage rating to handle the above-average load of these types of items. Overloading the extension cord might heat it up quickly, which can cause melting and possibly a fire.

- Extension cords are for TEMPORARY USE ONLY. Temporary means non-permanent.
- Extension cords are not a safe solution if you do not have enough outlets. Have a competent electrician install additional outlets, with required electrical permit and inspection to assure safety.
- Do not use extension cords that have visible defects or wear.
- Extension cords should not be run inside wall cavities.
- Do not run extension cords under rugs. This might cause overheating and possibly a fire.
- Do not run extension cords through doorways. This causes a tripping hazard. Also, the cord can become pinched, which might cause overheating and possibly a fire.
- If you need to join two extension cords together (for a longer reach), make sure both cords are both the appropriate gauge to handle the extra length.

Power Strips—Power strips come in two basic types, consumer grade and commercial grade. Consumer grade is the most common type being used. Most devices of this type are made of plastic, which is very prone to melting or catching fire if the unit overheats. Commercial grade power strips have a modular construction and use simplex or duplex receptacles that protrude through the cover. Most of these strips are made of steel or aluminum. This type of construction will generally not melt or burn. Commercial strips are designed and built for a wider variety of uses.

- Power strips are not to be used in a moist or damp environment, or outdoors.
- Power strips are not a safe solution if you do not have enough outlets. Have a competent electrician install additional outlets, with required electrical permit and inspection to assure safety.
- Do not daisy chain power strips together.
- Use the correct power strip for the job—They should carry a UL (Underwriters Laboratory) or ETL (Electrical Testing Laboratory) rating label on them.
- Replace the power strip at the first sign of failure, overuse , overheating or visible defects or wear.

MS4 Outreach with the West Shore Recreation Commission

Lower Allen Township's MS4 Coordinator, Rebecca Davis, spoke to the West Shore Recreation Summer Program on June 29th, 2018, regarding Stormwater and ways to stop stormwater pollution. Mrs. Davis spoke to two groups of children in an interactive presentation to educate our youth about ways that stormwater can be polluted and also how they can be a part of the solution to stop it!



Here is a picture of Mrs. Davis with the West Shore Summer Recreation Program participants from 4th through 6th grades.

Yappy Hour at the Lower Allen Dog Park

Yappy Hour was held on Thursday evening, August 2nd at the Doggie Dugout in Lower Allen Community Park. We had a great turn out, considering rain storms in the area that hindered some people from attending. Billy Wray Music entertained everyone at the event with his easy listening vocals, accompanied by keyboard. Will-EZE Concessions served great food and desserts at the event, which everyone really seemed to enjoy. We want to thank our local businesses and organizations that participated in the event, with information and give-a-ways.

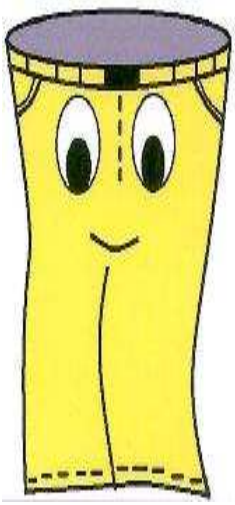


- Harrisburg Senators Baseball Club
- Humane Society of Harrisburg
- Benny's Pet Depot
- Rossmoyne Animal Emergency Trauma Center
- HOPE – Hounds of Prison Education
- Central PA Animal Alliance
- Susquehanna Valley Federal Credit Union
- Michael Yatsko – Pet photographer
- June Minaya – Pet portrait painter





CELEBRATE NEW YEARS EVE AT LOWER ALLEN COMMUNITY PARK!



Come ring in the New Year with your neighbors at The Barn at Lower Allen Community Park. The Township is sponsoring an alcohol-free, family-friendly celebration that will begin at 8:00 pm and end at 12:00 am, following the "Lowering of the Breeches". Water and soda will be available, as will coffee, hot chocolate, and finger foods. A DJ will be there to provide music for your dancing and listening pleasure.

This event has been held for five years, and a good time is always had by all. In addition to music, there are games for both kids and adults, as well as an opportunity to have your picture taken with The Breeches. This year will also feature Breechie, a li'l pair of breeches for the kids to lower.

If you'd like to bring a canned good or other dry foods, a collection area will be set up for the Central PA Food Bank. Donations will also be accepted for the Township's K-9 Program. Many thanks to the New Year's Eve Celebration Committee for their fine work in putting this event together!

CURBSIDE YARD WASTE • BULK ITEM DISPOSAL • DAYLIGHT SAVINGS

Curbside Yard Waste Collection



The Township's yard waste recycling program started in April, with collection by your trash hauler on your regular trash day. Yard waste collection will proceed through the last week in November. Residents may bring their yard waste directly to the Public Works facility, located at 1400 St. Johns Road, Monday through Friday, between the hours of 7:00am – 3:00pm. The second Saturday drop off will end in November. **Lower Allen households are limited to four loads of brush (yard debris), per calendar year. A $25.00 fee will be assessed for households exceeding their 4 load limit.**

Landscape Contractors working at properties in the Township may haul yard waste generated at those properties to the Public Works facility when accompanied by the resident, or with prior approval. A contractor's yard waste permit is required to be purchased by contractors using the facility.

Yard waste consists of garden debris, leaves, sticks, branches and stumps (no larger than 14 inches in diameter). Grass clippings and sod are **NOT** considered yard waste and should be bagged and put out with regular garbage, or composted.

Yellow yard waste bins should be used for smaller manageable amounts of debris. No trash bags or garbage should be mixed in with the yard waste. Branches must be bundled with twine or string, and not exceed 6 feet in length or 4 inches in diameter. Maximum weight is 45lbs. Yellow yard waste bins can be picked up at the Municipal Services Center during regular business hours. Unlimited amounts of yard debris may be placed curbside, using the previously stated guidelines.

BULK ITEM DISPOSAL

One bulk item per week can be picked up curbside by your trash hauler. For residents' convenience, four loads per household per calendar year can be brought to the Public Works facility. The business hours for dropping off items at Public Works is Monday – Friday between the hours of 7:00am – 3:00pm. For residents' convenience, the facility is open the second Saturday of the month 8:00am – 1:00pm, from April through November.

Bulk items - Household appliances, furniture, carpet and wooden items - (outdoor furniture, swings and landscaping timbers). Lawn mowers, snow blowers, trimmers, etc. (with all fluids removed) will also be accepted. **A $25.00 fee will be assessed for households exceeding their 4 load limit.**

Shingles, concrete, dirt, paint, tires, oil, fuel, glass, pressurized tanks, TV's and Computer Equipment WILL NOT be accepted.

Please refer to the Cumberland County website, www.ccpa.net, for recycling guidelines and disposal locations for electronics and hazardous materials.

Yellow Yard Waste Recycling Containers are available at:
Municipal Services Center, 2233 Gettysburg Road, Camp Hill, PA 17011
Between the hours of 8 am and 4 pm, Monday-Friday.
Limit one per residence.

Daylight Savings Time ends Sunday, November 5, 2018! Don't forget when you change your clock, also change the batteries in your smoke detectors too!!!

SMOKE DETECTORS SAVE LIVES!!!!



Leaf Collection Information

The annual leaf collection for Lower Allen will start on Monday October 22nd and continue through the week of December 7th. **(With the exception of the Thanksgiving Holiday, November 22 – November 26th)** Crews will collect leaves weekly through each neighborhood. If you miss the collection for the week, you will have to wait until the next round to have your leaves removed. The picking machines are equipped with a 5-foot hose that sucks up the leaves into a holding box, which is attached to the truck. Please rake leaf rows to the street side of the curb, or within 5' of street edge where no curb exists, in long rows, not large piles. Leaves that are not raked within 5 feet of the road will not be collected. The efforts of leaf collection crews are focused on collecting bulk volumes of leaves as efficiently as possible. It is not practical to spend time vacuuming all the leaf debris only to have more leaves accumulate a few hours later. At the end of the season, after the last round of leaf collection, the Township street sweeper will clean the streets to remove any remaining debris.

Collection from East to West - Weekly leaf collection will begin in the eastern section of the Township (Allendale) and proceed towards the southern and western sections (Lisburn /Windsor Park areas). Updates regarding leaf collection will be posted on the website at www.latwp.org or information can be obtained by calling Public Works at 975-7575
Ext. 2104, during regular business hours.

Just Leaves - Only Leaves may be raked or placed roadside. Do not place sticks, boards, bricks, rocks or other items in the leaf piles.

Clear the way - Roadside trees should be trimmed to the legal height of 14 feet and roadside basketball nets need to be set behind the curb line.

Delays - Heavy accumulations of leaves, inclement weather and machine breakdowns may delay the collection of your leaves. Please be patient as crews do their best to service your area.



DON'T: Let leaves remain spread out or piled between or under parked cars.



DO: Please rake leaves into long windrows, not large piles.



MS4 Update – Leaves and Stormwater



Stormwater flows to inlets and underground culverts, eventually ending up in creeks, streams ,rivers, and ultimately the Chesapeake Bay. Fall is just around the corner, and with that brings lots of leaves! The Township would like to remind you the importance of keeping stormwater intake systems free and clear of leaves which can otherwise clog inlets, pipes, flood streets, and pollute waterways.

Rather than raking and bagging your leaves, consider mulching them back into your lawn. They can also be used when mulched to protect plant beds or can be added to your compost pile. If leaves cannot be disposed of on your property, Lower Allen Township has a curbside leaf collection program in the fall. Please check the Township website for information on the collection routes, updates, and instructions. If you cannot participate in the leaf collection program, please bag your leaves and put them out for trash collection.

Contact Rebecca Davis, MS4 Coordinator via email at rdavis@latwp.org, if you have questions about how you can help to protect the quality of our creeks and streams.

Lower Allen Township Development Authority to purchase former Bon-Ton

The Lower Allen Township Development Authority has signed a Sales Agreement with the Bon-Ton to purchase the 14-acre site located at 3525 Gettysburg Road for $8.1 million. The site includes not only the Bon-Ton, but also the former Borders, the Burger King, Texas Roadhouse and Bonefish Grill.



The site is highly visible from Route 15 and a long-term vacancy could have a detrimental effect on Lower Allen's economic image and tax base. The Development Authority is involved to ensure something is built on the site that supports other businesses in the Township and will draw people into the region. One possible use could be a hotel and conference center. The site offers considerable potential because Cumberland County is the fastest-growing county in the state and over 70,000 cars pass the site each day.

The Lower Allen Township Development Authority was created a decade ago to help steer commercial development in the Township. The members of the Authority are appointed by the Township Board of Commissioners. Lower Allen Township's 2018 Comprehensive Plan specifically laid out plans for the Development Authority to work with Bon-Ton about the redevelopment of the site, however the retailer filed for bankruptcy in early 2018 and the site became available for sale in May 2018.

FALL IS ALMOST HERE!

"Professional, Yet Personal...That's My Bottom Line" ***Bonnie K. Miller***

Important Dates and Info to Add To Your Fall Calendar...

School real estate and per capita taxes dated July 1st, 2018 are now due at the face amount. The last day to take advantage of the West Shore School District real estate and/or per capita tax bills at the face amount is Thursday, November 1st. Please remember that a 10% penalty will automatically be added on November 2nd 2018.

You should have received a $7,282 Homestead Exclusion on your July 1st, 2018 West Shore School District Real Estate tax bill, if you did not, perhaps you are a new homeowner or didn't apply for it, the next window to apply for the Homestead Exclusion is December 15, 2018 through March 15, 2019. You can obtain that form on Cumberland County's website, ccpa.net. If you take the $7,282 Homestead Exclusion amount and multiply it by 11.6457 mils it equals $84.80. Your assessment on your house will go back to the original assessment before the Homestead Exclusion since that only applies to the West Shore School District real estate tax bill. If there isn't a per capita tax bill enclosed with your real estate tax bill, please contact the Tax Office at 717-737-5671.

Tax Office Hours – Monday, Tuesday and Thursday from 10 a.m. to 2 p.m. or by appointment. If you stop by the Tax Office during the days it is closed, feel free to drop your payment in the gray box located next to the flagpole or the black pedestal mailbox outside my office door. You may also mail your payment. If you would like a paid receipt for your taxes, PLEASE include both copies of your tax bill and a self-addressed stamped envelope, so I can mail your receipt back to you. Tax Office will be closed the weeks of October 15th-19th, November 22nd-30th, and December 24th-January 2, 2019.

Fredricksen Library News

Help Pave the Way to Open Doors at Fredricksen!
A new lower level entrance to serve patrons visiting the Pollock Children's Library and the Ruggaber Community Room is coming soon! Help the library to Open Doors by engraving a paver (or two!) in honor or in memory of family, friends, loved ones, pets, an organization or special occasion. Information regarding paver options can be found on our website or in the library.

Celebrating Diwali
Friday, November 2 from 6:30 pm – 8:00 pm
Discover what Diwali, a joyous holiday from India, is all about! Enjoy some Indian Classical dance and Bollywood singing. Indian food will be available for purchase.

Holiday Book Tree
Donate to our holiday book tree on display in our atrium during November and December! For $10, you can have a name or family name placed on the spine of a book for the 2018 holiday season. All donations support the library.

We have a variety of programs and activities for all ages taking place this fall and winter at the library! Visit our website at www.fredricksenlibrary.org for a complete list of events. Be sure to follow us on social media to stay up-to-date on our happenings. Look for us on Facebook, Instagram, Twitter and Pinterest.

Fredricksen Library 100 N. 19th Street Camp Hill, PA 17011 717-761-3900



As summer winds down and the days get shorter and cooler it doesn't mean you have to give up the fun! The West Shore Rec offers many activities to:

- develop new skills
- improve health and wellness,
- decrease your stress levels,
- add joy to your life, no matter your age or ability level.



"NEW" Fall Brochure Guide includes:

- Active Wellness
- Sports
- Aquatics
- Lifelong Learning
- Destination Excursions



Celebrating 50 Years Serving the Community (1968-2018)
Download the WEST SHORE REC SMARTPHONE APP and let us know what you think!

Lower Allen Township

2233 Gettysburg Road · Camp Hill , PA 17011



Election Day is Tuesday, November 6, 2018.

Polls are open from 7:00 AM to 8:00 PM

Don't forget to vote!



2019 Newsletter Subscription Form

☐ Yes! I am enclosing $5.00 with this completed form. Sign me up today for delivery of the Township News to my mail box, for a one time payment of only $5.00 for the entire year of 2019.

Name:_____**Phone#:** _____

Address: _____



Winter 2018

TOWNSHIP NEWS

Lower Allen Township · 2233 Gettysburg Road · Camp Hill , PA 17011



Board of Commissioners

Seated L to R: Richard F. Schin, Carolyn E. Holtzman, Dean W. Villone *Standing L to R*: H. Edward Black, Jack. R. Simpson, Jr.,

Inside this issue:

Directory of Services, Calendar at a Glance, Officials in Action, Stormwater Updates	*Pages 2-3*
2019 Budget	*Pages 4-5*
Employee Milestones, Volunteers Needed, LA ALERTS	*Pages 6-7*
Penn Waste Information, 2019 Penn Waste Calendar	*Pages 8-9*
Lisburn Community Fire Company, MS4 Updates, Street Light Assessment	*Pages 10-11*
Lower Allen Authority, Vector Control, Authority News, Township History , Public Works	*Pages 12-13*
Winter Readiness	*Pages 14-15*
Bulk Items, Trash, Yard Waste, Leaf Compost, Fun Fort, LACP Dates, New Business	*Pages 16-17*
Tax Office, Ambulance Subscriptions, Fredricksen Library, West Shore Rec Commission	*Pages 18-19*

Stormwater Program Update

The Lower Allen Township Board of Commissioners heard a presentation from Arcadis, the Township's consultant, regarding the Stormwater Fee and Feasibility Study at their regular meeting on October 8, 2018. Recommendations regarding the Stormwater rate structure were discussed with the Commissioners as well as the Stormwater Management Program scope and budget.

The 5-year Stormwater Program budget is projected to be approximately 1.2 million dollars per year. Most of the money in the budget is allocated to the EPA and PADEP federally-mandated Municipal Separate Storm Sewer System (MS4) Compliance requirements. Additional budgeted funds will be spent on stormwater infrastructure maintenance, inspection and replacement as required.

The following rate structure was presented to the Commissioners: Residential properties, including vacant properties, will be billed a flat fee. Non-residential and multifamily units will be billed based upon the impervious area on the property. An Equivalent Residential Unit (ERU) was calculated to equal 3,115 SF. This number was based upon a digitized study of buildings, sidewalks, and driveways in the Township. To determine the fee per ERU, the total number of ERUs in the Township was calculated and this number was divided by the Stormwater Program costs. The quarterly stormwater fee for Lower Allen Township properties was presented to the Commissioners as $19 per ERU.

Residential and vacant properties will be billed a flat rate of $19.00 (1 ERU) per quarter. Non-residential and multifamily units will be billed based on the number of ERUs (3,115 SF) that the property has, multiplied by the rate of $19/per ERU, per quarter. The chart below illustrates fee examples:

	OWNER	SF	ERU's	QUARTERLY FEE/ERU	YEARLY FEE
1	Residential Property	Inclusive	1	$19	$76
2	School	337,092	108	$2,052	$8,208
3	Grocery Store	460,753	148	$2,812	$11,248
4	Mall	1,818,727	584	$11,096	$44,384

At the conclusion of the presentation by Arcadis, the Commissioners voted unanimously to advertise an ordinance authorizing the Stormwater Fee. Ordinance 2018-10 was enacted by the Board of Commissioners on October 22, 2018, authorizing LATSA to enact and collect stormwater fees and to provide a system for collection of the fees for *(Continued on Page 3)*

DIRECTORY OF SERVICES

Lower Allen Township
2233 Gettysburg Road • Camp Hill, PA 17011
Phone: 717-975-7575• Fax: 717-737-4182• www.latwp.org
Monday-Friday: 8:00 pm to 4:00 pm

Tax Office - Phone: 717-737-5671
Hours: Monday, Tuesday, Thursday 10:00 am - 2:00 pm

KEY STAFF	EXT #
Thomas G. Vernau, Jr., Manager	1001
Erin G. Trone, Assistant Manager and Director of Economic Development	1002
Donna Paul, Human Resources, Recycling Coordinator	1402
David L. Holl, Director of Public Safety	1601
Leon Crone, Police Captain	1515
Daniel Flint, P.E., Township Engineer and Director of Community Development	1101
Richard Grove, Finance Director	1202
Bob Nailor, Public Works Coordinator	2106
Frank Wirth, Fire Captain	1311
Dave Murdoch, Fire Chief, Lower Allen Fire Co. No. 1	1302
Frank Williamson, Fire Chief, Lisburn Community Fire	766-3994

IMPORTANT NUMBERS

Emergency Police • Fire • EMS	9-1-1 (24-hours a day)
Non-Emergency & After Hours	717-238-9676
Poison Control Center	1-800-222-1222
PPL	1-800-342-5775
UGI	1-800-962-1212
PA American Water	1-800-565-7292
Suez Water Company	1-888-844-0352
Lower Allen Sewer Authority	717-774-0610
Penn Waste (Trash & Recycling)	1-866-575-8720
Trash Complaints - call the Township	717-975-7575, ext. 1106
Cleve J. Fredrickson Library	717-761-3900
New Cumberland Public Library	717-774-7820
Joseph T. Simpson Library	717-766-0171
West Shore Recreation Commission	717-920-9515
Representative Sheryl Delozier 2929 Gettysburg Rd., Suite 6, Camp Hill, PA 17011	717-761-4665
Senator Mike Regan 1 East Harrisburg Street Dillsburg, PA 17017	717-432-1733
U.S. Representative Scott Perry	717-635-9504
U.S. Senator Robert Casey, Jr.	717-231-7540
U.S. Senator Pat Toomey	717-782-3951

CALENDAR AT A GLANCE

All meetings are held at the
Lower Allen Township Municipal Services Center
(unless otherwise noted)

JANUARY

1	New Years Day	Township Office Closed
3	Sewer Authority	7:30 pm
3	Stormwater Authority	7:30 pm
14	Board of Commissioners	7:00 pm
11-31	Tax Office	Closed
15	Planning Commission	7:00 pm
17	Zoning Hearing Board	7:00 pm
21	Development Authority	6:00 pm
23	Recreation and Parks Board	7:00 pm
28	Board of Commissioners	7:00 pm

FEBRUARY

1-28	Tax Office	Closed
7	Sewer Authority	7:30 pm
7	Stormwater Authority	7:30 pm
11	Lisburn-BINGO	Doors open at 12:00 pm
11	Board of Commissioners	7:00 pm
18	President's Day	Township Office Closed
19	Development Authority	6:00 pm
19	Planning Commission	7:00 pm
21	Zoning Hearing Board	7:00 pm
25	Board of Commissioners	7:00 pm
27	Recreation and Parks Board	7:00 pm

MARCH

7	Sewer Authority	7:30 pm
7	Stormwater Authority	7:30 pm
11	Lisburn Fire Co-Roast Turkey Dinner	11:00-2:00
11	Board of Commissioners	7:00 pm
21	Zoning Hearing Board	7:00 pm
18	Development Authority	6:00 pm
19	Planning Commission	7:00 pm
25	Board of Commissioners	7:00 pm
27	Recreation and Parks Board	7:00 pm

APRIL

5	Sewer Authority	7:30 pm
5	Stormwater Authority	7:30 pm
8	Board of Commissioners	7:00 pm
13	Easter Egg Hunt	10:00am
15	Development Authority	6:00 pm
16	Planning Commission	7:00 pm
18	Zoning Hearing Board	7:00 pm
19	Good Friday	Township Offices Closed
22	Board of Commissioners	7:00 pm
24	Recreation and Parks Board	7:00 pm
27	Gardeners Gathering	10:00am

OFFICIALS IN ACTION

The Board of Commissioners approved the following:

RESOLUTIONS

2018-R-38 *Approving the transfer of restaurant liquor license No. R-9473 into Lower Allen Township. (Adopted 10-8-18)*

2018-R-39 *Hiring Matthew K. Reynolds, Maintenance Specialist for the Public Works Department. (Adopted 10-8-18)*

2018-R-40 *Recognizing Eric Stauffer of the West Shore Rec Commission. (Adopted 10-22-18)*

2018-R-41 *Recognizing Todd Miller of the West Shore Rec Commission. (Adopted 10-22-18)*

2018-R-42 *Opposing Legislation for Statewide Collection and Distribution of the Local Earned Income Tax (EIT). (Adopted 11-13-18)*

2018-R-43 *Establishing Fees and Charges authorized by various Ordinances and Statutes for Administration of Township Business in accordance with these Ordinances and Statutes. (Adopted 12-10-18)*

2018-R-44 *Authorizing the execution of 17th-18th-State-Hummel Green Light Go program grant/reimbursement agreement with the Commonwealth of Pennsylvania, Department of Transportation. (Adopted 12-10-18)*

2018-R-45 *Authorizing the execution of Rossmoyne-Wesley Corridor Green Light Go program grant/reimbursement agreement with the Commonwealth of Pennsylvania, Department of Transportation. (Adopted 12-10-18)*

2018-R-46 *Authorizing the execution of Gettysburg-Slate Hill-Locust Project Green Light Go program grant/reimbursement agreement with the Commonwealth of Pennsylvania, Department of Transportation. (Adopted 12-10-18)*

2018-R-47 *Concluding that adequate analysis has determined that the impact to the Township's debt limits and the risk levels are acceptable relating to the Lower Allen Township Development Authority's proposed issuance of the Guaranteed project note, Series of 2019 (federally Taxable). (Adopted 12-10-18)*

ORDINANCES

2018-05 *Adding Chapter 134, Litter, to the Codified Ordinances of Lower Allen Township. (Adopted 10/22/18)*

2018-10 *Delegating Certain duties related to Stormwater Management to the Lower Allen Township Stormwater Authority. (Enacted 10-22-18)*

2018-11 *amending the existing Lower Allen Township Non-Uniformed Retirement Plan ("Plan"), in order to add defined contribution features and to comply with the Federal and Commonwealth of Pennsylvania Laws and Regulations in effect. (Enacted 11-26-18)*

2018-12 *Appropriating specific sums estimated to be required for the specific purposes of the municipal government, hereinafter set forth, during the fiscal year 2019. (Enacted 12-10-18)*

2018-13 *Fixing the Tax rates for the year 2019. (Enacted 12-10-18)*

2018-14 *Amending the codified Ordinance of Lower Allen Township, 1997, as amended, Section 32-7, dealing with compensation of the Township manager. (Enacted 12-10-18)*

2018-15 *determining to incur lease rental debt in the maximum principal amount of Fourteen Million Two Hundred Thousand Dollars ($14,200,000), to be evidenced by a Federally Taxable Guaranteed Project Note to be issued by Lower Allen Township Development Authority in connection with a certain capitol project being undertaken by said Authority, and other actions. (enacted 12-10-18).*

(continued from front page)

Stormwater Updates

payment to Lower Allen Township to maintain stormwater facilities and fund other stormwater related expenditures. At their November 1, 2018 regular meeting, LATSA unanimously approved Resolution 2018-A-01, enacting the Stormwater Fee rate of $19.00/ERU to be billed quarterly. A Stormwater Credit and Appeals Policy is being drafted currently and will be reviewed and discussed by the LATSA board at their monthly meetings.

The initial quarterly Stormwater Fee bills are projected to mailed in April 2019. If you currently receive a refuse and/or sewer bill, you will see this charge as a separate line item on your bill. If you do not receive a refuse and/or sewer bill, you will now receive a stormwater fee bill from the Township.

Arcadis's October 8, 2018, presentation is available for review on the Lower Allen Township website: http://www.latwp.org/wp-content/uploads/Lower-Allen-Stormwater-Fee-Study-Board-Presentation-8Oct2018.pdf.

Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township website (www.latwp.org) and in future issues of the Township News. If you have any questions regarding the fee, stormwater program or the Stormwater Authority, please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

2019 BUDGET

The 2019 Budget was enacted on December 10th. This article summarizes budget highlights, tax changes, the thought-process behind it all, and takes a look into what the future may hold.

General Fund operational expenditures increased for 2019 to $11,633,860 from $10,641,386 in 2018, an increase of 9.3%. The 2019 Budget shows a surplus of $188,810. In addition to operating expenditures, there is also $3,932,740 budgeted for capital projects and purchases as described below, plus various other vehicles and equipment.
Like all recent years, the lion's share of the upturn went to public safety, which increased by $1,024,144. Public works increased for the first time in several years, mostly because of one-time capital outlays. Parks and recreation spending decreased due to lower capital spending.

The largest single outlay is for a traffic roundabout at Rossmoyne and Lisburn Roads, which is fully funded through a grant. Other large capital outlays include $840,000 for an expansion to the Public Works Building, constructed in 1990, so that expensive rolling stock can be kept out of the weather(this is expected to decrease costs in the long-run); $400,000 to refurbish the Fun Fort at the Lower Allen Community Park, 57% of which will come from grants; $350,000 for computer software to improve services provided by several Township departments; $238,000 for a replacement ambulance, and $173,000 for replacement of a large dump truck.

The Federal Clean Water Act requires development and enforcement of a Municipal Separate Storm Sewer System (MS4) program. While the Township accepts this directive, it is an unfunded mandate requiring an entirely new Township department. Due to a technicality in State law, MS4 revenues must be collected by a separate municipal authority. Expenditures will be paid by the Township and reimbursed by the Authority. Township property owners will see a new $19 per quarter fee added to their sewer/refuse bill beginning in April 2019.

Those residents with streetlight service will be subject to an assessment increase. Because the Street Light Fund had built up a sizable surplus by 2012, the assessment was lowered for 2013. That excess is now depleted, and the 2019 assessment was raised from the current 44¢ and 11¢ per front foot for developed and undeveloped properties, respectively, to 55¢ and 13¾¢. All other tax rates stay as they are. (See article elsewhere in this newsletter).

Advanced Life Support (ALS) services are currently provided by an outside contractor. A 2018 study by an independent consultant suggests that hiring our own ALS staff would be financially advantageous. Three full-time paramedics were included in the 2019 Budget, along with supporting resources. The change is planned to occur midyear.

The Township revisits its long-term financial outlook every year. Township staff conjectures, after examining Board actions since the 1950s, that there has been a consistent core-motivation concisely surmised by the Township Manager as "to maximize the standard of living of Township residents and businesses. More specifically to attract incoming residents and businesses whom existing residents would value as neighbors and business partners, and where those coming in are willing to pay a relative premium for property or rent." To meet this goal a long-term prospective is essential to deliver an optimal mix of municipal services at or below market prices.

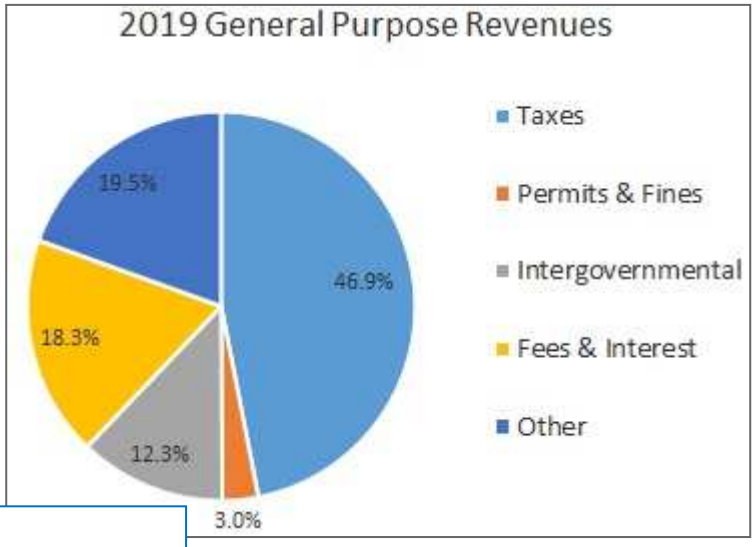
There may now be more than one core motivation, with some concern about-long-term tax rates rather than net return on services. The vote for the 2019 Budget was split 3 to 2.

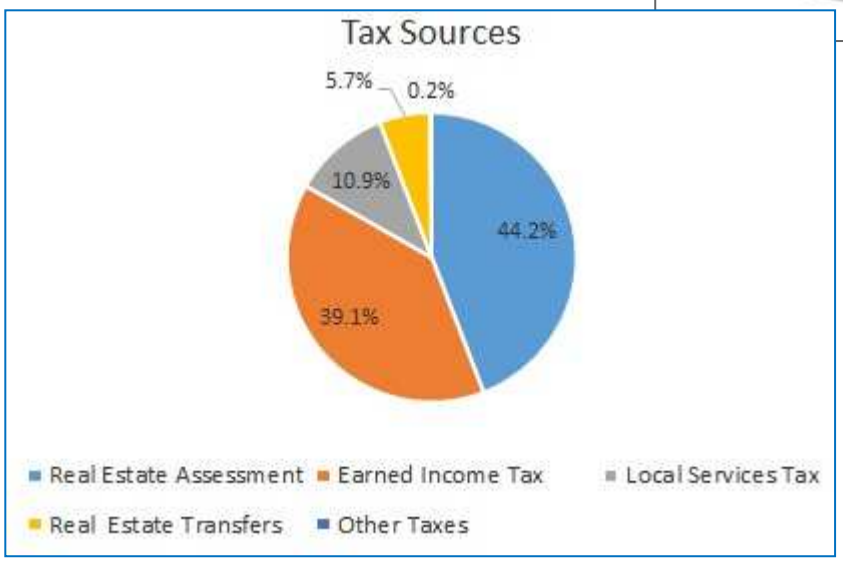
One area of concern was police staffing. The Police Department completed a study in 2018 indicating a need for four additional officers. Township management was not completely convinced of the level of urgency, so the need was presented to stand on its own merits. The Commissioners did not opine against the level of urgency, and consequently two new officers were added to the 2019 Budget, with the 3rd and 4th tentatively planned for 2020 and 2021.

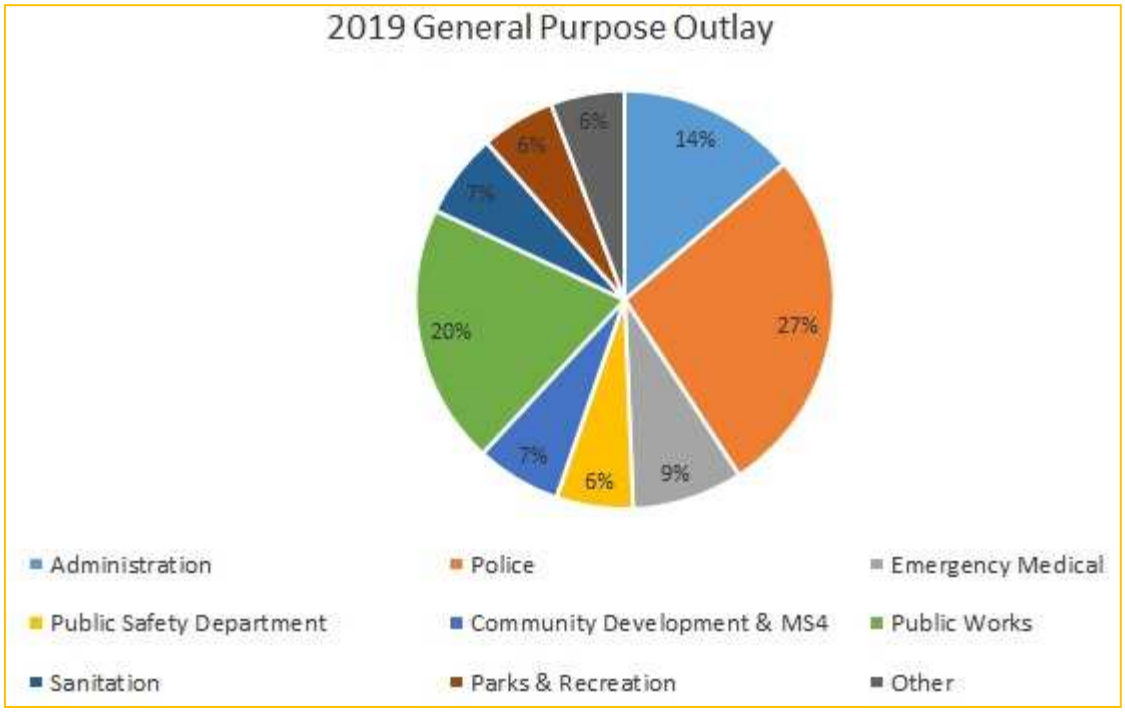
This immediate need for new officers was not anticipated when the 2018 tax increase was enacted. The increase was expected to carry the Township forward several years. Staff projected that 4 new officers will advance the need for a tax increase (or service reduction) by several years and will require three ½ mill increases over a number of years, where only two would otherwise have been needed. This change in financial plans was the main reason cited by the two dissenting voters.

2019 BUDGET

In the end, a surplus budget with no property tax increases for 2019 was enacted. An ad hoc committee study is planned for 2019 to address the burgeoning costs of public safety services.







EMPLOYEE MILESTONE • VOLUNTEERS NEEDED

TOWNSHIP EMPLOYEES REACH MILESTONE

Lower Allen Township is proud to recognize the following employees for their years of service. The employees were formally recognized at a recent Board of Commissioners meeting. All of our employees provide a valuable service to the residents and we hope you'll join us in applauding their milestones.

NAME	*YEARS/HOURS*	*STATUS*	*JOB TITLE*	*DEPT.*
Rick Stumbaugh	10 Years	part-time	Seasonal Maintenance Specialist	Parks
Dianna Knisley	20 Years	full-time	Executive Assistant	Police
Daniel Flint	20 Years	full-time	Township Engineer/PW Director	Public Works

Library Representative resigns

David Schmidt, Lower Allen's representative to the Cleve J. Frederickson Library Board since April 2017, recently resigned due to other commitments. The Township is accepting letters of interest and resumes for a new representative. Please send your letter to Township Manager, 2233 Gettysburg Road, Camp Hill PA 17011.

The Commissioners wish to thank Mr. Schmidt and his family for his enthusiastic support of the Library and his capable representation of the Township to the Library Board.

Stormwater Authority seeking applicants

The recently formed Lower Allen Township Stormwater Authority is seeking interested applicants to sit on this financing authority. The Authority's responsibility is to hold revenues raised from the soon-to-be levied stormwater fees and review funding requests from the Township related to stormwater projects and related costs. A background in stormwater management is not necessary

Volunteers Needed for New Pedestrian/Bike Committee

The Township adopted an updated Comprehensive Plan in 2018, and one of the key recommendations was to establish a new Pedestrian/Bike Committee. Following the previous Comprehensive Plan update in 2006, a similar committee was established in response to citizen concerns about connectivity and safe travel routes for non-motorized transportation. That committee worked diligently to develop a Master Plan for trails and routes throughout the Township, which lead to the construction of several trail projects. Future connections are now documented on the Township's Official Map, which gives those routes standing in future development plans.

Much has changed since the previous committee finished their work: initial projects have been constructed; new neighborhoods have been developed in the Township, and travel conditions have continued to evolve. What has not changed is the interest of citizens to improve connectivity within the community, as this was again a top concern heard throughout the Comprehensive Plan update process.

The new committee will be charged with evaluating past and current ped/bike activities, identifying and prioritizing future plans, and laying the groundwork for those plans to be implemented. If you are interested in serving on the Pedestrian/Bike committee, please contact Erin Trone, Assistant Manager/Community and Economic Development Director, at etrone@latwp.org or 717-975-7575 ext. 1002. Deadline is Tuesday January 15th, 2019.

LA ALERTS

Lower Allen Township
'Community Notification System'

In April 2017, we retired the previous system used to make community notifications for emergencies as well as general notifications of Township activities. The retired system was largely based upon landline phone numbers contained in the "White Pages" database. As landlines continued to decrease and become less reliable for immediate notifications, it became essential to shift to a mobility based system that provided for a resident's self-determination of a variety of contact options.

With the new system, referred to as "**LA ALERTS**", you will be able to add the phone numbers (landline and cell phones), email addresses, and text numbers where you wish to be contacted for various notifications. You will also be able to select groups you wish to be included in for emergency and/or routine messaging.

Subscribing is easy! Simply go the Township web page at www.latwp.org and click on "**LA Alerts**" under the Police & Public Safety News link. Here you will be able to create an account and list the phone numbers and email addresses you wish to be included as contacts. You can also then choose the level of contact and join contact groups. If you have any difficulty you can also subscribe by calling us at 717-975-7575 Ext. 1602 and we will assist you in registering. You may also choose to complete the form at the bottom of this page and mail to Lower Allen Township, 2233 Gettysburg Road, Camp Hill, PA 17011, Attn: LA ALERTS (or use the drop box near the flag pole in our parking lot).

You will no longer receive EMERGENCY or other notifications unless you subscribe to the "**LA ALERTS**" system. Do not hesitate. **Subscribe today!**

Please PRINT

I am a Lower Allen Township: ___Resident ___Business

NAME AND ADDRESS

Resident or Business Name: _____

Street Address: _____

Apartment or Suite #:_____ City: _____ Zip: _____

PHONE AND EMAIL

Phone (HOME): ( ) ____-_____

Phone (CELL): ( ) ____-_____ Circle One (TEXT or VOICE) EMAIL: _____

Phone (CELL): ( ) ____-_____ Circle One (TEXT or VOICE) EMAIL: _____

Phone (CELL): ( ) ____-_____ Circle One (TEXT or VOICE)

GROUP SUBSCRIPTIONS

I would like to subscribe to the following groups: ___ Emergency Alerts ___ Flood Plain Alerts ___ TMI Alerts

___ Leaf/Trash Pick-up ___ Weather Alerts ___Township Newsletters/Events ___ LA Business Owner/Operator

PENN WASTE INFORMATION

How to Properly Dispose of Sharp Objects



This knife immediately poked out of a plastic trash bag as soon as our team member picked it up. The knife should have been placed inside of a container or cardboard box, taped shut, and THEN placed in the plastic trash bag. **Please keep our employees' safety in mind when disposing of dangerous items!**

Fire Safety Reminder: How to Properly Dispose of Ashes



With the cooler weather of winter upon us, everyone's breaking out their fire pits and roasting s'mores! It's important to keep safety in mind when sitting around the fire and when the fire is done. Hot ashes can cause major safety issues for not only you, but for our employees as well.

Hot ashes and coals from fires can remain hot enough to start fires for many hours or even days after a fire is out. The amount of time it takes for hot ashes to cool depends on many factors, some of which include how hot the fire was, what was burning, how much un-burned fuel remains if fuel was used, etc. Please keep all of these factors in mind when disposing of hot ashes.

In order to properly dispose of the hot ashes, here are some tips to keep in mind:

- If possible, allow ashes to **cool** in the area where you had the fire for several days. These areas are designed to contain their heat safely.
- When it is time to dispose of ashes, **test** to ensure the hot ashes are cool **by placing them in a cardboard box or paper bag before disposal**. In this situation, never leave these ashes unattended until they are cool enough for disposal. If the ashes are too hot, they will begin to burn through the box or bag.
- **DO NOT dispose of hot ashes with yard waste material**. By placing ashes with yard waste, such as tree trimmings and leaves, the potential for fires increase substantially.

Please keep these tips in mind when disposing of ashes this winter.

2019 PENN WASTE CALENDAR

2019 Lower Allen Township Trash & Recycling Collection Calendar

January						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

= Yard Waste Collection

Observed holidays are noted in RED. Collection days that fall on or after the holiday will be delayed one day. EXCEPTION: If holiday falls on a Saturday or Sunday, there is no change in service prior to or after the holiday.

BASIC RESIDENTIAL GUIDELINES



- Trash, Recycling, and one bulk item must be curb side by 7:00 AM on your scheduled collection day.
- Yard Waste must not exceed 6 feet in length, 4 inches in diameter and must be bundled or placed in a Township-provided container.
- Yard Waste will be collected on the same day as trash and recycling beginning in April and continuing through November. (See Calendar Above)
- Call Penn Waste to schedule collection of appliances containing freon (air conditioners, refrigerators, freezers, etc.)
- No construction debris will be collected curb side.
- To stay up to date on collection updates, sign up for E-News Updates at www.pennwaste.com.

PENN WASTE

Creating a green community together.

www.pennwaste.com

Penn Waste Inc. • PO Box 3066 • York, PA 17402

PENN WASTE Recycling

Lisburn Community Fire Company

65th Anniversary

65 Years
Lisburn
Community
Fire Company
1954-2019

This year we are celebrating our 65th year of serving the community.

Thank you for supporting us all these years.



New Tanker is coming to Lisburn in January 2019

We purchased a new 3,000 gallon Tanker being built now in Pennsylvania. This will replace our current 1993 tanker. The new Tanker, expected to be delivered in early January costs $413,000. After a generous Lower Allen Township contribution, we applied for and obtained a $165,000 low interest loan. Because of the community's generosity, we paid off the Fire Engine loan five years early. Watch our website and Facebook page for more information on delivery of our tanker.

Thank you for your support! We can't do it without you.

MARCH 10th —TURKEY DINNER

We serve from 11:00-2:00. In addition to turkey we will be serving mashed potatoes, stuffing and gravy, corn, cranberry sauce, rolls, drinks and homemade desserts. The cost is $10.00 for adults and children 4 to 10 years are just $4.25. Hope to see you there! To go meals are available for the same price.



AUGUST 2019

	Wed	Thu	Fri	Sat
	66th Annual Lisburn FESTIVAL			
	7	8	9	10



1800 Main Street Lisburn, Mechanicsburg, PA 17055

(717) 766-3994

LisburnFire24@gmail.com—*Please note new email address*

MS4 UPDATES • STREET LIGHT ASSESSMENT

MS4 UPDATE



BEST MANAGEMENT PRACTICES (BMPs)

What are BMPs?

The primary method to control stormwater discharges is the use of Best Management Practices (BMPs). BMPs are structural, vegetative, or managerial practices used to prevent or reduce stormwater pollution. While there are many types of structural BMPs used to control stormwater, they can be classified into two broad categories: Above Ground and Below Ground. Examples of Above Ground BMPs include basins, dry ponds, wet ponds, sand filters, bioretention, rain gardens, swales, channels, etc. Below Ground BMPs are typically unseen and can include underground pipe storage systems, sand filters, infiltration trenches, storage devices, etc.

Properly Functioning BMPs are required for adequate Stormwater Management:

You, as the owner of the stormwater feature, the manager of a commercial site, or as a member of a Homeowner Association (HOA) need to understand the importance of the facility on your property and your obligation to continue its proper functioning. Proper maintenance is critical for the successful functioning of the facility.

There are different maintenance requirements that should be implemented depending on the type of BMP that is located on your property. The Lower Allen Township Website has a link to the PA DEP BMP Manual, which contains detailed maintenance requirements for specific BMP types (http://www.latwp.org/wp-content/uploads/PA-DEP-BMP-Manual.pdf). BMPs should be inspected routinely, and after all major storms, to address maintenance and repairs that may be required to maintain proper functioning of the BMP.

As a landowner of property with a BMP, your responsibility to maintain these facilities helps not only you but the whole community around you. Regular maintenance programs should be implemented and used to ensure the BMP continues to function properly. Lower Allen Township property owners who have an existing BMP on their property and an Operations and Maintenance Agreement with the Township are required to report the condition of their BMP to the Township on an annual basis. Letters are sent out annually, in December, requesting submission of the inspection reports to the Township. Please contact Rebecca Davis, MS4 Coordinator, at rdavis@latwp.org or at 717-917-7575 ext. 1010, if you have additional questions or concerns regarding a BMP located on your property and associated maintenance requirements.

Street Light Assessments

Since 1985 Lower Allen Township has had a Street Light Assessment, an annual fee charged to properties within 300 roadway feet from a street light, to pay for the electricity and maintenance of the lights. The ordinance requires that vacant lots be assessed 25% of the developed lot rate.

In 2012, the rates were decreased from 13¢ (per linear front foot) for vacant properties and 52¢ for developed properties to 11¢ and 44¢, respectively. The reason for the decrease was that significant savings began to accrue in the Street Light Fund due to electricity market shopping, and the Commissioners felt that it was time to use that surplus until it came down to a level that would meet our Fund Balance Policy, which is 15% of annual expenditures. A portion of the surplus was used to balance the Street Light Fund budget for seven years.

During 2018, the surplus fell below the recommended Fund Balance Policy level. In order to halt the reductions to fund balance and keep the Fund healthy, street light assessments were increased for 2019 to 13.75¢ per foot for vacant parcels and 55¢ per foot for developed parcels. The Street Light Assessments show up as a line item on your Township Real Estate Tax bill.

LOWER ALLEN AUTHORITY • COUNTY VECTOR CONTROL

Sanitary Sewer Service Rates for 2019

Sanitary sewer service rates will remain the same in 2019. The Authority continues to meet its customer service needs and environmental compliance goals cost effectively.

Sanitary Sewer 2019 Service Rates

- Residential $70 per quarter
- Non-Residential $70 per quarter base fee
  Plus $4.00 per 1,000 gallons per quarter

Property owners with delinquent sanitary sewer bills not on a payment plan are subject to a Water Service Shut-Off, Municipal Property Lien, District Magistrate, and Sheriff Sale collection actions.

Vector Control Weights & Measures
310 Allen Road Suite 701
Carlisle, Pennsylvania 17013
717-240-6349
717-240-7754 fax
www.ccpa.net/vector

COMMISSIONERS OF CUMBERLAND COUNTY

Vincent T. DiFilippo
Chairman
Jim Hertzler
Vice-Chairman
Gary Eichelberger
Secretary

A Note from the Cumberland County Mosquito Control Program:

Cumberland County Vector Control in Cooperation with Keep Pennsylvania Beautiful and PA Cleanways conducted a County Wide tire collection at Tower Road in Enola on September 29th, 2018. We would like to give special thank you to the Township of East Pennsboro for supplying the facility and lending personnel to help with the collection, it was greatly appreciated. Thanks to Cumberland County Recycling for lending signs and supplies for the collection. In total we collected 611 tires from 10 municipalities. The money collected will be used to cover the cost to properly recycle the rubber of the tires. This will greatly eliminate the reproduction habitat for mosquitos leading to a safer outdoor environment.







Marcus Snyder—Public Health Technician
Vector Control Weights & Measures
Cumberland County Pennsylvania
310 Allen Road Suite 701
Carlisle, PA 17013
717-240-7808 717-448-5405
mtsnyder@ccpa.net

Stop & Think Before Flushing Plastic

Plastic products flushed into the sanitary sewer system can create problems. Flushing plastic materials increases the risk of having a costly service lateral line blockage repair and requires the need for further treatment system removal. The practice of flushing small plastic products like contact lenses in the U.S. reportedly creates more than 20 tons of microplastics a year. It is projected that 1.8 to 3.36 billion lenses are flushed yearly. In the sanitary sewer system the lenses breakdown into hard to remove microplastics. Microplastics once in the environment have been found to negatively impact aquatic animals. A simple first step is to stop flushing plastic products and place them in the trash can for proper solid waste disposal.

For those of you who like local history

Does anyone remember White Hill Speedway? It was only short lived in 1938 and a portion of 1939. The track was listed as an egg-shaped, short 1/2 (4/10th) mile. The hairpin 1/2 turns were located at the Brewhouse Grille (Iron Kettle) and the long sweeping 3/4 turns were located at Fager's Plumbing Supply. The track featured sprint cars and also had motorcycle races. Otis Stine of York was credited with the track's first win.

The track was built by L.B. Smith, owned by Emanuel Bucher and managed by Elmer Norris. Norris was also one of their top drivers and a several-time winner at White Hill.

A special thanks to Chris Stover for requesting information about White Hill Speedway. This is a little known fact about Lower Allen Township. Also, thank you to Steve Bubb from Eastern Museum of Motor Racing. Steve is the librarian at the museum and provided much of the information about White Hill.

Public Works Expansion

Included in the 2019 Budget is $840,000 to expand the Public Works building by 9,120 square feet, adding 94 feet to the rear of the existing building.

The current Public Works building was constructed in 1990. At the time, our Public Works staff included 9 equipment operators/laborers and 2 mechanics. The building was designed to hold 5 dump trucks, 1 pickup truck, 5 pieces of heavy equipment, a tractor and three leaf units. Today, our public works staff includes 13 operators and 3 mechanics, and they operate 8 large dump trucks, 4 small dump trucks, 6 pickup trucks, 4 pieces of heavy equipment, 2 tractors and 4 leaf units.

Quite a bit of growth has taken place in the Township in the 28 years since the Public Works building was built, requiring additional manpower and equipment. The Public Works and Fleet Maintenance staffs have made do with their shrinking work space as more vehicles are moved in and out of the building. At least a half hour is spent every morning and afternoon moving the trucks in and out of the Fleet Maintenance work space, and those that do not fit stay outside. The tight quarters present hazards for both personnel and machines as the opportunity for injury and damage increases.

Winter weather presents another challenge as trucks cannot be parked inside with the plows attached. They are either kept outside with the plows attached, which delays road response because of snow and ice removal from the trucks, or the plows are attached outside in the snow and ice, also delaying response.

The new building addition will allow trucks to be parked indoors with the plows attached, as well as free up the Fleet Maintenance work space. It will also provide some additional storage. With his expansion, the building is expected to serve the needs of Public Works for another 25-30 years.

WINTER READINESS



Tips for Weathering the Winter

- Consider using non-toxic de-icing substances such as clean clay cat litter, sand, or fireplace/stove ash to prevent hazardous waste from chemicals. Chemical deicers can be hazardous to your pets, your trees and shrubs, and the environment. Antifreeze that leaks from car engines and chemical snow melters on driveways, roads, and runways can pollute surface waters and groundwater through the soil.
- Winterize your vehicle by checking your air filter and fluid levels, checking tires for tread wear and proper inflation, and checking the condition of your windshield wipers. Ensuring your vehicle is ready for weather changes will reduce damage, which prevents waste from broken parts, and will keep you safe on the road.
- If you have a wood-burning fireplace, save your ashes in a tin instead of throwing them away. Cold wood ashes can be mixed in your compost heap to create a valuable soil amendment that provides nutrients to your garden.
- Close the recycling loop. Many articles of clothing, such as jackets, scarves, gloves, and boots, are now made from recycled materials. Most fleece products are made from recycled plastic soda bottles, and certain clothing and shoe manufacturers use recycled cotton scraps and rubber tires to make their products.
- Winter storms often cause power outages. Prevent waste by keeping rechargeable batteries rather than disposable ones stored throughout your house with your flashlights. If you do use disposable batteries, prevent hazardous waste by buying batteries with low mercury content.
- To make sure your heating system (boiler, furnace or heat pump) is operating at its most efficient level, it is a good idea to have a contractor perform a routine check-up and any necessary maintenance on the equipment before freezing weather drives up your energy bill.

WEATHER EMERGENCIES

Weather emergencies may be declared whenever there is a forecast or accumulation of 3 or more inches of snow or when conditions are dangerous. A Snow Emergency will be declared and announced in the media giving a time (not less than 6 hours) by which **ALL VEHICLES** must be moved off all the streets.



The Public Works Department's initial priority is keeping major arteries and feeder roads open. As the emergency subsides and crews become available, the plows will clear curb to curb and move into residential areas.

Vehicles left on the street during a weather emergency are subject to being ticketed and also towed and stored at the owner's expense. Please adhere to the above regulations so emergency personnel can focus on recovery and returning life to normal in the Township.

Please contact the Police Department at 975-7575 if you have any questions or concerns.

WINTER READINESS



Winter Deicing

Winter deicing, or **de-icing**, is a common practice to manage ice and snow in cold climates by businesses and homeowners alike. Winter weather often leaves us dealing with snow and ice on our sidewalks and driveways. Currently the most common substances used for this are salts. However, the salts can be harmful for the environment; as they kill plants, ruin soils and are toxic to many species within stream **ecosystems**. Shoveling is the best form of snow and ice removal. The old standard of using sand for traction is good but must be used sparingly. The sand can clog storm drains, destroy **habitat** in streams through the increase in sedimentation in the waterways.

Homeowners do have some choices when it comes to the kinds of deicing **chemicals** but the important thing to remember is to choose carefully and use sparingly.

Removing Snow & Ice Responsibly

The increased use of salts for deicing over the last 50 years has this country currently using over ten millions tons on the roadways annually. There are alternatives to using salts even for the homeowner. Deicers are designed to loosen the ice so that it is easier to shovel. All substance options should be used sparingly to minimize the damage to waterways and the environment.

- **Shoveling**– Very effective but can be back breaking and is the least damaging to the overall environment.

Snow blower– Easier on the back. Best if used before any deicers are used so as not to throw the **chemical** on to plants.

- **Sand**– best for traction. Use sand *sparingly* as it can clog storm drains and choke waterways. Be sure to sweep up excess to minimize the amount of sand that gets into storm drains and waterways.
- **Bird seed**– another traction method and it is biodegradable, or – even better, birds will enjoy eating it in the winter months!
- **Safe Paw™**– Is not a salt but an amide/glycol mixture that is safe for the environment and is biodegradable.
- **Calcium chloride**– works at very low temperatures, and you can use less. It is also easier on vegetation than regular Rock salt (sodium chloride). This is still a salt and can be toxic to waterways. Use Properly and SPARINGLY!

Liquid deicer chemicals– For areas that experience large occurrences of snow and ice, deicing **chemicals** are necessary. The liquid deicers works best when used BEFORE a storm hits, this is called Anti-icing. A thin layer of liquid deicer applied to sidewalks and driveways prevents the formation of ice. Timing is key to minimize the wash-off potential from rain. This method requires less product than granular forms of deicers which can be more economical.



Winter Parking

The Police Department would like to remind residents about parking regulations during the upcoming winter season. Beginning December 1 through March 31 along posted streets residents may only park their vehicles on one side of the street as indicated by the street signs. The side that is permitted for parking alternates on a monthly basis. Please be sure that you are parking on the correct side of the street. Your compliance with this Ordinance allows the Public Works Department to get into the developments to quickly clear a travel lane without weaving between vehicles parked on opposite sides of the street. The following streets have odd/even signs posted:

19th Street	Elmhurst Road	Letchworth Road	Shoreham Road
20th Street	Highland Drive	Letchworth Drive	Strafford Road
Apple Drive	Kelton Road	Manchester Road	Village Road
Chatham Road	Kent Road	Norman Road	Warwick Road
Chatham Drive	Kent Drive	Oxford Drive	Wyndham Road
Cherokee Avenue	Kingsley Road		

Vehicles that are in violation of the **odd/even** parking requirements are subjected to being ticketed.

BULK ITEMS · TRASH · YARD WASTE

CHRISTMAS TREE PICK-UP

The township will be picking up Christmas trees from January 7th through the 18th on your regular trash collection day. Please make sure you remove all ornaments, garland and lights. No bagged trees will be picked up.



BULK ITEM DISPOSAL

One bulk item per week can be picked up curbside, by your trash hauler. For residents' convenience, four loads per household per calendar year can be brought to the Public Works facility. The business hours for dropping off items at Public Works is Monday – Friday between the hours of 7:00am – 3:00pm. For residents' convenience, the facility is open the second Saturday of the month 8:00am – 1:00pm, from April through November.

Bulk items - Household appliances, furniture, carpet and wooden items - (outdoor furniture, swings and landscaping timbers). Lawn mowers, snow blowers and trimmers (with all fluids removed) will also be accepted. **A $25.00 fee will be assessed for households exceeding their 4 load limit.**

Shingles, concrete, dirt, paint, tires, oil, fuel, glass, pressurized tanks, TV's and Computer Equipment WILL NOT be accepted.

Please refer to the Cumberland County website, www.copa.net, for recycling guidelines and disposal locations for electronics and hazardous materials.

CURBSIDE YARD WASTE PICK UP

The Townships' yard waste recycling program will be starting in April and will be collected by your trash hauler on your regular trash day. Yard waste collection will proceed through the last week in November. Residents may bring their yard waste directly to the Public Works facility, located at 1400 St. Johns Road, Monday through Friday, between the hours of 7:00am – 3:00pm. The second Saturday drop off will be offered starting in April and ending in November. **Lower Allen households are limited to four loads of brush (yard debris) to Public Works, per calendar year. A $25.00 fee will be assessed for households exceeding their 4 load limit.**

Landscape Contractors working at properties in the Township may haul yard waste generated at those properties to the Public Works facility when accompanied by the resident, or with prior approval. A contractor's yard waste permit is required to be purchased by contractors using the facility.



Yard waste consists of garden debris, leaves, sticks, branches and stumps (no larger than 14 inches in diameter). Grass clippings and sod are **NOT** considered yard waste and should be bagged and put out with regular garbage, or composted. Branches must be bundled with twine or string, and not exceed 6 feet in length or 4 inches in diameter. Maximum weight is 45lbs.

Yellow yard waste bins should be used for smaller manageable amounts of debris. No trash bags or garbage should be mixed in with the yard waste. Yellow yard waste bins can be picked up at the Municipal Services Center during regular business hours. Unlimited amounts of yard debris may be placed curbside, using the previously stated guidelines.

Yellow Yard Waste Recycling Containers are available at:
Municipal Services Center, 2233 Gettysburg Road, Camp Hill, PA 17011
Between the hours of 8 am and 4 pm, Monday-Friday.

Limit one per residence. Additional or replacement containers available for a $10 fee.

LEAF COMPOST · FUN FORT/LACP DATES · NEW TOWNSHIP BUSINESSES

ATTENTION: **Businesses and Organizations, let us help you get your information in front of many Township News readers.**

Price	Ad Size	# of Issues
$250.00	(3 1/2 x 2)	4
$75.00	(3 1/2 x 2)	1
$600.00	(6 1/2 x 4)	4
$175.00	(6 1/2 x 4)	1

To arrange for your ad to be published in the next quarterly issue, available in October, call 975-7575, ext. 1003 or email hgrundon@latwp.org.



Leaf Compost and Wood chips

Leaf compost and wood chips are available to Township residents year round, for self-loaded pick up at the Public Works facility. All leaf compost and wood chip deliveries will be made on Thursday and Friday mornings, starting in April, 2019.

Lower Allen Community Park Field of Dreams Fun Fort

Lower Allen Township was awarded a grant for $192,000.00 from the Department of Conservation and Natural Resources, for improvements at the Fun Fort in Lower Allen Community Park. This grant, combined with a $30,000.00 state grant, is part of $400,000.00 in the 2019 budget to replace the deteriorated section of the Fun Fort. Public Works will begin demolition this winter and construction can be started in early spring, weather permitting. The Fun Fort will be closed during that time.

PARK DATES TO REMEMBER:

Annual Easter Egg hunt – April 13, 2019 10:00am – 11:00am

Gardener's Gathering - April 27 – 10:00am – 1:00pm

These Community Events will be held at The Lower Allen Community Park. Watch for more details on the Township website at www.latwp.org or on Facebook!

If you or your organization is interested in sponsoring an event or volunteering the day of the event, please contact Wendy Hayden, at 717-975-7575 Ext. 2104



MARCH 10 Daylight Saving Time Begins

When you change your clock remember to change the batteries in your smoke alarms and carbon monoxide detectors.



NEW TOWNSHIP BUSINESS



- **Starbucks – 1106 Carlisle Road**
- **Dave & Buster's – 3503 Capital City Mall Drive**

TAX OFFICE · AMBULANCE SUBSCRIPTIONS

QUARTERLY TAX TIPS

2019 yearly dog licenses for Cumberland County will be available in the tax office on March 1st, 2019. The Pennsylvania Dog Law states that all dogs over 3 months of age are required to have a dog license. Hampden Township, New Cumberland Borough and John Gross, Treasurer of Cumberland County also sell yearly dog licenses. John Gross is the only one that sells life time dog licenses.

If you are delinquent on your 2018 Lower Allen Township/Cumberland County and/or West Shore School District real estate taxes you will be contacted by Cumberland County Tax Claim mid-February. They automatically add $15 to the tax bill and add interest February 1st along with affecting your credit and a lien goes on your property with your mortgage company. If you are delinquent on your 2018 West Shore School District per capita tax bill, you will be notified by Statewide Tax Recovery late January or early February. Once the collection agency receives your delinquent tax bill they add an additional $25 to each tax bill along with affecting your credit. If you receive a delinquency notice and you believe it was an error, please research with either a stamped paid receipt or cancelled check and provide to me and I will research it in the tax office with my records.

2019 Lower Allen Township and Cumberland County Real Estate taxes dated March 1, 2019 will be mailed on March 1st.

If you need paid receipts ($1 per copy) for your rebate and/or tax return please send a self-addressed stamped envelope with a note requesting it and a check for the number of copies and I will return the receipts to you via mail. You can email me at bmiller@latwp.org or millekbkle@gmail.com.

The Tax Office will be closed: January 11th thru March 1st, 2019

"Professional, Yet Personal…That's My Bottom Line"



Ambulance Subscription Renewals

The 2019 Ambulance Subscription Renewals were mailed out in December. Ambulance Subscriptions are good for the calendar year of 2019. The Board of Commissioners set the Subscription rates for 2019 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.



Let's Get Moving!

FREE WELLNESS WEEK IS BACK!

Acquaint yourself with many of the Active Wellness activities offered this season and "try them on for size" Try as many as you like. Pre-register.

Booty Barre – RIPPED
Pi-Yo - Hatha Flow Yoga
Insanity - Step Challenge
Gentle Yoga - Pound
Muscle Pump - Belly Dance
Kickboxing & Abs - Tabata
Zumba Toning - Pilates



Fun4Kids

Kids can learn and grow while having fun taking part in activities designed especially for them. Check out a few to Beat those Winter Blues;

Food Classes
Kinder Programs
Robotics, Engineering & Coding
Martial Arts
Tennis, Soccer
Yoga for Kids
Youth Horsemanship
Pony Prance for Tots
NEW! - Kid's Dance REFIT



WATER WORKOUT

Looking for something to keep that energy going throughout the winter? Have a go at our Water Exercise Programs and Lessons to enhance your cardio-conditioning, strength building, and flexibility;

Aqua Fit, Aquacise

Water Workout, Hydro Hike

Scuba, Diving Lessons

Swim Lessons



LET'S GO SOMEPLACE

Ellis Island & Statue of Liberty, Cape Cod Islands, Blue Angels Air Show, NYC, Philadelphia Flower Show, NY Finger Lakes, Homes & Rails in Delaware, 9/11 Memorial Museum and More!

Choose from our hand-picked selection of single day and overnight travel destinations for 2019!

50 YEARS WSRec WEST SHORE RECREATION COMMISSION

Visit ***West Shore Recreation***
www.wsrec.org or call 717-920-9515

WINTER/SPRING 2019 REGISTRATION BEGINS
January 3, *Residents (January 10, Non-Residents)*

Fredricksen Library

Cleve J Fredricksen LIBRARY & East Pennsboro Branch

Take the chill out of winter with live music at Fredricksen! On Sunday, January 13 at 1:30 pm, join us for Latin & Caribbean tunes with Los Montros. Melt those winter blues away with favorite current hits, re-arrangements of classic songs from all genres ranging from popular American love songs to classic salsa, bachata & merengue, and classic reggae standards in a way you've never heard them before!

On Saturday, February 9 at 1:30 pm we welcome Keating Jazz Orchestra's Two-Beat Dames who will be performing music from the 1920s and Dixieland! They have played all over the Central PA area and we look forward to having them in Camp Hill.

Winter Story Times for ages Birth – K begin on January 14. These six-week sessions promote literacy and provide a fun first experience at the library. Session times, days and age groups can be found on the library's website. Call to register.

There are a variety of programs and activities for all ages taking place at the library! Visit our website at www.fredricksenlibrary.org for a complete list of events. Follow us on social media to stay up-to-date on our happenings. Look for us on Facebook, Instagram, Twitter and Pinterest.

Fredricksen Library 100 N. 19th Street, Camp Hill, PA 17011 717-761-3900

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011



SNOW AND ICE REMOVAL AFTER STORMS

Please remember that there is an Ordinance that is enforced for snow removal in Lower Allen Township:

- Sidewalks must be clear of ice and/or snow within 24 hours after the precipitation stops.
- Snow shall not be thrown into the roadways when clearing sidewalks and driveways,
- Snow may not be pushed into the yards of other residents and businesses when clearing driveways , sidewalks and parking lots.

2019 Newsletter Subscription Form

Yes! I am enclosing $5.00 with this completed form. Sign me up today for delivery of the Township News to my mail box, for a one time payment of only $5.00 for the entire year of 2019.

Name:_____**Phone#:** _____

Address: _____

Verizon LTE 1:05 PM

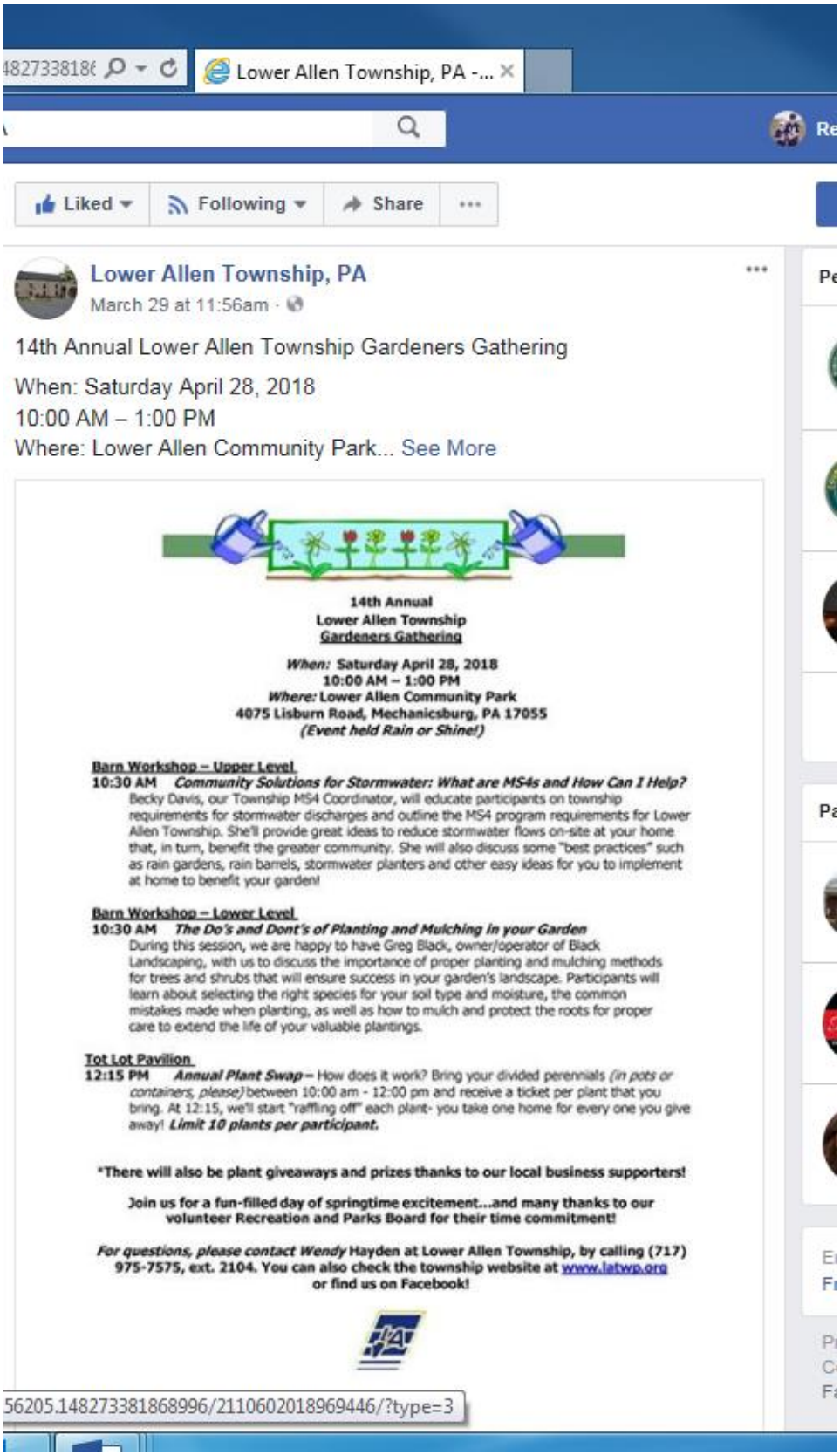
Lower Allen Township, PA

HOME ABOUT PHOTOS EVENTS VIDEOS

Lower Allen Township, PA
Wednesday at 11:31 AM ·

Stormwater Program Meeting - Lower Allen Township is issued a permit from the PaDEP to operate the Municipal Separate Storm Sewer System (MS4). As part of that permit, a presentation on the Township's Stormwater Program is made annually at an advertised public meeting. That presentation for 2018 will be held in conjunction with the regular Board of Commissioners meeting on Monday, March 12, 2018, beginning at 7:00 PM at the Township Office, 2233 Gettysburg Road, Camp Hill, Pa. The public is invited to attend and participate.





Lower Allen Township's Facebook Page – Gardner's Gathering Post 3/29/18

8/16/2018

County Hazardous Household Waste Drop off Event Posted on Township website and Facebook page

Posts



2018 Hazardous Household Waste Drop-off Event

POSTED ON AUGUST 16, 2018 / BY HELEN GRUNDON / IN TOWNSHIP NEWS

2018 Hazardous Household Waste Drop-Off Event

When:

- August 18, 2018
- 9:00am – 3:00pm (event closes promptly at 3:00pm)

Where

- Cumberland County Service Center
- 310 Allen Road, Carlisle PA 17013

What can I bring?

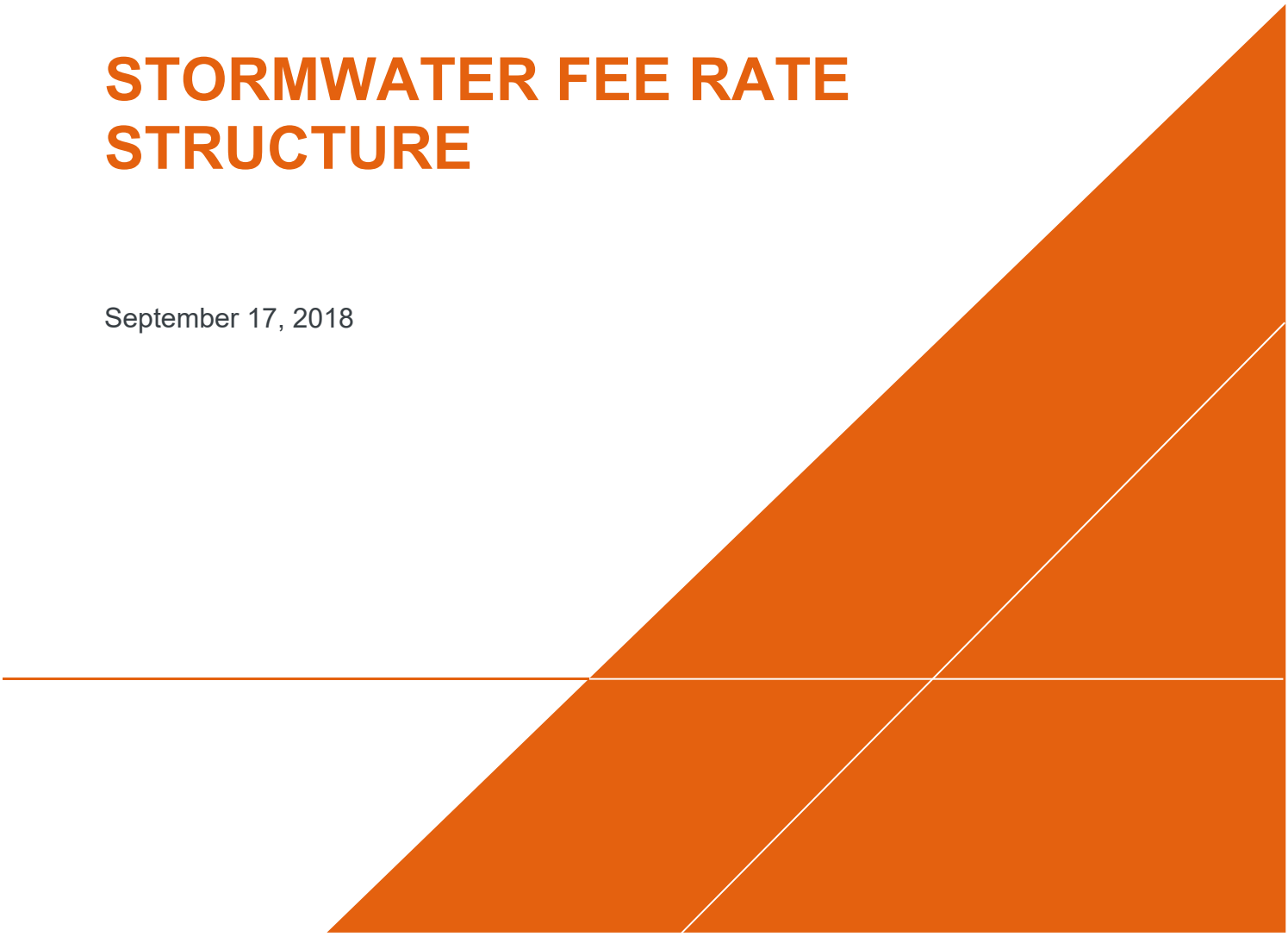
K&W DESIGNING ENVIRONMENTS

ARCADIS Design & Consultancy for natural and built assets

Lower Allen Township

STORMWATER FEE RATE STRUCTURE

September 17, 2018



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Appendix A Lower Allen Township 5 Year Stormwater Program Budget

ACRONYMS AND ABBREVIATIONS

BMPs	Best Management Practices
ERU	Equivalent Residential Units
GIS	Geographic Information System
MS4	Municipal Separate Storm Sewer System
NPDES	National Pollutant Discharge Elimination System
PIN	Parcel Identification Number
SFR	Single-Family Residential

1 PURPOSE

The purpose of this technical memorandum is to document the recommended Stormwater Fee rate structure for Lower Allen Township. The rate structure is intended to generate revenue for managing the Stormwater Management System at the selected level of service while providing a fair and equitable allocation of costs to property owners.

2 BACKGROUND

Inadequate management of Stormwater could pose significant threats to the public's health and safety. Such threats include flooding, erosion, and water quality degradation. To avoid these situations, Lower Allen Township maintains a Stormwater Management System of sewers, drains, basins, infiltration and filtration facilities, inlets, manholes, ditches, outfalls and other infrastructure to collect, convey and manage Stormwater. This System protects and preserves the Township streams and other water bodies.

In order to effectively implement a comprehensive Stormwater Management program and comply with the Township's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit, the Township has decided to assess a Stormwater Fee on all parcels within the Township.

Lower Allen Township currently bills residential and non-residential properties for sanitary sewer service on a quarterly basis. Residential customers pay a flat rate for sewer service. Some non-residential wastewater customers pay varying amounts for sanitary sewer service based on water consumption. The Township also bills residential customers for trash collection on a quarterly basis.

3 DEFINITIONS

1. BEST MANAGEMENT PRACTICES (BMPs) – Methods, procedures and analyses specified in the Pennsylvania Stormwater Best Management Practices Manual to reduce flooding potential and control the volume, flow rate and water quality of Stormwater.
2. BILLED PARCEL – Any parcel located in the Township, except Township-owned parcels and common area parcels (i.e. parcels without dwelling units) owned by homeowner associations.
3. EQUIVALENT RESIDENTIAL UNIT (ERU) – The measure of impervious ground cover for a typical single-family residential Property used in assessing the fees for each Billed Parcel, and which has been determined to be Three Thousand One Hundred Fifteen (3,115) square feet.
4. LOWER ALLEN – Lower Allen Township, Cumberland County, Pennsylvania.
5. IMPERVIOUS SURFACE – A surface that prevents the infiltration of water into the ground. Impervious surfaces (or areas) shall include, but are not limited to, roofs, additional indoor living spaces, patios, garages, storage sheds and similar structures, and any new streets and sidewalks. Any surface area proposed to initially be gravel or crushed stone shall be assumed to be impervious, unless designed as an infiltration BMP. For the purpose of this Stormwater fee

rate structure, the following are not measured as Impervious Surface: water surface area of a swimming pool and sidewalks adjacent to and parallel to public streets.

6. NON-RESIDENTIAL PROPERTIES – All Billed Parcels other than Single Family Residential Properties, including multi-family properties such as apartments and mixed-use parcels (i.e. parcels with both residential and commercial use). Non-Residential Properties also include mobile home parks, commercial, institutional, governmental and industrial parcels.
7. OWNER – Any person, firm, corporation, individual, partnership, company, association, organization, society or group owning real Property in Lower Allen.
8. PARCEL IDENTIFICATION NUMBER (PIN) – A discrete identification number for each lot, parcel, building or other structure within Lower Allen.
9. PROPERTY – Each lot, parcel, building or portion thereof, separately established by a discrete PIN by Lower Allen.
10. SINGLE FAMILY RESIDENTIAL (SFR) PROPERTIES – Billed Parcels containing single family residential homes, attached homes, townhouses, condominiums, duplexes and row homes. Billed Parcels may be classified as "SFR" despite the presence of incidental structures associated with residential uses such as garages, carports or small storage buildings. "SFR" shall not include Billed Parcels containing: (a) structures used primarily for non-residential purposes, (b) mobile homes located within mobile home parks, or (c) apartment buildings or agricultural properties. A Billed Parcel which does not contain a dwelling unit (e.g. it contains a garage, shed, driveway, parking area or other impervious area) will be classified as SFR if the parcel is zoned as a residential parcel.
11. STORMWATER – Runoff water from all precipitation events, snowmelts, and springs.
12. STORMWATER MANAGEMENT SYSTEM – The system of runoff avoidance, infiltration, collection and conveyance, including storm sewers, pipes, conduits, mains, inlets, culverts, catch basins, gutters, manholes, ditches, channels, basins and detention ponds, streets, curbs, drains and all devices, appliances and Stormwater BMPs, such as infiltration and filtration facilities, used for collecting, conducting, pumping, conveying, detaining, infiltrating, reducing, managing, avoiding the generation of, and treating Stormwater, which is owned, operated or maintained by Lower Allen Township. The proposed Stormwater Fee revenue will be used to maintain this system.

4 CLASSES OF RATE PAYERS

The classes of rate payers for Stormwater management will consist of SFR Properties and Non-Residential properties as defined above. Although condominiums are included as SFR Properties, the common areas associated with the condominiums will not receive a Stormwater Fee. Apartment buildings are included in the Non-Residential Properties grouping because they typically have less impervious area per dwelling unit than the SFR Properties and are typically rental properties.

All Billed Parcels in Lower Allen Township will be assessed a Stormwater Fee.

5 RATE STRUCTURE

The Stormwater Fee will be billed on a quarterly basis. The proposed rate structure is described below:

5.1 Single-Family Residential (SFR) Properties

The average impervious surface area per SFR property (or ERU) considering all types of SFR properties is estimated to be 3,115 square feet. Although there are variations in the amount of impervious surface among residential parcels, a Stormwater Fee consisting of a flat rate per ERU for SFR dwelling units is recommended over an individualized rate or a tiered rate system for the following reasons:

1. A flat rate structure is equitable for all SFR properties and it is easy to administer, requiring minimal cost and effort to implement and oversee compared to other billing options. This will allow more of the collected funds to be used for projects, and the operation and maintenance of the Stormwater Management System.
2. All property owners benefit from the community-wide Stormwater Management System that manages Stormwater from roads and properties.
3. A flat rate structure is least likely to be appealed for incorrect surface area or dwelling type in the database.
4. Lower Allen will have to invest a significant amount of money and time to collect additional impervious surface data for the existing geographical information system (GIS) in order to bill each residential customer for its amount of impervious surface. Because the changes to the amount of the fee would be small for the majority of residential parcels, it is not recommended to individually calculate the rates for residential parcels. A recent survey of Stormwater utilities in the United States showed that only 6% of the utilities calculate the fees individually for residential areas (67% have uniform flat rates and 28% have flat tiered rates).
5. Residential customers pay a flat rate for wastewater 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.

5.2 Non-Residential Properties

The Stormwater Fee for Non-Residential Properties will be based on the actual impervious surface area of each property and will be calculated as a whole number multiple of the ERU. The impervious surface area for each Non-Residential Property will be divided by the impervious surface area of one ERU and will be billed based on the multiple of ERUs calculated, rounded to the nearest ERU. The Stormwater Fee for Non-Residential Properties will be calculated by multiplying the number of ERUs times the flat rate per ERU. The minimum fee for all Billed Parcels will be one ERU.

Non-Residential Properties are eligible for Stormwater Fee credits as described in the Lower Allen Township Stormwater Fee Credit and Adjustment Policy (to be developed).

5.3 Stormwater Fee Rate Calculation and Stormwater Program Budget

5.3.1 ERU Calculation

The ERU is the average Impervious Area of SFR properties (includes buildings, sheds, driveway, interior walkways, patios and other impervious area within the parcel boundary). The impervious area of 18% of the SFR properties has been fully digitized and was used as a representative sample to calculate the ERU as defined in Section 5.1.

5.3.2 Estimate of Total ERUs

The total number of ERUs that will be billed is equal to the number of SFR Properties plus the number of ERUs from Non-Residential Properties plus the number of undeveloped properties, less approved credits.

Table 1 Calculation of Total ERUs

Property Type	ERUs
Single Family Residential	5,354
Single Family Residential Credits	-268 [5%]
Non-Residential/Multi-Family*	*12,458*
Non-Residential/Multi-Family Credits	-1,246 (10%)
Undeveloped/Condos under Construction	287
Total Net ERUs	**16,585**

* - Does not include 2,700 ERUs associated with the Pennsylvania Turnpike and PennDOT due to uncertainty regarding the credits that may be issued to these entities and total ERUs for which revenue may be collected.

5.3.3 Stormwater Fee Rate Calculation

The Stormwater Fee Rate is determined by calculating the total required revenues for managing the Stormwater Management System and dividing it by the total anticipated number of net ERUs. Arcadis performed a 5-year projection of revenues and expenses to establish the Stormwater Fee Rate. The Stormwater Fee Rate was calculated assuming the rate would be held constant for five years and that SFR Properties would achieve 5% approved credits on average and Non-Residential Properties would achieve 10% approved credits on average. Annual growth rates of ERUs was set to 0%. The following additional assumptions were used to calculate the Stormwater Fee Rate:

- Collection rate = 97%
- Inflation rate for all expenses = 3%

- Interest earned on cash balance = 0%
- Repair/replacement cost for sewers = $81.25/LF
- Inspection and assessment of sewers = $3.00/LF
- System Pole-camera screened annually = 50% (2019 & 2020), 20% thereafter
- System televised annually = 0% (2019), 5% thereafter
- Annual rate of Stormwater pipe renewal/replacement = 1.5% (1,600 LF) [2019-2023], may need to raise to 2.5% (5,530 LF) thereafter
- Cost of future BMP annual maintenance = 1% of capital cost
- Street cleaning level of service is unchanged.
- Leaf collection is not included.

Using these assumptions, the initial Stormwater Fee Rate was calculated to be $19.00 a quarter. Table 2 shows a 5-year projection of revenues and expenses. Table 3 and Figure 1 show a breakdown of the Stormwater Program Budget over the next 5 years. The detailed program budget can be seen in Appendix A.

Table 2 Projection of Stormwater Revenues and Expenses

	2019	2020	2021	2022	2023
ERU Rate Change	N/A	0%	0%	0%	0%
ERU Rate ($/qtr)	19.00	19.00	19.00	19.00	19.00
Net ERUs	16,585	16,585	16,585	16,585	16,585
Total Billed Revenue ($)	1,260,460	1,260,460	1,260,460	1,260,460	1,260,460
Revenue Collected ($)	1,226,175	1,226,175	1,226,175	1,226,175	1,226,175
Budgeted Expenses ($)	665,074	1,128,630	1,612,537	1,271,010	1,285,553
Net Revenue ($)	561,101	97,546	(386,362)	(44,834)	(59,378)
Year End Cash Balance ($)	**561,101**	**658,647**	**272,285**	**227,451**	**168,073**
Cash Balance (% of Annual Budget)	84%	58%	17%	18%	13%

Table 3 Projection of Stormwater Expenses

Expense Category	2019	2020	2021	2022	2023
Street Cleaning	$24,481	$25,215	$25,971	$26,751	$27,553
Operations & Maintenance	$304,724	$331,466	$321,371	$331,012	$340,942
MS4 Permit Compliance*	$185,870	$726,649	$1,234,586	$887,170	$890,198
Administration/billing	$85,000	$45,300	$30,609	$26,077	$26,860
Legacy Transaction Costs	$65,000	$0	$0	$0	$0
Total Budget	**$665,074**	**$1,128,630**	**$1,612,537**	**$1,271,010**	**$1,285,553**

* – 88% of MS4 Permit Compliance costs are associated with implementing new BMPs. This cost is anticipated to drop in 2024.

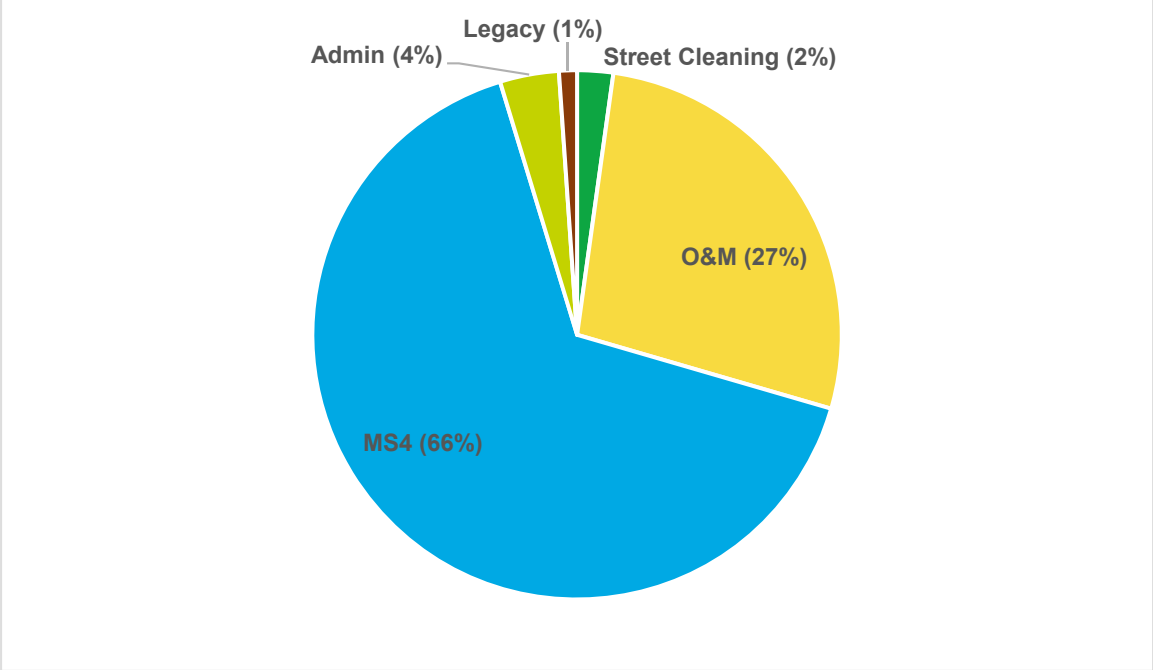


Figure 1 **Stormwater Program Budget (5-year average)**

APPENDIX A

Lower Allen Township 5 Year Stormwater Program Budget

K&W DESIGNING ENVIRONMENTS

ARCADIS Design & Consultancy for natural and built assets

Lower Allen Township Stormwater Management Budget – PRELIMINARY

Lower Allen Stormwater Program Budget - Preliminary									
Budget Category		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
LABOR									
Engineer-25%	OM	$ 32,048	$ 33,010	$ 34,000	$ 35,020	$ 36,071	$ 37,153	$ 38,267	$ 39,415
Engineering Technician-30%	OM	$ 22,622	$ 23,301	$ 24,000	$ 24,720	$ 25,462	$ 26,225	$ 27,012	$ 27,823
MS4 Coordinator-100%	MS4	$ 82,006	$ 84,466	$ 87,000	$ 89,610	$ 92,298	$ 95,067	$ 97,919	$ 100,857
Support Staff (finance, clerical)	OM	$ 23,565	$ 24,272	$ 25,000	$ 25,750	$ 26,523	$ 27,318	$ 28,138	$ 28,982
Other New Labor	OM				$ 18,889	$ 19,456	$ -	$ -	$ -
STREET CLEANING									
Street Cleaning Labor, Fuel, Sweeper Maint	SS	$ 17,000	$ 17,000	$ 17,510	$ 18,035	$ 18,576	$ 19,134	$ 19,708	$ 20,299
Street Sweepings Disposal Costs	SS	$ 12,031	$ 5,761	$ 6,000	$ 6,180	$ 6,365	$ 6,556	$ 6,753	$ 6,956
Street Cleaning Water	SS	$ 250	$ 250	$ 258	$ 265	$ 273	$ 281	$ 290	$ 299
MS4 SYSTEM O&M									
Storm Drain & MH Cleaning/Repairs	OM	$ 43,000	$ 24,000	$ 60,000	$ 61,800	$ 63,654	$ 65,564	$ 67,531	$ 69,556
Maintenance of Future BMPs	MS4				$ -	$ 3,904	$ 13,730	$ 19,565	$ 27,169
Vehicles/Equipment	OM				$ 2,000	$ 2,060	$ 2,122	$ 2,185	$ 2,251
Pole Camera Inspection Program	OM								
Seneca Ave Pump Station	OM	$ 1,414	$ 1,456	$ 1,500	$ 1,545	$ 1,591	$ 1,639	$ 1,688	$ 1,739
Stormsewer system clean, TV, assessment - Public	OM	$ -	$ -	$ -	$ -	$ 17,600	$ 18,128	$ 18,672	$ 19,232
Stormsewer system clean, TV, assessment - Easements/private	OM	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Stormsewer System Long-term Repair&Replacement-Public	OM	$ -	$ -	$ -	$ 130,000	$ 133,900	$ 137,917	$ 142,055	$ 146,316
Stormsewer System Long-term Repair&Replacement-Easements/private	OM	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other MS4 Permit Admin Costs	MS4	$ 283	$ 291	$ 300	$ 1,500	$ 1,545	$ 1,591	$ 1,639	$ 1,688
MS4 Permit Req'd BMPs Design/Permitting	MS4				$ 94,760	$ 238,490	$ 141,617	$ 184,583	$ -
MS4 Permit Req'd BMPs Construction	MS4	$ -	$ -	$ -	$ -	$ 390,411	$ 982,580	$ 583,464	$ 760,484
MISC									
Legacy Costs	Legacy				$ 65,000				
Misc Mtrls and Supplies	OM				$ 5,000	$ 5,150	$ 5,305	$ 5,464	$ 5,628
Accounting/Audit	A				$ 5,000	$ 5,150	$ 5,305	$ 5,464	$ 5,628
Legal Services	A				$ 35,000	$ 10,000	$ 5,000	$ 5,150	$ 5,305
Consulting Services	A				$ 40,000	$ 25,000	$ 15,000	$ 10,000	$ 10,300
Portion of Twp Billing Costs	A	$ -	$ -	$ -	$ 5,000	$ 5,150	$ 5,305	$ 5,464	$ 5,628
Subtotal		**$ 234,219**	**$ 213,807**	**$ 255,568**	**$ 665,074**	**$ 1,128,630**	**$ 1,612,537**	**$ 1,271,010**	**$ 1,285,553**

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LOWER ALLEN STORMWATER FEE STUDY

Presentation to Board of Commissioners

10/8/18

Meeting Agenda

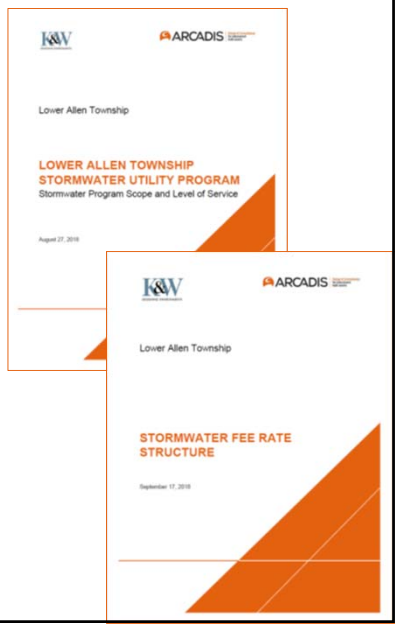
- Introduction
- Stormwater Program
- Credit Policy
- Next Steps

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Scope of Study

1. Parcel Data Evaluation
   - Digitizing Impervious Area
   - ERU Calculation
2. Develop MS4 Program Scope and Budget
3. Fee Analysis
4. Public Meetings
   - 6/11/18
   - 10/8/18



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Key MS-4 Permit Requirements

1. Map MS4, including conveyances through private property.
2. Identify and investigate potential pollution sources.
3. Prepare Chesapeake Bay PRP.
4. Implement 6 Minimum Control Measures.
5. Maintain adequate funding to implement the Stormwater Management Program

6 Minimum Control Measures

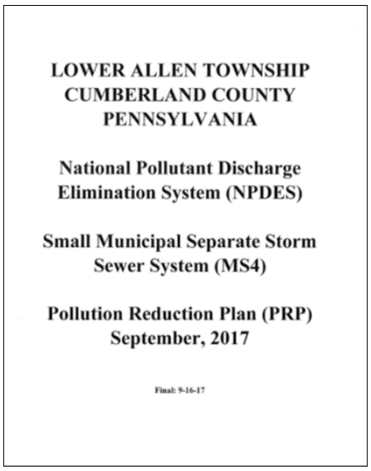
1. Public Education
2. Public Involvement
3. Illicit Discharge Detection/ Elimination
4. Construction Site Runoff Control
5. Post Construction Stormwater Management
6. Pollution Prevention / Good Housekeeping



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Chesapeake Bay Pollution Reduction Plan

- Pollutant Removals
  - TSS (10%) ~ 317,000 lb/yr
  - N (5%)
  - P (3%)
- Types of BMPs
  - Convert 10 dry detention basins to bioretention facilities
  - 4 are Twp-owned and 6 are privately owned



LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PENNSYLVANIA

National Pollutant Discharge Elimination System (NPDES)

Small Municipal Separate Storm Sewer System (MS4)

Pollution Reduction Plan (PRP)
September, 2017

Final: 9-16-17

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Stormwater Services

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- Operations & Maintenance
  - Stormwater/drainage system and BMP maintenance
  - MS4 Permit and water quality compliance
  - Review and inspection services
- Capital
  - Stormwater compliance projects
  - Drainage and watershed projects







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Level of Service

Activity	Current	
Street Sweeping	4-5 times/yr	
MH & Inlet Cleaning	Annual	
MH & Inlet Repair	Reactive repairs < 5/yr	
Pipe Inspection/ Assessment	Minimal, reactive	
Pipe Rehab	Minimal, reactive	
Flood Abatement	Limited	

* - Incudes pipes that take public road/stormwater system drainage across private property to outfall. This does NOT include private stormwater networks.

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Level of Service

Activity	Current	Target
Street Sweeping	4-5 times/yr	No change
MH & Inlet Cleaning	Annual	No change
MH & Inlet Repair	Reactive repairs < 5/yr	Rehab 19 structures/yr (2.5% system)
Pipe Inspection/ Assessment	Minimal, reactive	Pole camera screen 110,600 ft (100%) over 2 yrs; then 20%/yr. Full inspect CCTV 5,530 ft/yr (5% system), proactive
Pipe Rehab	Minimal, reactive	1,600 ft/yr (1.5% system) for 5 yrs, then 2,765 ft/yr (2.5% system)
Flood Abatement	Limited	No change

* - Incudes pipes that take public road/stormwater system drainage across private property to outfall. This does NOT include private stormwater networks.

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Level of Service – MS4

Activity	Current	Target (5-yr avg)
New BMP – Design & Construction	$0	$675,000
New BMPs – O&M	$0	$13,000
Other MS4 Permit Work (outfall inspections, public outreach, reporting)	$170,000	$186,000

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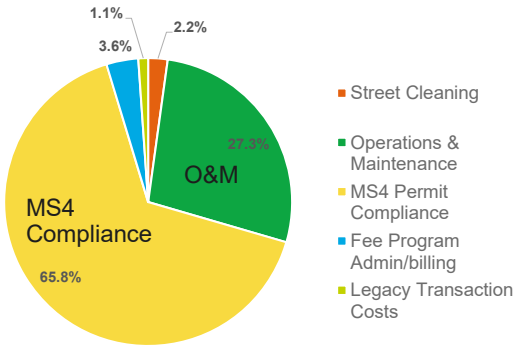
5-Year Budget

	Current					
Category	2018 Est.	2019	2020	2021	2022	2023
Street Sweeping	$23,768	$24,481	$25,215	$25,971	$26,751	$27,553
Operations & Maintenance	$144,500	$304,724	$331,466	$321,371	$331,012	$340,942
MS4 Permit Compliance[1]	$87,300	$185,870	$726,649	$1,234,586	$887,170	$890,198
Fee Program Admin/billing	$0	$85,000	$45,300	$30,609	$26,077	$26,860
Legacy Transaction Costs	$0	$65,000	$0	$0	$0	$0
Total	**$255,568**	**$665,074**	**$1,128,630**	**$1,612,537**	**$1,271,010**	**$1,285,553**

1 - 88% of MS4 Permit Compliance costs are associated with new BMPs. 2024 budget to drop based on completion of CBPRP projects.

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5-Year Budget



~$1.2M/yr

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Rate Structure

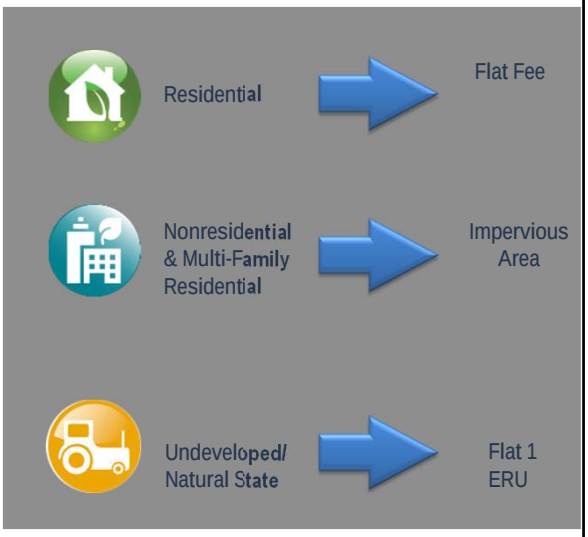
Designed to Meet Township Needs:

Keep it simple

- Accurate, fair, and defensible
- Representative of local conditions

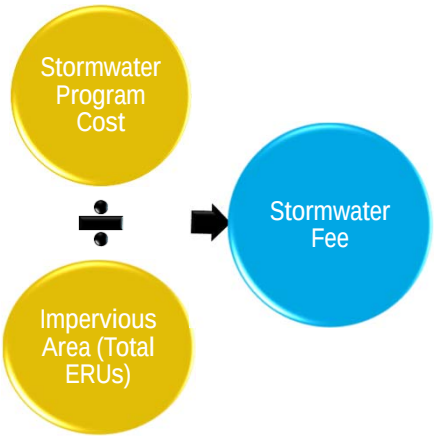
Link to benefits

- Service area
- Program
- Projects



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Rate Structure Based on *Impervious Surface Area*



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Digitizing

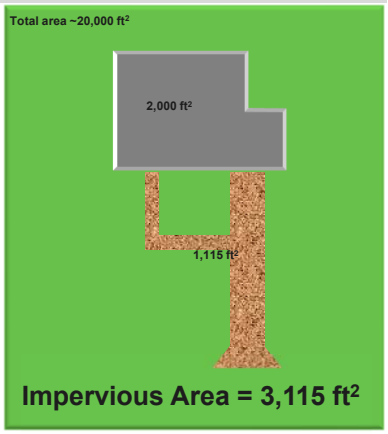
- Impervious Area digitized includes building, sidewalks and driveways
  - 18% of 5,354 Single-Family Residential
  - 100% of 526 Non-Residential/Multi-family
- Calculated ERU = **3,115 sf** of impervious area
- 10 properties have 200+ ERUs.

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Impervious Area
Typical Residence Defines the Base Unit

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Equivalent Residential Unit (ERU)



Single Family Residential

Calculated ERU = 3,115 SF

House Area

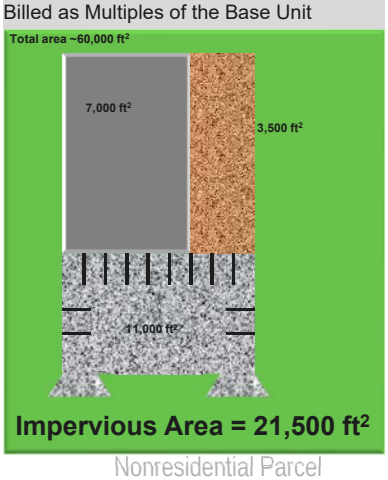
Other Impervious Area

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Impervious Area
Commercial Properties

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Billed as Multiples of the Base Unit



Nonresidential Parcel

Calculation of ERUs
21,500 sf / 3,115 sf/ERU =
6.90 = 7 ERUs

Building Area

Parking

Other Impervious Area

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ERUs - Commercial

- 526 Parcels
- # ERUs = IA / 3,115 SF
- 12,458 Gross ERUs
- Assume 10% loss to credit program
- **11,212 Net ERUs**

	OWNER	Total IA (SF)	ERUs
1	PA INDUSTRIAL SCHOOL	2,689,101	863
2	PR CC LIMITED PARTNERSHIP	1,818,727	584
3	2850 APPLETON ASSOCIATES INC	905,225	291
4	EXETER 4501 WESTPORT LLC	755,534	243
5	SKYLINE STEEL LLC	745,596	239
6	WEST SHORE AREA SCHOOL	694,297	223
7	ASBURY ATLANTIC INC	638,996	205
8	CHRISTIAN LIFE ASSEMBLY OF GOD	636,025	204
9	YETTER COURT ENTERPRISES LLC	606,022	195
10	ARMERACH L P	536,864	172
11	ASBURY ATLANTIC INC	493,803	159
12	WEIS MARKET INCORPORATED	460,753	148
13	LISBURN DEVCO I LP	460,149	148
14	LFGC, INCORPORATED	453,451	146
15	PA BUSINESS CENTER LP	419,836	135
16	ASBURY ATLANTIC INC	416,617	134
17	PENNSYLVANIA POWER & LIGHT	413,635	133
18	ROMAN CATHOLIC DIOCESE OF TR	411,390	132
19	SMITH LAND & IMPROVEMENT CORP	390,201	125
20	LOWER ALLEN BUS CNTR LP	381,447	122
21	WARRELL CORPORATION	377,507	121
22	VITRAN PENNSYLVANIA LLC	351,689	113
23	AMSI INVESTORS	349,944	112
24	ALSTORES REALTY CORPORATION	337,152	108
25	WEST SHORE AREA SCHOOL	337,092	108

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PennDOT and PA Turnpike are not included in table.

ERUs – Residential

- **Flat rate** fee structure for all parcels was selected because:
  - Easy to administer, requiring minimal cost and effort to implement and oversee
  - Fewest anticipated appeals
  - Individually measured impervious area and custom invoices would require significant money and time to implement
  - Residential customers pay a flat rate for wastewater and trash service. Stormwater fee will be a consistent approach.
  - Easy to explain

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Residential ERUs

- 5,354 Parcels = 5,354 Gross ERUs
- Assume 5% of Gross ERUs to be lost to a credit program
- **5,086 Net ERUs**





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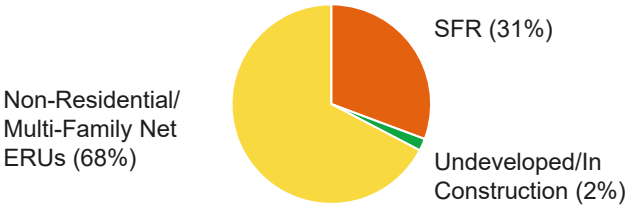
ERUs – Undeveloped

- ~287 Parcels Undeveloped or Under Construction
- Fee is 1 ERU flat charge since all properties produce some runoff and simpler and less effort to administer than a fee structure proportionate to IA and Total Area.
- **287 ERUs**

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Total ERUs Estimate

Category	# ERUs
SFR	5,354
SFR Credits	-268 [5%]
Non-Residential/ Multi-Family	12,458
NR/MF Credits	-1,246 [10%]
Undeveloped	287
Total	16,585



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Rate and Cash Flow Projection

	2019	2020	2021	2022	2023
ERU Rate Change	N/A	0%	0%	0%	0%
ERU Rate ($/qtr)	19.00	19.00	19.00	19.00	19.00
Net ERUs	16,585	16,585	16,585	16,585	16,585
Total Billed Revenue ($)	1,260,460	1,260,460	1,260,460	1,260,460	1,260,460
Revenue Collected ($)	1,226,175	1,226,175	1,226,175	1,226,175	1,226,175
Budgeted Expenses ($)	665,074	1,128,630	1,612,537	1,271,010	1,285,553
Net Revenue ($)	561,101	97,546	(386,362)	(44,834)	(59,378)
Year End Cash Balance ($)	**561,101**	**658,647**	**272,285**	**227,451**	**168,073**
Cash Balance (% of Annual Budget)	84%	58%	17%	18%	13%

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Stormwater Fee

Quarterly fees for various properties could be:

	Residential	Gas Station	Church	Box Store
ERUs	1	6	40	150
Stormwater Fee	$19	$114	$760	$2,850

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Residential Stormwater Utility Charges for Other Municipalities in Pennsylvania

Chambersburg - $12/quarter (**revisiting in 2019**)
Hampden $13.25/quarter
Lancaster - $19.35/quarter for 2,001-3,000 SF IA (tiered on IA)*
Meadville - $22.50/quarter
Highspire Borough - $22.50/quarter
Mount Lebanon - $24/quarter
Radnor - $7.25 to $29/quarter (tiered on total area)
Derry Twp – $19.50/quarter for 3,000-4,999 SF of IA (tiered on IA)**
Williamsport – Exploring $14.10/quarter
Swatara Twp - $15/quarter (flat)
Lower Allen - $19.00/quarter (flat)

* - For properties with greater than 3,000 SF of impervious area charge is proportional to impervious area.
** - 500-2,999 SF is $9.75/qtr.

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Credits

- Encourage private development of Best Management Practices that will help meet MS4 permit requirements
- Account for varying levels of onsite stormwater management
- Capped at an annual maximum of 50%
- O&M agreements and periodic inspection reports required
- No application fee
- Details and policy to be developed.
- Will monitor and adjust policy over time





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Next Steps

1. Develop Credit & Appeals Policy
2. Deliver GIS Database to LAT for use in billing setup
3. Pass Rate Resolution/Ordinance
4. Update billing system and issue invoices

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Questions?

Rebecca Davis, MS4 Coordinator
rdavis@latwp.org
717-975-7575 ext. 1010

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K&W DESIGNING ENVIRONMENTS

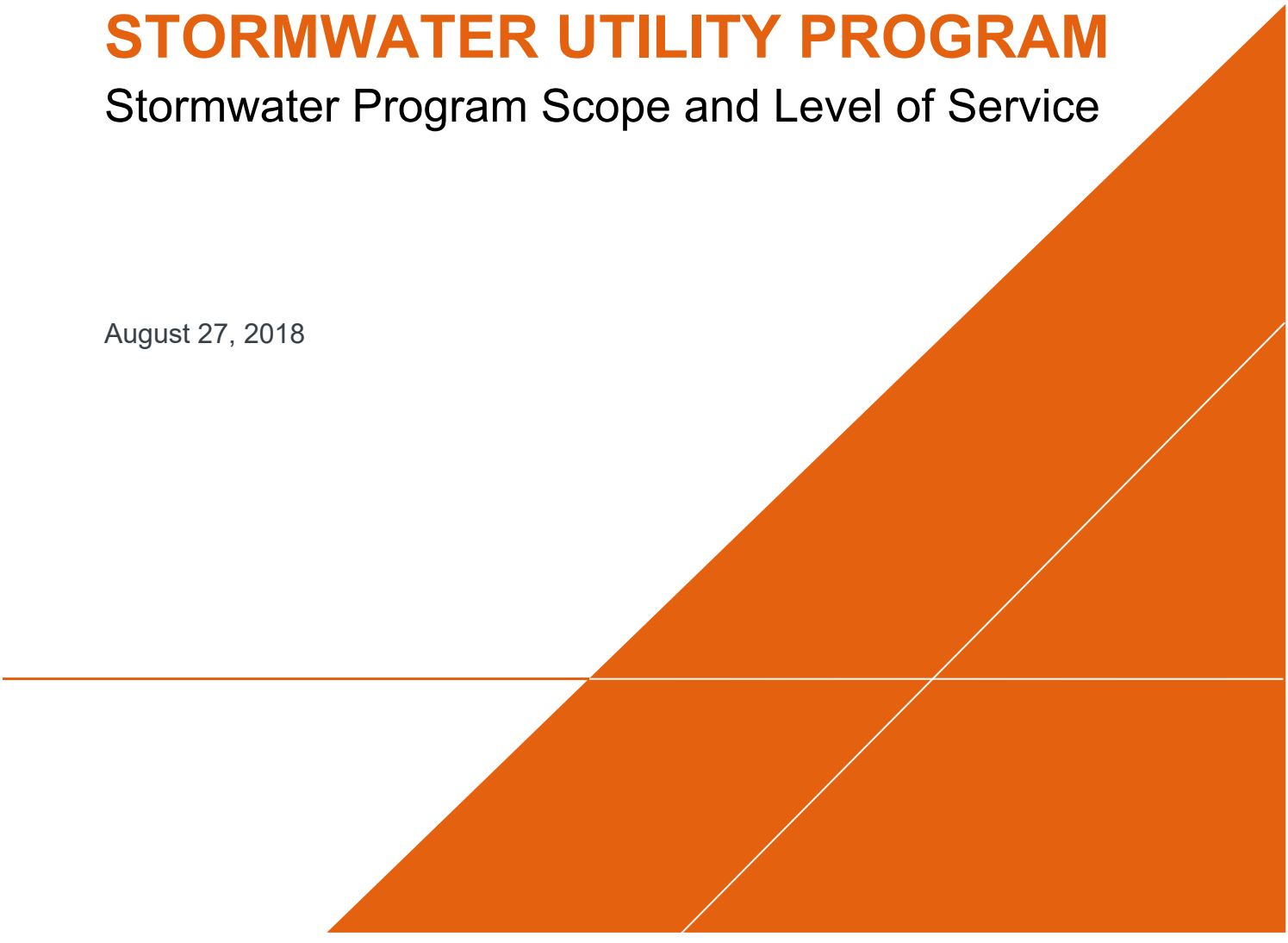
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Lower Allen Township

LOWER ALLEN TOWNSHIP STORMWATER UTILITY PROGRAM

Stormwater Program Scope and Level of Service

August 27, 2018



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2 Existing Stormwater System 1
3 MS4 Permit Program Scope 2
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APPENDICES

A. Lower Allen Township Stormwater Program Budget

1 BACKGROUND AND PURPOSE

The Federal Phase II Stormwater regulation, 40 CFR Part 122 requires all small municipal separate storm sewer systems (MS4) to apply for a permit under the National Pollutant Discharge Elimination System (NPDES) for discharges from its storm sewer system. State regulations incorporating these federal requirements by reference (25 Pa. Code § 92a.3) issue permits to discharge stormwater into surface waters of the Commonwealth of Pennsylvania. The permit also mandates that each municipality develop and enforce a Chesapeake Bay Pollutant Reduction Plan (CBPRP) for all areas that drain to receiving waters flowing to the Chesapeake Bay.

Lower Allen Township (LAT) filed its Notice of Intent (NOI) on September 13, 2017. By doing so, LAT is authorized to continue discharging stormwater under their General Permit, subject to the terms and conditions of the "reissued" NPDES PAG-13 General Permit for Stormwater Discharges from Small MS4s, which became effective March 16, 2018. The administration and management of this permit and operation and maintenance of the MS4 system is currently funded by LAT through its general fund.

The purpose of this document is to describe the current Level of Service (LOS) which is being carried out by LAT. This level of service is defined as a set of standards and services that a community can expect from its stormwater management program.

This document will define the scope and budgetary requirements for LAT's stormwater program to facilitate compliance with the MS4 permit and CBPRP, and for adequate maintenance of the stormwater system.

2 EXISTING STORMWATER SYSTEM

LAT operates and maintains an MS4 that contains approximately 110,600 LF of stormwater pipes, 634 inlets, 111 manholes, 89 outfalls, 1 stormwater pump station, and 21 BMPs. The BMPs are located across 13 residential and Township properties and consist of various types of BMPs as shown in Table 1 below.

Table 1. Best Management Practices

Type of BMP	Quantity
Grass swale	3
Riparian Buffer	3
Porous pavement trail/parking	2
SWM Basin	4
Rock Filter outlet	2

Type of BMP	Quantity
Rain garden	2
Porous concrete parking	1
Infiltration trench	1
Residential basins	3

LAT has estimated that 80% of the existing stormwater pipes were constructed of corrugated metal pipe (CMP) and approximately half of the pipes are at least 50 years old. CMP at this age is often approaching the end of its useful life as corrosion begins to eat through the pipe, especially at the pipe invert. As CMP fails it can create sinkholes that require repairs to roadways. LAT has approximately 60 miles of Township roads. As part of the stormwater program LAT performs street sweeping 4 to 5 times per year and sweeps approximately 660 curb-miles of Township roads annually.

3 MS4 PERMIT PROGRAM SCOPE

The following is a summary of some of the significant changes made to the “reissued” PAG-13 General Permit:

1. Development of an ordinance that is consistent with the Department's Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2022.
2. The operation and maintenance program for municipal operations must include controls for solid chemical products stored and utilized for the purpose of deicing roadways consistent with the best management practices (BMPs) for salt storage and distribution sites contained in the PAG-03 NPDES General Permit for Stormwater Discharges Associated with Industrial Activity.
3. Maps must show the entire storm sewer collection system, which include conveyances or BMPs on privately-owned property if stormwater from the MS4 flows onto or through the property.
4. Appendices A, B and C of the General Permit (Pollutant Control Measures for impaired waters) includes development of Maps and Inventory, investigations of suspected sources, and efforts to eliminate the sources of Pollutants.
5. Appendix D of the General Permit (PRP for Chesapeake Bay) includes a minimum required reduction for Total Nitrogen, Sediment, and Total Phosphorus.
6. Appendix E of the final General Permit (PRP for impaired waters) includes a minimum required reduction for Total Nitrogen, Sediment, and Total Phosphorus.
7. The fee for coverage under PAG-13 is $500 per year to be submitted at the time each Annual MS4 Status Report is due.

The above new requirements are in addition to the ongoing Monitoring, Reporting, and Record Keeping necessary to comply with previous General Permits, including the Special Conditions of the Stormwater Management Program (SWMP) wherein the Six Minimum Control Measures (MCMs) must be implemented. The six MCMs each include a number of BMPs. A summary of the MCMs and BMPs is as follows:

3.1 MCM #1: Public Education and Outreach

1. BMP #1: Develop, implement and maintain a written Public Education and Outreach Program.
2. BMP #2: Develop and maintain lists of target audience groups that are present within the areas served by the permittee's regulated small MS4. In most communities, the target audiences shall include residents, businesses (including commercial, industrial and retailers), developers, schools, and municipal employees.
3. BMP #3: The permittee shall annually publish at least one issue of a newsletter, a pamphlet, a flyer, or a website that includes general stormwater educational information, a description of the permittee's SWMP, and/or information about the permittee's stormwater management activities. The list of publications and the content of the publications must be reviewed and updated at least once during each year of permit coverage. Publications should include a list of references (or links) to refer the reader to additional information (e.g., DEP and EPA stormwater websites, and any other sources that will be helpful to readers). The permittee must implement at least one of the following alternatives: Publish and distribute in printed form a newsletter, a pamphlet or a flyer containing information consistent with this BMP. Publish educational and informational items including links to DEP's and EPA's stormwater websites on the permittee's website. The permittee's publications shall contain stormwater educational information that addresses one or more of the six MCMs.
4. BMP #4: Distribute stormwater educational materials and/or information to the target audiences using a variety of distribution methods, including but not limited to: displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements (e.g., at bus and train stops/stations), bill stuffers, presentations, conferences, meetings, fact sheets, giveaways, and storm drain stenciling.

3.2 MCM #2: Public Involvement / Participation

1. BMP #1: Develop, implement and maintain a written Public Involvement and Participation Program (PIPP) which describes various types of possible participation activities and describes methods of encouraging the public's involvement and of soliciting the public's input. The PIPP shall include, at a minimum:
    a. Opportunities for the public to participate in the decision-making processes associated with the development, implementation, and update of programs and activities related to this General Permit.

b. Methods of routine communication to groups such as watershed associations, environmental advisory committees, and other environmental organizations that operate within proximity to the permittee's regulated small MS4s or surface waters receiving the permittee's discharges.

c. Making Annual MS4 Status Reports and all other plans, programs, maps, and reports required by this General Permit available to the public on the permittee's website, at the permittee's office(s), or by mail upon request.

2. BMP #2: The permittee shall advertise to the public and solicit public input on the following documents prior to adoption or submission to DEP:

   a. Stormwater Management Ordinances (for municipalities); and

   b. Pollutant Reduction Plans (PRPs), including modifications thereto.

3. BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods. This shall include an effort to solicit public reporting of suspected illicit discharges. Assist the public in their efforts to help implement the SWMP.

   a. The permittee shall solicit public involvement and participation from target audience groups on the implementation of the SWMP. The solicitation can take the form of public meetings or other events. The public shall be given notice in advance of each meeting or event. During the meetings or events, the permittee should present a summary of progress, activities, and accomplishments with implementation of the SWMP, and the permittee should provide opportunities for the public to provide feedback and input. The presentation can be made at specific MS4 events or during any other public meeting. Existing permittees shall conduct at least one public meeting that includes information on SWMP implementation by March 15, 2023.

   b. The permittee shall document and report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed organizations and conservation organizations; and similar instances of participation or coordination with organizations in the community.

   c. The permittee shall also document and 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 organized implementation efforts such as cleanups, monitoring, storm drain stenciling, or others.

3.3 MCM #3: Illicit Discharge Detection and Elimination (IDD&E)

1. BMP #1: 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:

   a. 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 a history of water pollution problems.

   b. 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.

c. Procedures for identifying the source of an illicit discharge when a contaminated flow is detected at a regulated small MS4 outfall.

d. Procedures for eliminating an illicit discharge.

e. 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.

f. 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.

g. 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.

h. Procedures for addressing information or complaints received from the public.

2. 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).

3. 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.

4. 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 the General Permit.

   a. 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 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.

   b. 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 the General Permit.

c. 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 the 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.

d. The permittee shall summarize the results of outfall inspections and actions taken to remove or correct illicit discharges in Annual MS4 Status Reports.

e. 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.

f. Permittees must ensure that outfalls are properly maintained in accordance with Part C I.B.6.b of the General Permit.

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

   a. Municipal permittees shall submit a copy of an ordinance that is consistent with DEP’s 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2022.

6. 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.

   a. 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. 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.

b. 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.

3.4 MCM #4: Construction Site Stormwater Runoff Control

Permittees with coverage under the PAG-13 General Permit must rely on DEP's program for issuing NPDES permits for stormwater discharges associated with construction activities to satisfy MCM #4. In addition to relying on the state NPDES permit program for stormwater discharges associated with construction activities, the permittee shall implement the BMPs identified below:

1. 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.
2. BMP #2: A municipality which issues building or other permits shall notify DEP or the applicable county conservation district (CCD) within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.
3. BMP #3: Enact, implement and enforce an ordinance to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable. Municipal permittees shall enact, implement, and enforce an ordinance to require the implementation of E&S control BMPs, including sanctions for non-compliance. All municipal permittees shall submit a copy of an ordinance that is consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2022.

3.5 MCM #5: Post-Construction Stormwater Management (PCSM) in New Development and Redevelopment

Permittees with coverage under the PAG-13 General Permit must rely on DEP's program for issuing NPDES permits for stormwater discharges associated with construction activities to satisfy MCM #5. In addition to relying on the state NPDES permit program for stormwater discharges associated with construction activities, the permittee shall implement the BMPs identified below:

1. BMP #1: Enact, implement and enforce an ordinance to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.
    a. Municipal permittees shall enact, implement, and enforce an ordinance to require the implementation of PCSM BMPs, including sanctions for non-compliance. All municipal permittees shall submit a copy of an ordinance that is consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) as an attachment to an Annual MS4 Status Report by September 30, 2022.

2. 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. Guidance on implementing LID practices may be found on DEP's MS4 website, www.dep.pa.gov/MS4. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices. Submission of an ordinance that is consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) will satisfy this BMP.
3. 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.

   An inventory of PCSM BMPs shall be continually updated during the term of coverage under the General Permit as development projects are reviewed, approved, and constructed. The permittee must track the following information in its PCSM BMP inventory:

   a. All PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003.
   b. The exact location of the PCSM BMP (e.g., latitude and longitude, with street address).
   c. Information (e.g., name, address, phone number(s)) for BMP owners and entities responsible for BMP O&M, if different from BMP owners.
   d. The type of BMP and the year it was installed.
   e. Maintenance required for the BMP type according to the Pennsylvania Stormwater BMP Manual or other manuals and resources.
   f. The actual inspection/maintenance activities conducted for each BMP.
   g. An assessment by the permittee if proper O&M has occurred during the year and if not, what actions the permittee has taken, or shall take, to address compliance with O&M requirements.

3.6 MCM #6: Pollution Prevention / Good Housekeeping

The permittee must develop and implement an O&M program that includes a training component and has the goal of preventing and reducing pollutant runoff from operations, facilities and activities under the control of the permittee (collectively, "operations"). The program must include employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

1. 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 regulated small MS4. This includes activities conducted by contractors for the permittee. Activities may include the following: street sweeping; snow removal/deicing; inlet/outfall cleaning; lawn/grounds care; general storm sewer system inspections and maintenance/repairs; park and open space maintenance; municipal building maintenance; new construction and land disturbances; right-of-way maintenance; vehicle operation, fueling, washing and maintenance; and material transfer operations, including leaf/yard debris pickup

and disposal procedures. Facilities can include streets; roads; highways; parking lots and other large paved surfaces; maintenance and storage yards; waste transfer stations; parks; fleet or maintenance shops; wastewater treatment plants; stormwater conveyances (open and closed pipe); riparian buffers; and stormwater storage or treatment units (e.g., basins, infiltration/filtering structures, constructed wetlands, etc.).

2. BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the regulated small MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4. The written O&M program shall stress pollution prevention and good housekeeping measures, contain site-specific information, and include the following:

    a. Management practices, policies, and procedures shall be developed and implemented to reduce or prevent the discharge of pollutants to the regulated small MS4s. The permittee shall consider eliminating maintenance area discharges from floor drains and other drains if they have the potential to discharge to storm sewers.

    b. Maintenance activities, maintenance schedules, and inspection procedures to reduce the potential for pollutants to reach the regulated small MS4s.

    c. Controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, salt / sand (anti-skid) storage locations and snow disposal areas. Controls for solid chemical products stored and utilized for the principal purpose of deicing roadways for public safety must be consistent with the BMPs for existing salt storage and distribution sites contained in the PAG-03 NPDES General Permit for Stormwater Discharges Associated with Industrial Activity.

    d. Procedures for the proper disposal of waste, including dredge spoil, accumulated sediments, trash, household hazardous waste, used motor oil, street sweepings, and other debris.

3. 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. The program may be developed and implemented using guidance and training materials that are available from federal, state or local agencies, or other organizations. All relevant employees and contractors shall receive training (i.e., public works staff, building, zoning, and code enforcement staff, engineering staff, police and fire responders, etc.). Training topics shall include operation, inspection, maintenance and repair activities associated with any of the operations identified under BMP #1. Training must cover all relevant parts of the permittee's overall stormwater management program that could affect operations, such as illicit discharge detection and elimination, construction sites, and ordinance requirements.

    a. Employee training shall occur at least annually and shall be documented in writing and reported in Annual MS4 Status Reports. Documentation shall include the date(s) of the training, the names.

4 STORMWATER SYSTEM OPERATION AND MAINTENANCE

LAT operates and maintains the MS4 system under the direction of the Public Works Director/Township Engineer and MS4 Coordinator, using staff from its Public Works Department and supported by an engineering technician.

There is currently no formal proactive inspection or cleaning program for the MS4 pipes; most pipe maintenance activities are reactive in nature. A proactive program is recommended going forward with 50% of the pipes screened via a pole-camera during each of the first two years of the program followed by 20% annually thereafter. It is assumed that 5% of the pipes will require cleaning or a more thorough television inspection annually. LAT currently performs sewer repairs infrequently, but with a short-term goal of repairing about 1,600 LF of pipe annually (i.e. 1.5% of the system annually). This rate of sewer repairs is budgeted through 2023. LAT anticipates completing construction of new BMPs required by the CBPRP in 2024 at which time revenues can be diverted to additional pipe repairs if required. The increased level of system inspection will better inform the true system repair needs such that the long-term stormwater revenue required for pipe repairs can be well defined by the time the BMP construction activities are completed.

Approximately 120 inlets are inspected and cleaned annually per an agreement with PennDOT. Other Township inlets are cleaned and repaired on a reactive basis. It is recommended that inlets be inspected as part of the pole-camera inspection for pipes.

LAT inspects approximately 20% of the outfalls annually to look for illicit discharges and to document physical condition of the outfalls. No change is proposed to this program.

LAT performs BMP maintenance and inspections as reported in its MS4 annual report. An expanded maintenance program will be required as new BMPs are constructed and put into operation.

LAT staff maintain one small stormwater pump station that requires annual cleaning. No change is recommended related to this pump station operation and maintenance (pump station condition or functionality was not evaluated).

Street sweeping of LAT roads is performed 4 to 5 times per year. No change is proposed to the street sweeping program since enhanced street sweeping was not included as a BMP as part of the CBPRP.

LAT maintains a GIS that includes locations of the MS4 assets, but there are some discrepancies in the data that LAT intends to address using the assistance of a summer intern in 2018. Pipe lengths are included in the GIS, but diameter, material, age and depth information are not stored in the GIS. As data becomes available we recommend updating the GIS to include more information regarding the MS4 system (e.g. pipe material and diameter) as it will aid in future planning and budgeting activities.

LAT conducts public education and involvement through public meetings, website and Facebook page updates, pamphlets, newspaper ads, and newsletter articles. No change is recommended to this program.

5 STORMWATER FEE PROGRAM ADMINISTRATION

LAT intends to issue stormwater fees on existing quarterly sewer and trash bills. Most developed parcels in LAT currently receive a bill from the Township so there should be only a small number of new customers to invoice. LAT issues 6,689 quarterly utility bills. Some parcels may currently receive more than one utility bill where LAT has agreed to provide tenant billing. In GIS there are an estimated 5,354 residential developed parcels (including 592 condos), 526 non-residential/multi-family developed parcels and 287 parcels that are undeveloped or condos under construction. Each parcel will receive a stormwater bill so there will be an estimated 6,167 stormwater fee bills issued quarterly assuming no direct billing of tenants by LAT.

LAT will need to update its billing database to include stormwater fee and credit information such that customers receive the correct invoice amount. This database will need to be updated as construction activities are conducted in LAT that change the impervious area associated with multi-family and non-residential properties. Furthermore, as properties are subdivided or change ownership the stormwater database will need to be updated.

Based on the size of the program, we would anticipate receiving nearly 100 inquiries during the first year of the program; in the form of either a credit application or an appeal to the amount of impervious surface on their property. On average it is anticipated that the MS4 coordinator will spend 4 hours per inquiry in the first year of the program. After the first year, it is anticipated that inquiries will be significantly reduced to approximately 10 per year.

LAT will also need to establish the budget for the stormwater program, monitor collection of receivables, evaluate and set stormwater rates, review credit applications and stormwater fee inquiries, and periodically evaluate and update its stormwater fee credit policy.

Based on the level of effort described above, it is anticipated that the MS4 coordinator may need the assistance of a consultant during the first year; in order to adequately address the volume of work imposed and still be responsive to the property owners in the Township.

6 STORMWATER BUDGET

In 2018, it is estimated that LAT will spend approximately $255,000 for the operation and maintenance of the stormwater system. Table 2 provides a breakdown of the existing stormwater program budget.

Table 2. Lower Allen 2018 Stormwater Program Anticipated Costs

Program Element	Anticipated Cost
Labor (Engineer 25%; Eng Tech 30%; MS4 Coordinator 100%; Support Staff - $25k/yr)	$170,000
Street Sweeping	$23,800

Program Element	Anticipated Cost
Storm Drain & MH Cleaning/Repairs	$60,000
Seneca Ave PS O&M	$1,500
Stormwater Pipe Repair & Replacement	$0
Printing & Advertising	$300
Total	**$255,600**

LAT recognizes that the existing budget is insufficient to meet the growing requirements of the stormwater program. In particular, the CBPRP requires the design, construction and maintenance of BMPs which will require a substantial investment from LAT. Furthermore, the existing stormwater conveyance system is aging and will require an increased level of inspection and rehabilitation in future years. In order to comply with the MS4 permit requirements and provide an appropriate level of service to the LAT customers, LAT has determined that an additional source of revenue should be secured in the form of a stormwater fee that applies to all parcels. A proposed budget for the stormwater program for 2019-2023 is included as Appendix A and a high-level summary of the proposed budget is presented below in Table 3.

Table 3. Stormwater Program Budget Projection

Category	2018 Est.	2019	2020	2021	2022	2023
Street Sweeping	$23,768	$24,481	$25,215	$25,971	$26,751	$27,553
Operations & Maintenance	$144,500	$304,724	$331,466	$321,371	$331,012	$340,942
MS4 Permit Compliance[1]	$87,300	$185,870	$726,649	$1,234,586	$887,170	$890,198
Fee Program Admin/billing	$0	$85,000	$45,300	$30,609	$26,077	$26,860
Legacy Transaction Costs	$0	$65,000	$0	$0	$0	$0
Total	**$255,568**	**$665,074**	**$1,128,630**	**$1,612,537**	**$1,271,010**	**$1,285,553**

Notes:

1. MS4 Permit Compliance costs are primarily related to construction of BMPs in accordance with the CBPRP.

APPENDIX A

Lower Allen Township Stormwater Program Budget

Lower Allen Stormwater Program Budget - Preliminary									
Budget Category		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
LABOR									
Engineer-25%	OM	$ 32,048	$ 33,010	$ 34,000	$ 35,020	$ 36,071	$ 37,153	$ 38,267	$ 39,415
Engineering Technician-30%	OM	$ 22,622	$ 23,301	$ 24,000	$ 24,720	$ 25,462	$ 26,225	$ 27,012	$ 27,823
MS4 Coordinator-100%	MS4	$ 82,006	$ 84,466	$ 87,000	$ 89,610	$ 92,298	$ 95,067	$ 97,919	$ 100,857
Support Staff (finance, clerical)	OM	$ 23,565	$ 24,272	$ 25,000	$ 25,750	$ 26,523	$ 27,318	$ 28,138	$ 28,982
Other New Labor	OM				$ 18,889	$ 19,456	$ -	$ -	$ -
STREET CLEANING									
Street Cleaning Labor, Fuel, Sweeper Maint	SS	$ 17,000	$ 17,000	$ 17,510	$ 18,035	$ 18,576	$ 19,134	$ 19,708	$ 20,299
Street Sweepings Disposal Costs	SS	$ 12,031	$ 5,761	$ 6,000	$ 6,180	$ 6,365	$ 6,556	$ 6,753	$ 6,956
Street Cleaning Water	SS	$ 250	$ 250	$ 258	$ 265	$ 273	$ 281	$ 290	$ 299
MS4 SYSTEM O&M									
Storm Drain & MH Cleaning/Repairs	OM	$ 43,000	$ 24,000	$ 60,000	$ 61,800	$ 63,654	$ 65,564	$ 67,531	$ 69,556
Maintenance of Future BMPs	MS4				$ -	$ 3,904	$ 13,730	$ 19,565	$ 27,169
Vehicles/Equipment	OM				$ 2,000	$ 2,060	$ 2,122	$ 2,185	$ 2,251
Pole Camera Inspection Program	OM								
Seneca Ave Pump Station	OM	$ 1,414	$ 1,456	$ 1,500	$ 1,545	$ 1,591	$ 1,639	$ 1,688	$ 1,739
Stormsewer system clean, TV, assessment - Public	OM	$ -	$ -	$ -	$ -	$ 17,600	$ 18,128	$ 18,672	$ 19,232
Stormsewer system clean, TV, assessment - Easements/private	OM	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Stormsewer System Long-term Repair&Replacement-Public	OM	$ -	$ -	$ -	$ 130,000	$ 133,900	$ 137,917	$ 142,055	$ 146,316
Stormsewer System Long-term Repair&Replacement-Easements/private	OM	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other MS4 Permit Admin Costs	MS4	$ 283	$ 291	$ 300	$ 1,500	$ 1,545	$ 1,591	$ 1,639	$ 1,688
MS4 Permit Req'd BMPs Design/Permitting	MS4				$ 94,760	$ 238,490	$ 141,617	$ 184,583	$ -
MS4 Permit Req'd BMPs Construction	MS4	$ -	$ -	$ -	$ -	$ 390,411	$ 982,580	$ 583,464	$ 760,484
MISC									
Legacy Costs	Legacy				$ 65,000				
Misc Mtrls and Supplies	OM				$ 5,000	$ 5,150	$ 5,305	$ 5,464	$ 5,628
Accounting/Audit	A				$ 5,000	$ 5,150	$ 5,305	$ 5,464	$ 5,628
Legal Services	A				$ 35,000	$ 10,000	$ 5,000	$ 5,150	$ 5,305
Consulting Services	A				$ 40,000	$ 25,000	$ 15,000	$ 10,000	$ 10,300
Portion of Twp Billing Costs	A	$ -	$ -	$ -	$ 5,000	$ 5,150	$ 5,305	$ 5,464	$ 5,628
Subtotal		**$ 234,219**	**$ 213,807**	**$ 255,568**	**$ 665,074**	**$ 1,128,630**	**$ 1,612,537**	**$ 1,271,010**	**$ 1,285,553**

Arcadis U.S., Inc.

1128 Walnut Street

Suite 400

Philadelphia, Pennsylvania 19107

Tel 215 625 0850

Fax 215 625 0172

www.arcadis.com

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

Municipal Separate Storm Sewer System (MS4) Update

As stormwater runs over driveways, lawns, and sidewalks it picks up debris, chemicals, dirt, and other pollutants. Polluted stormwater runoff is often conveyed to municipal separate storm sewer systems (MS4s) and ultimately discharged into local rivers and streams without treatment.

WHAT CAN YOU DO TO HELP US PROTECT OUR WATER AND NATURAL RESOURCES?

Vehicle and Garage

- Use a commercial car wash that treats or recycles its wastewater or wash your car on gravel, grass or other permeable surfaces so that water infiltrates into the ground.
- Check or repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.
- Recycle used oil or other automotive fluids. Do not dispose of these chemicals in your trash or dump them into storm drains.

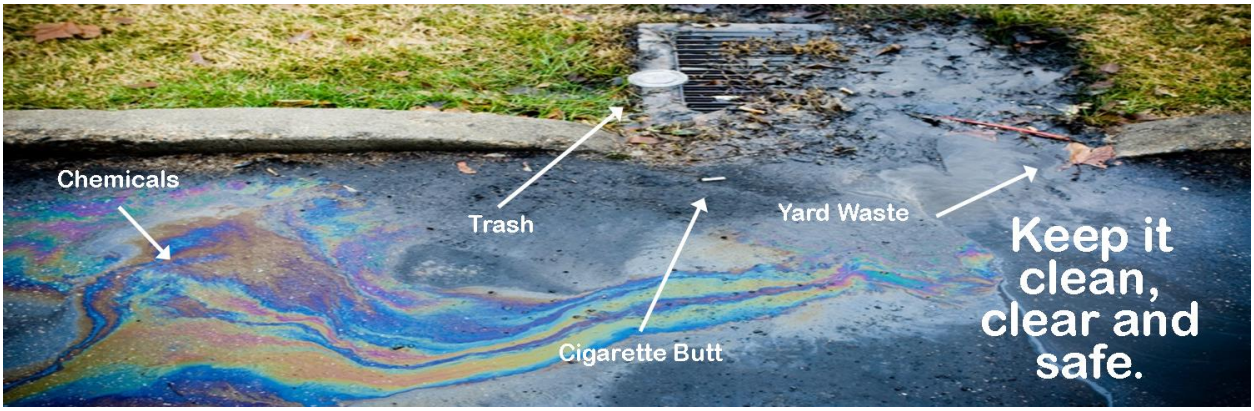
Lawn and Garden

- Do no overwater your lawn.
- Utilize pesticides and fertilizers sparingly. When use is necessary, follow the directions on amount to be applied.
- Compost or mulch yard waste. Do not leave it in the street or sweep it into storm drains.
- Cover piles of mulch being used in landscaping projects.
- Do not discharge grass clippings into the street.

Pet Waste

- Pick up your pet waste and dispose of it properly. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria to wash into the storm drains and eventually into local water bodies.

Please contact Rebecca Davis, MS4 Coordinator, at rdavis@latwp.org, or 717-975-7575 ext. 1010, for additional information or with any questions that you may have.

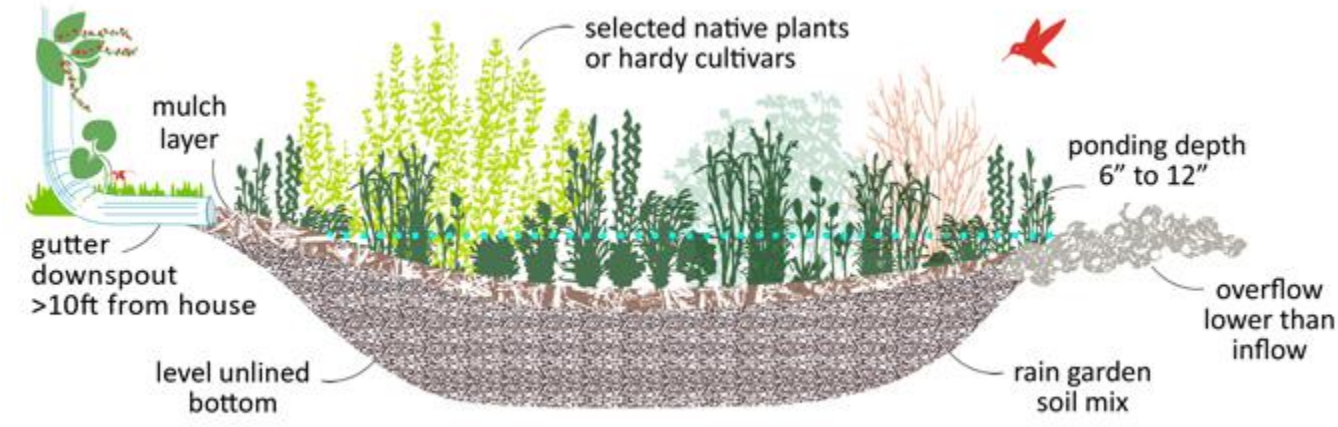


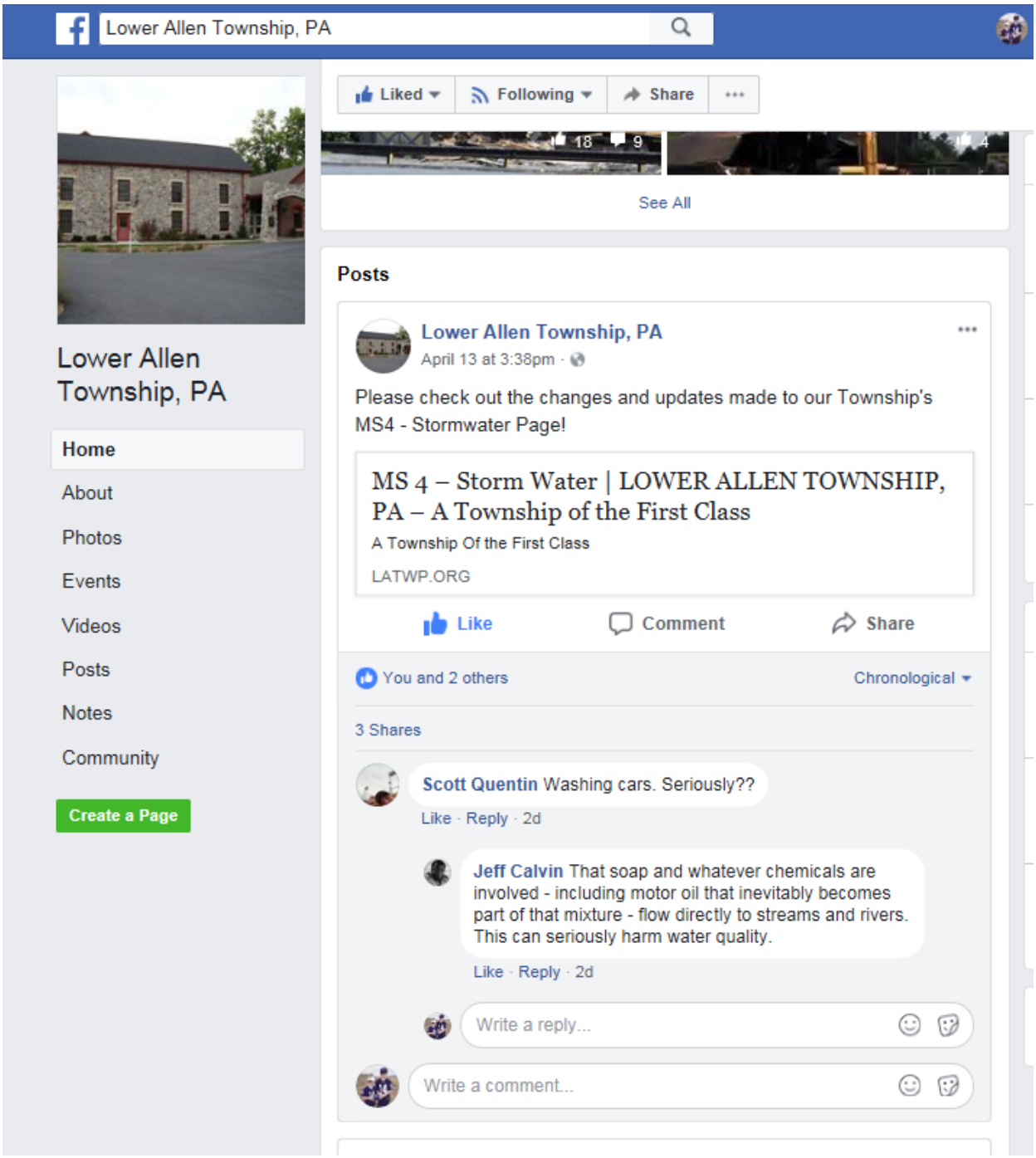
Municipal Separate Storm Sewer System (MS4) Update

Think Spring Now!

Thinking about adding some new landscaping to your yard? The Alliance for the Chesapeake Bay has a user-friendly free tool designed to help property owners in the Chesapeake Bay Watershed develop a plan to install a Rain Garden or conservation landscape in their yards. A rain garden is a planted depression or a hole that allows rainwater runoff to be collected and absorbed into the ground from impervious urban areas, like roofs, driveways, walkways, parking lots, and compacted lawn areas. These gardens help reduce stormwater runoff, attract pollinators like butterflies and bees, and protect local water quality. The plan you develop will be specific to your property and personal preferences. Once you've completed the assessment and answered the questions in the tool, you will be emailed a planting plan! Please keep in mind that **permits** may be required from the Township prior to beginning your project. Please contact Rebecca Davis, MS4 Coordinator, at rdavis@latwp.org, or 717-975-7575 ext. 1010, for additional information or with any questions that you may have.

For more information, visit: www.stormwater.allianceforthebay.org/yard-design





Lower Allen Township's Facebook Page Post – MS4 Webpage updates – 4-13-18

Stormwater Program Update

The Lower Allen Township Board of Commissioners held a public hearing and adopted an ordinance on August 27, 2018 to establish a Stormwater Authority. The Lower Allen Township Stormwater Authority (LATSA) consists of five (5) members appointed by the Board of Commissioners. The members are: Lloyd Bucher, Timothy Johnson, Richard Schin, Alison Shuler, and Gordon Wilson. The Authority will conduct monthly meetings at the Lower Allen Township Municipal Services Center, 2233 Gettysburg Road, Camp Hill, PA 17011. Their meetings will take place on the first Thursday of every month in Gorgas Hall at approximately 8:30 PM. The Stormwater Authority's first meeting took place on Thursday October 4, 2018.

LATSA was established by the Board of Commissioners to ensure that the stormwater infrastructure is well maintained, and stormwater quantity and quality are adequately managed. LATSA will fund operations and maintenance of infrastructure repair and replacement, administration of the state and federally mandated Clean Water Act permit requirements, and the design and construction of capital improvement projects through a stormwater fee that is currently being developed.

Prior to the establishment of LATSA, funds for repairing and maintaining the stormwater system came from the General Fund of the Township operating budget and the Township Highway aid budget. This is no longer feasible due to State and Federal mandates from PADEP and USEPA for the Township to meet the regulatory requirements of their Municipal Separate Storm Sewer System (MS4) permit to reduce sediment, nitrogen and phosphorous runoff into waterways by developing a Pollution Reduction Plan (PRP). The PRP will require the Township to convert ten (10) detention basins to bioretention facilities within a five (5) year period.

Lower Allen Township is fully committed to meeting the regulatory requirements of its MS4 permit and protecting water quality in the community. The establishment of a Township Stormwater Authority will dedicate the funding required to facilitate the process of maintaining aging infrastructure, assessing drainage, stormwater management problems, implementation of system improvements, and complying with state and federal mandated requirements.

Arcadis, the Township's consultant, will present information regarding the stormwater projects and the fee at the Commissioners meeting at 7:00 PM on October 8th, 2018. Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township Website and in future issues of the Township newsletter. If you have any questions regarding the program or the Stormwater Authority please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

Stormwater Program Update

Beginning April 1, 2019, you will see a **NEW** Stormwater Fee as a line item on your existing Sanitary and/or Refuse bill from the Township, or you will begin to receive a Stormwater bill from the Township if you are currently not served by public sewer or refuse. Lower Allen Township Stormwater Authority (LATSA) approved the Stormwater Program Credit and Appeals Policy at their February 7, 2019 meeting. Property owners can apply for Stormwater Management Program Fee Credits by completing the LATSA Credit Application and supplying supporting documentation with the application. Property owners that have installed a Best Management Practice (BMP) on their properties, have a recorded Operations and Maintenance Agreement with the Township, and are reporting to the Township on an annual basis on the maintenance of the BMP, are potentially eligible to receive a credit to their stormwater fee. Credits will also be issued to property owners who install a new BMP on their property contingent upon meeting the criteria established in the LATSA Credit and Appeals Policy. If a property owner receives a Stormwater bill for a property that they do not own or feel that the Equivalent Residential Unit (ERU) calculation for their property is in error, they may appeal the Stormwater fee by completing the LATSA Stormwater Program Appeal Form and submitting it to the Township. The Credit and Appeals Policy and subsequent applications can be located on the Township Website, www.latwp.org. Visit the homepage of the website and click on the Stormwater Icon to access the referenced information.

The dedicated source of funding generated by the Stormwater Management Program Fee provides the resources to address the Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP) mandated Municipal Separate Storm Sewer System (MS4) compliance requirements. The Township's Chesapeake Bay Pollution Reduction Plan (PRP) was approved by PADEP in December of 2018. Township staff is currently working on implementation of that plan, which includes the conversion of 10 detention basins into bioretention facilities within a five-year period. In addition to the PRP implementation, the Operation and Maintenance of our Stormwater System is a significant portion of the Stormwater Program.

Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township website (www.latwp.org) and in future issues of the Township News. If you have any questions regarding the fee, stormwater program or the Stormwater Authority, please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

Stormwater Program Update

As indicated in the Spring newsletter, Lower Allen Township began to bill stormwater fees which were included in all property owner's sewer and refuse bill or in a separate bill if the property owner does not currently receive a utility bill from the Township. The federal Environmental Protection Agency (EPA) and The Pennsylvania Department of Environmental Protection (PADEP) have imposed unfunded mandates on Lower Allen Township. Property owners are reminded that Lower Allen Township staff worked with a professional consultant to determine a stormwater management plan, budget requirements, and a stormwater fee to meet the mandated requirements. The Township Commissioners appointed members to the Lower Allen Township Stormwater Authority (LATSA). LATSA has been conducting public monthly meetings since October of 2018. LATSA developed a Stormwater Program credit and appeals policy which was approved at their February 7, 2019 public meeting.

The fee will provide a dedicated source of revenue for the mandated Municipal Separate Storm Sewer System (MS4) permit. Township staff is currently working on implementation of the Township's Chesapeake Bay Pollution Reduction Plan (PRP). This plan requires the Township to reduce sediment, nitrogen and phosphorous in stormwater runoff. The Township plans to achieve this requirement by converting 10 detention basins into bioretention facilities. A bioretention facility is a method of treating stormwater by pooling water on the surface and allowing filtering and settling of suspended solids and sediments prior to entering a plant/soil media for infiltration and pollutant removal. Bioretention techniques are used to accomplish water quality improvement as well as water quantity reduction. Design has begun on the first 2 basins located at the Township Public Works Facility on Saint Johns Road and at the corner of Lisburn Road and Sheepford Road. The projects are projected to go out to bid in the fall of 2019.

Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township website (www.latwp.org) and future issues of the Township Newsletter. If you have any questions regarding the fee, stormwater program or the Stormwater Authority, please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

Stormwater Program Update

The Lower Allen Township Board of Commissioners heard a presentation from Arcadis, the Township's consultant, regarding the Stormwater Fee and Feasibility Study at their regular meeting on October 8, 2018. Recommendations regarding the Stormwater rate structure were discussed with the Commissioners as well as the Stormwater Management Program scope and budget.

The 5-year Stormwater Program budget is projected to be approximately 1.2 million dollars per year. Most of the money in the budget is allocated to the EPA and PADEP federally-mandated Municipal Separate Storm Sewer System (MS4) Compliance requirements. Additional budgeted funds will be spent on stormwater infrastructure maintenance, inspection and replacement as required.

The following rate structure was presented to the Commissioners: Residential properties, including vacant properties, will be billed a flat fee. Non-residential and multifamily units will be billed based upon the impervious area on the property. An Equivalent Residential Unit (ERU) was calculated to equal 3,115 SF. This number was based upon a digitized study of buildings, sidewalks, and driveways in the Township. To determine the fee per ERU, the total number of ERUs in the Township was calculated and this number was divided by the Stormwater Program costs. The quarterly stormwater fee for Lower Allen Township properties was presented to the Commissioners as $19 per ERU.

Residential and vacant properties will be billed a flat rate of $19.00 (1 ERU) per quarter. Non-residential and multifamily units will be billed based on the number of ERUs (3,115 SF) that the property has, times the rate of $19/per ERU, per quarter. The chart below illustrates fee examples:

	OWNER	**SF**	**ERU's**	**QUARTERLY FEE/ERU**	**YEARLY FEE**
1	Residential Property	Inclusive	1	$19	$76
2	School	337,092	108	$2,052	$8,208
3	Grocery Store	460,753	148	$2,812	$11,248
4	Mall	1,818,727	584	$11,096	$44,384

At the conclusion of the presentation by Arcadis, the Commissioners voted unanimously to advertise an ordinance authorizing the Stormwater Fee. Ordinance 2018-10 was enacted by the Board of Commissioners on October 22, 2018, authorizing LATSA to enact and collect stormwater fees and to provide a system for collection of the fees for payment to Lower Allen Township to maintain stormwater facilities and fund other stormwater related expenditures. At their November 1, 2018 regular meeting, LATSA unanimously approved Resolution 2018-A-01, enacting the Stormwater Fee rate of $19.00/ERU to be billed quarterly. A Stormwater Credit and

Appeals Policy is being drafted currently and will be reviewed and discussed by the LATSA board at their monthly meetings.

The initial quarterly Stormwater Fee bills are projected to mailed in April 2019. If you currently receive a refuse and/or sewer bill, you will see this charge as a separate line item on your bill. If you do not receive a refuse and/or sewer bill, you will now receive a stormwater fee bill from the Township.

Arcadis's October 8, 2018, presentation is available for review on the Lower Allen Township website:

http://www.latwp.org/wp-content/uploads/Lower-Allen-Stormwater-Fee-Study-Board-Presentation-8Oct2018.pdf.

Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township website (www.latwp.org) and in future issues of the Township News. If you have any questions regarding the fee, stormwater program or the Stormwater Authority, please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

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Stormwater Management Program

Credit Policy and Appeals Process Manual

Policies & Procedures

LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



JANUARY 2019

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Introduction

Stormwater Management is very important to our community. Lower Allen Township is committed to managing stormwater infrastructure and pollutants generated by impervious surfaces and stormwater runoff so that it does not have a harmful effect on streams and does not cause flooding and subsequent property damage.

The overall goal of Lower Allen Township is to develop a sustainably-funded stormwater program that addresses the long-term stormwater needs of the Township and to comply with state and federal mandates. In order to develop the Stormwater Program, a Stormwater Fee structure was established to fund the Program. In addition, the Lower Allen Township Stormwater Authority (LATSA) was established to oversee the funding portion of the Program.

Stormwater Fee revenues will allow the Township to ensure MS4 Permit regulatory compliance including the Chesapeake Bay Pollution Reduction Plan, provide for storm sewer system replacement and repairs, improve water quality, and provide for future capital improvements.

The Lower Allen Township Stormwater Authority Fee Resolution currently in effect defines the Impervious Area (IA) per Equivalent Residential Unit (ERU) to be 3,115 square feet. This has been determined based upon the average IA of properties in the Township.

The Board of Commissioners has asked LATSA to assess Stormwater Fees on every Parcel in the Township. In conjunction with the collection of Stormwater Fees, LATSA has adopted this Stormwater Management Program Credit Policy and Appeal Process Manual to establish a process for property Owners to obtain Credits and Stormwater Fee adjustments.

LATSA has no staff and relies on the LAT staff for support. For this reason, the LAT staff is the primary point of contact for all stormwater issues.

Definitions

For the purposes of this Manual, certain terms and words used herein shall be defined as follows:

Appeal Form. The appeal form that is attached hereto as Appendix "B" that property Owners must file if they believe that the Stormwater Fee for their property has been calculated incorrectly.

Best Management Practices (BMPs). Activities, facilities, designs, measures or procedures used to manage stormwater impacts from regulated activities, to meet state water quality

requirements, to promote groundwater recharge, and to otherwise meet the purposes of this manual. Stormwater "structural" BMPs or measures are those that consist of a physical device or practice that is installed to capture and treat stormwater runoff. Structural BMPs include but are not limited to a wide variety of practices and devices, from large-scale retention ponds and constructed wetlands to small-scale underground treatment systems, infiltration facilities, filter strips, low-impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention basins, and manufactured devices. Structural stormwater BMPs are permanent appurtenances to the project site.

Credit Application. The Stormwater Management Fee Credit Application that is attached hereto as Appendix "A" and must be used to obtain the Credits described in this Manual.

Credit. A Stormwater Fee reduction that a property Owner receives for implementing and complying with the practices and policies contained in this Manual.

Equivalent Residential Unit ("ERU"). The measure of impervious ground cover for a typical single-family residential Property used in assessing the fees for each parcel, and which has been determined to be 3,115 square feet.

Impervious Area (IA). An area that prevents or impedes the infiltration of water into the ground. Impervious Surfaces include, but are not limited to compacted aggregate, streets, sidewalks, pavements, driveway areas, roofs, patios, garages, storage sheds and similar structures, and other paved surfaces.

Inspection Report. The yearly BMP inspection reports that are defined in the Lower Allen Township Stormwater Management Ordinance.

LATSA. Lower Allen Township Stormwater Authority

MS4. Municipal Separate Storm Sewer System

Non-Residential Properties. All parcels other than Single Family Residential Properties, including multi-family properties such as apartments and mixed-use parcels (i.e. parcels with both residential and commercial uses). Non-Residential Properties also include mobile home parks, commercial, institutional, governmental, retail, office buildings, storage areas, parking lots or other impervious areas, parks, recreation properties, public and private schools, hospitals and convalescent centers, and industrial parcels.

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Operation and Maintenance Agreement. An agreement as described in the Township's Stormwater Management Ordinance pertaining to the operation and maintenance of existing stormwater management BMPs.

Owner. Any person, firm, corporation, individual, partnership, trust, company, association, government agency, society, or group owning real property in the Township of Lower Allen.

Pennsylvania Stormwater Best Management Practices Manual. The most recent version of the Pennsylvania Stormwater Best Management Practices Manual published by the Pennsylvania Department of Environmental Protection

Single Family Residential ("SFR"). – Parcel containing single family residential homes, attached homes, townhouses, condominiums, duplexes, row homes, manufactured homes, and mobile homes located on individual lots or parcels of lands. Parcels may be classified as "SFR" despite the presence of incidental structures associated with residential uses such as garages, carports or small storage buildings. "SFR" shall not include parcels containing structures used for non-residential purposes; manufactured homes and mobile homes located within a manufactured home or mobile home park.

Stormwater. Drainage runoff water from the surface of the land resulting from precipitation, such as rain, snow or ice melt.

Stormwater Management System. The system of runoff avoidance, infiltration, collection and conveyance, including storms sewers, pipes, conduits, mains, inlets, culverts, catch basins, gutters, manholes, ditches, channels, basins and detention ponds, streets, curbs, drains and all devices, appliances and Stormwater BMPs, such as infiltration and filtration facilities, used for collecting, conducting, pumping, conveying, detaining, infiltrating, reducing, managing, and/or treating stormwater.

Stormwater Management Ordinance. Chapter 184 – Stormwater Management, of the Code of Ordinances of the Township of Lower Allen.

Stormwater Fee (SF). Fees assessed, imposed and to be collected from each parcel in the Township which is classified by this policy as a Single-Family Residential Property or a Non-Residential Property. Stormwater Fees are assessed on vacant properties in LAT.

Structural BMPs. Structural BMPs include but are not limited to a wide variety of practices and devices, from large-scale retention ponds and constructed wetlands to small-scale underground treatment systems, infiltration facilities, filter strips, low-impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention

basins, and manufactured devices. Structural stormwater BMPs are permanent appurtenances to the property

Township. Township of Lower Allen, Cumberland County, Pennsylvania (LAT).

Credit Policies

Eligibility

To be eligible for a Credit, the subject property may be a Residential or Non-Residential property in Lower Allen Township. A Homeowner's Association (HOA) may also be eligible for a Credit for properties within their development. There must not be any outstanding and unpaid Stormwater Fees or Sanitary Sewer/Trash Fees against the subject property. Property Owners must submit a complete Credit Application with any documentation required. All properties are potentially eligible for Credits; however, certain Credits are only available for specific Stormwater volume reductions, as described in the section "Available Credits".

Credit Application Process

Credit Applications, using the Stormwater Fee Management Credit Application in Appendix A, must be submitted along with any documentation required by the application. LAT reserves the right to require additional documentation if the provided information does not support the requested type of credit.

LAT will review the fully completed credit application in a timely manner not to exceed sixty (60) days. If the credit application is determined to be incomplete, the applicant will be notified in writing and the application will be returned with the incomplete items specified. If the credit application is approved as submitted, the credit will be applied for the next billing cycle following approval. If a response is not made within sixty (60) days, then the Credit Application will be denied. The written notification shall state the conditions of the issuance of the Credit and effective date of the Credit. If LAT does not approve the Credit Application in whole or in part, the property Owner shall receive a written notice which includes the reason(s) for the decision.

If the property Owner disagrees with the decision, the Owner may submit a request in writing for a meeting to discuss such decision. LAT will schedule a date and time for the meeting.

Design Standards

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All proposed BMPs shall comply with the applicable design standards set forth in the Lower Allen Township Stormwater Management Ordinance (Chapter 184 of the Code of Ordinances: https://ecode360.com/11211742) and Pennsylvania Stormwater Best Management Practices Manual. .

Credit Details

Owners may apply for one or more Credits, and the Credits will be cumulative up to a maximum Credit of 50% of the property's original Stormwater Fee (SF) regardless of how many individual Credits the property qualifies for. In no event may a Credit or group of Credits reduce the applicable SF to an amount that is less than 50% of the SF for that property.

The SF for the properties with approved Credits will be calculated as follows:

Billable ERUs = Total ERUs – Credit ERUs

Quarterly SF Rate = Billable ERUs X SF Rate ($/ERU/Quarter)

Where:

Billable ERUs = The number of ERUs billed to the Lower Allen Customer

Total ERUs = The number of ERUs on a parcel prior to any Credits being granted

Credit ERUs = The total number of ERUs granted as Credit for the parcel

SF Rate = The current per ERU rate as defined in the LATSA SF Resolution

Credit Renewals and Expiration

Approved Credits will be automatically renewed with submission of the required annual BMP inspection form to the Township. Credits will automatically expire when a property changes ownership. It is important to note that although the Credits will expire with ownership change, any Operations and Maintenance Agreements, Easements, and Access Agreements remain permanently in effect. New property owners are required to complete and submit Credit Application in Appendix A, to be eligible for a Credit. Applications will be administered with the same process as stated in "Credit Application Process" of this document. All Credits are subject to alteration or revocation for just cause.

Credit Termination

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Upon written notice any previously approved Credit may be revoked when the Owner has failed to meet conditions of the Credit, the conditions of the Operations and Maintenance Agreement, and/or has delinquent SF or sanitary/trash fees. The Owner will be notified in writing of the reason for Credit termination and will be provided with the corrective measures required to have the Credit reinstated.

LAT reserves the right to review all plans, materials, reports, and documentation for accuracy and inspect any installations or features for proper function related to the Credit program at any time. If, after review, the accompanying documentation is found to be inaccurate or incomplete, or upon inspection issues are discovered with the installation or operation of the BMP, or Operation and Maintenance Agreement, the Owner will be notified in writing and given sixty (60) days to correct the deficiency. The Owner must provide written documentation within sixty (60) days of the original notice that the deficiency has been corrected. If the deficiency is not satisfactorily corrected, the Credit currently applied to the property will be terminated, effective the following billing cycle.

BMP Inspection Report

If a property or Homeowner Association (HOA) sponsored group of properties has been granted a credit, the Owner or HOA must submit to LAT annual inspection reports in accordance with Section 32 of the Stormwater Management Ordinance.

The frequency of the BMP inspection report will be identified as a condition of the Credit. The Inspection Report must demonstrate compliance with all program requirements for the preceding calendar year. If the Inspection Report is incomplete or is not submitted by the deadline for reporting as established in the Operation and Maintenance Agreement, the property shall be in non-compliance with the Credit program requirements and the Credit shall be suspended. The suspended Credit will not be reinstated until an acceptable BMP Inspection Report is submitted with documentation that the BMP for which the Credit is being given is being implemented as intended. There is no fee associated with submitting an inspection report.

Inspection

In accordance with Section 29 of the Stormwater Management Ordinance, LAT may enter at reasonable times upon any property within the municipality to inspect the implementation, condition, or operation of the Stormwater BMPs. If, after review and inspection, it is found that the Credit Application and/or Inspection Report is inaccurate or out of compliance, the property

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Owner will be notified in writing with a notice and given sixty (60) days to correct the inaccuracy or non-compliance ("Notice of Non-Compliance").

The Owner will have sixty (60) days following the receipt of the Notice of Non-Compliance to demonstrate that the issues described in the Notice of Non-Compliance have been corrected. If the Owner fails to provide a written response within the designated time frame or if the issues described in the Notice of Non-Compliance have not been corrected, the Credit will be suspended for the following billing cycle.

The Credit suspension will remain in effect until the property Owner reapplies for the Credit. The reapplication must include documentation that the issues stated in the Notice of Non-Compliance have been corrected and that the BMP is in compliance with the program requirements. If, after review of the reapplication, the BMP is determined to be in compliance, the credit will be reinstated the following billing cycle.

Credits

Structural BMPs

Credits are available for Structural BMP(s) that comply with the Township's rules and regulations set forth in the Stormwater Management Ordinance (Section 13, Volume Controls).

Structural BMP Credits are applicable to Single Family Residential (SFR) and Non-Residential (NR) properties with Structural BMPs that have a valid Operation and Maintenance Agreement as required by Section 30 of Chapter 184 of the Lower Allen Township Stormwater Management Ordinance. Existing BMPs that have an executed Operation and Maintenance Agreement with the Township may apply for Credits as long as they are up to date with completion of their annual inspection reports to the Township. If an existing BMP does not have a valid Operation and Maintenance Agreement with the Township, then the Credit applicant shall prepare and submit with the Credit Application an executed Operation and Maintenance Agreement prepared in accordance with the requirements of the Stormwater Management Ordinance and provided in a form by the Township.

Existing BMPs can be retrofitted to provide new function and are eligible for Credits for the existing and new functions. The Credits for Structural BMPs only apply to the Impervious Area (IA) controlled by the BMPs.

To apply for a Structural BMP Credit, property owners must submit information documenting that the BMP has been inspected and approved by a professional engineer licensed in

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Pennsylvania. The inspection shall be a visual inspection to document that the BMP is operating in accordance with its intended function. If information on the design standards and design of the BMP is not available, the applicant may contact LAT to determine to what extent the BMP may be eligible for credit.

Structural BMPs that control the volume of Stormwater runoff from a parcel are eligible for the Volume Control Credit. Examples of volume controls are in the Pennsylvania Stormwater Best Practices Manual. The credit for BMPs that comply with Section 13 – Volume Controls of the Stormwater Management Ordinance – shall be calculated as follows:

(% of total IA managed by the BMP) X (50% maximum credit) =

% total credit on the SF for that property

Where:

IA = Impervious Area

BMP = Best Management Practice

The maximum Volume Control Credit shall be fifty percent (50%) of the original SF determined for an individual property. The total credit shall be based on the amount of impervious area (IA) that is managed the Stormwater Management Facility (SMF) as compared to the total IA within the property, rounded to the nearest whole percent. The credit can be cumulative for each BMP that is on the parcel up to a maximum of 50%.

Credit will also be considered on a case-by-case basis for other types of Stormwater facilities or control devices that reduce Stormwater runoff based upon the Pennsylvania Stormwater Design Manual that lists acceptable BMPs.

Periodic credit reports will be submitted to the LATSA Board for their review.

Appeal Process

Prior to the first imposition of Stormwater Fees, property owners in Lower Allen Township that will be assessed more than one (1) ERU will receive a letter from LAT with notice of their stormwater fee assessment. Within thirty (30) days of receipt of such letter, property Owners may request a meeting with LAT to challenge the assessment.

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Property Owners may, at any time, appeal their Stormwater Fee if the Owner believes that the Stormwater Fee for their property has been calculated incorrectly, or if they believe the fees have been assigned to a parcel that they do not own. The property Owner shall submit a completed Appeal Form in Appendix B. When submitting an Appeal Form property Owners must include a detailed statement of the basis for such appeal and documents supporting the Owner's assertions. A staff designee will review the Appeal Form and supporting materials within sixty (60) days and notify the property Owner in writing the outcome of the review. The property Owner has the right to appeal the staff determination in writing to the LAT Board of Commissioners within thirty (30) days of issuance. Within thirty (30) days of an adverse decision from the LAT Board of Commissioners, an appeal may be taken to the Cumberland County Court of Common Pleas.

If the Owner's appeal for an adjustment is approved, the property Owner will be credited any amount paid in excess of the adjusted Stormwater Fee from the date that the Appeal Form was first filed with the Township. The credit will be applied to subsequent billing period(s). Adjusted fees will be applied retroactively from the date the inquiry was first filed and no further.

Periodic appeal reports will be submitted to the LATSA Board for their review.

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APPENDICES

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Appendix A

Stormwater Management Program Fee Credit Application

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Stormwater Credit Application Form

Credit Application Instructions

1. This form is provided to Lower Allen Township property owners who believe they qualify for an approved stormwater Credit. Customers should review the LATSA Credit Policy and Appeals Process Manual for eligibility requirements.
2. Please attach two (2) copies supporting documentation including sketches & calculations to the form. Please mail completed form to:

   Lower Allen Township
   Stormwater Credit Application
   2233 Gettysburg Road
   Camp Hill, PA 17011

3. Staff will review the Stormwater Credit Application Form within sixty (60) days of receipt of a completed form.

Customer Information

Name: _____ Date: _____

Email: _____ Telephone: _____

Account Number: _____ Pin Number: _____

Property Address: _____

Billing Street Address: _____

Address Line 2: _____

City, State, Zip: _____

For LAT Use Only

Date Received: _____ Credit(s): ☐ Granted ☐ Denied

Date Reviewed: _____ Reviewer: _____

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Structural BMP

Check all boxes that apply:

☐ I have a BMP that controls volume

☐ I have a BMP but I'm not sure what it does

Please attach any supporting information.

Confirmation of Credit Conditions and LAT Access Rights

I, (please print name)_____ agree to all conditions of the Credits I have applied for as outlined in the LATSA Credit Policy and Appeals Process Manual. I agree that LAT may at reasonable times enter my property in inspect the property or condition or operation of BMPs.

_____ _____

Property Owner Signature Date

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Appendix B

Stormwater Appeal Form

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Stormwater Appeal Form

Appeal Instructions

1. This form is provided to Lower Allen Township property owners who believe the Impervious Area (IA) and/or Equivalent Residential Unit (ERU) calculation for their property is incorrect. Customers should also use this form if it is believed that stormwater fees have been assigned for a parcel that they don't own.
2. Please fill out all sections of the form, except for the section marked "For LAT Use Only".
3. You may attach supporting documentation to the form. Please note that any submitted documentation will not be returned to the customer. Please mail completed for to:

   Lower Allen Township
   Stormwater Appeal Form
   2233 Gettysburg Road
   Camp Hill, PA 17011

4. A Staff representative will review the Stormwater Appeal Form within sixty (60) days of receipt of a completed form.

Customer Information

Name: _____ Date: _____

Email: _____ Telephone: _____

Account Number: _____ PIN Number: _____

Property Address: _____

Billing Street Address: _____

Address Line 2: _____

City, State, Zip: _____

Additional Supporting Information: _____

_____

For LAT Use Only

Date Received: _____ Appeal(s): ☐ Granted ☐ Denied

Date Reviewed: _____ Reviewer: _____

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Stormwater Management Program

Credit Policy and Appeals Process Manual

Policies & Procedures

LOWER ALLEN TOWNSHIP STORMWATER AUTHORITY



FEBRUARY 2019

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Introduction

Stormwater Management is very important to our community. Lower Allen Township is committed to managing stormwater infrastructure and pollutants generated by impervious surfaces and stormwater runoff so that it does not have a harmful effect on streams and does not cause flooding and subsequent property damage.

The overall goal of Lower Allen Township is to develop a sustainably-funded stormwater program that addresses the long-term stormwater needs of the Township and to comply with state and federal mandates. In order to develop the Stormwater Program, a Stormwater Fee structure was established to fund the Program. In addition, the Lower Allen Township Stormwater Authority (LATSA) was established to oversee the funding portion of the Program.

Stormwater Fee revenues will allow the Township to ensure MS4 Permit regulatory compliance including the Chesapeake Bay Pollution Reduction Plan, provide for storm sewer system replacement and repairs, improve water quality, and provide for future capital improvements.

The Lower Allen Township Stormwater Authority Fee Resolution currently in effect defines the Impervious Area (IA) per Equivalent Residential Unit (ERU) to be 3,115 square feet. This has been determined based upon the average IA of properties in the Township.

The Board of Commissioners has asked LATSA to assess Stormwater Fees on every Parcel in the Township. In conjunction with the collection of Stormwater Fees, LATSA has adopted this Stormwater Management Program Credit Policy and Appeal Process Manual to establish a process for property Owners to obtain Credits and Stormwater Fee adjustments.

LATSA has no staff and relies on the LAT staff for support. For this reason, the LAT staff is the primary point of contact for all stormwater issues.

Definitions

For the purposes of this Manual, certain terms and words used herein shall be defined as follows:

Appeal Form. The appeal form that is attached hereto as Appendix “B” that property Owners must file if they believe that the Stormwater Fee for their property has been calculated incorrectly.

Best Management Practices (BMPs). Activities, facilities, designs, measures or procedures used to manage stormwater impacts from regulated activities, to meet state water quality requirements, to promote groundwater recharge, and to otherwise meet the purposes of this manual. Stormwater "structural" BMPs or measures are those that consist of a physical device or practice that is installed to capture and treat stormwater runoff. Structural BMPs include but are not limited to a wide variety of practices and devices, from large-scale retention ponds and constructed wetlands to small-scale underground treatment systems, infiltration facilities, filter strips, low-impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention basins, and manufactured devices. Structural stormwater BMPs are permanent appurtenances to the project site.

Credit Application. The Stormwater Management Fee Credit Application that is attached hereto as Appendix "A" and must be used to obtain the Credits described in this Manual.

Credit. A Stormwater Fee reduction that a property Owner receives for implementing and complying with the practices and policies contained in this Manual.

Equivalent Residential Unit ("ERU"). The measure of impervious ground cover for a typical single-family residential Property used in assessing the fees for each parcel, and which has been determined to be 3,115 square feet.

Impervious Area (IA). An area that prevents or impedes the infiltration of water into the ground. Impervious Surfaces include, but are not limited to compacted aggregate, streets, sidewalks, pavements, driveway areas, roofs, patios, garages, storage sheds and similar structures, and other paved surfaces.

Inspection Report. The yearly BMP inspection reports that are defined in the Lower Allen Township Stormwater Management Ordinance.

LATSA. Lower Allen Township Stormwater Authority

MS4. Municipal Separate Storm Sewer System

Non-Residential Properties. All parcels other than Single Family Residential Properties, including multi-family properties such as apartments and mixed-use parcels (i.e. parcels with both residential and commercial uses). Non-Residential Properties also include mobile home parks, commercial, institutional, governmental, retail, office buildings, storage areas, parking lots or other impervious areas, parks, recreation properties, public and private schools, hospitals and convalescent centers, and industrial parcels.

Operation and Maintenance Agreement. An agreement as described in the Township's Stormwater Management Ordinance pertaining to the operation and maintenance of existing stormwater management BMPs.

Owner. Any person, firm, corporation, individual, partnership, trust, company, association, government agency, society, or group owning real property in the Township of Lower Allen.

Pennsylvania Stormwater Best Management Practices Manual. The most recent version of the Pennsylvania Stormwater Best Management Practices Manual published by the Pennsylvania Department of Environmental Protection

Single Family Residential ("SFR"). – Parcel containing single family residential homes, attached homes, townhouses, condominiums, duplexes, row homes, manufactured homes, and mobile homes located on individual lots or parcels of lands. Parcels may be classified as "SFR" despite the presence of incidental structures associated with residential uses such as garages, carports or small storage buildings. "SFR" shall not include parcels containing structures used for non-residential purposes; manufactured homes and mobile homes located within a manufactured home or mobile home park.

Stormwater. Drainage runoff water from the surface of the land resulting from precipitation, such as rain, snow or ice melt.

Stormwater Management System. The system of runoff avoidance, infiltration, collection and conveyance, including storms sewers, pipes, conduits, mains, inlets, culverts, catch basins, gutters, manholes, ditches, channels, basins and detention ponds, streets, curbs, drains and all devices, appliances and Stormwater BMPs, such as infiltration and filtration facilities, used for collecting, conducting, pumping, conveying, detaining, infiltrating, reducing, managing, and/or treating stormwater.

Stormwater Management Ordinance. Chapter 184 – Stormwater Management, of the Code of Ordinances of the Township of Lower Allen.

Stormwater Fee (SF). Fees assessed, imposed and to be collected from each parcel in the Township which is classified by this policy as a Single-Family Residential Property or a Non-Residential Property. Stormwater Fees are assessed on vacant properties in LAT.

Structural BMPs. Structural BMPs include but are not limited to a wide variety of practices and devices, from large-scale retention ponds and constructed wetlands to small-scale underground treatment systems, infiltration facilities, filter strips, low-impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention

basins, and manufactured devices. Structural stormwater BMPs are permanent appurtenances to the property

Township. Township of Lower Allen, Cumberland County, Pennsylvania (LAT).

Credit Policies

Eligibility

To be eligible for a Credit, the subject property may be a Residential or Non-Residential property in Lower Allen Township. A Homeowner's Association (HOA) may also be eligible for a Credit for properties within their development. There must not be any outstanding and unpaid Stormwater Fees or Sanitary Sewer/Trash Fees against the subject property. Property Owners must submit a complete Credit Application with any documentation required. All properties are potentially eligible for Credits; however, certain Credits are only available for specific Stormwater volume reductions, as described in the section "Available Credits".

Credit Application Process

Credit Applications, using the Stormwater Fee Management Credit Application in Appendix A, must be submitted along with any documentation required by the application. LAT reserves the right to require additional documentation if the provided information does not support the requested type of credit.

LAT will review the fully completed credit application in a timely manner not to exceed sixty (60) days. If the credit application is determined to be incomplete, the applicant will be notified in writing and the application will be returned with the incomplete items specified. If the credit application is approved as submitted, the credit will be applied for the next billing cycle following approval. If a response is not made within sixty (60) days, then the Credit Application will be denied. The written notification shall state the conditions of the issuance of the Credit and effective date of the Credit. If LAT does not approve the Credit Application in whole or in part, the property Owner shall receive a written notice which includes the reason(s) for the decision.

If the property Owner disagrees with the decision, the Owner may submit a request in writing for a meeting to discuss such decision. LAT will schedule a date and time for the meeting.

Design Standards

All proposed BMPs shall comply with the applicable design standards set forth in the Lower Allen Township Stormwater Management Ordinance (Chapter 184 of the Code of Ordinances: https://ecode360.com/11211742) and Pennsylvania Stormwater Best Management Practices Manual. .

Credit Details

Owners may apply for one or more Credits, and the Credits will be cumulative up to a maximum Credit of 50% of the property's original Stormwater Fee (SF) regardless of how many individual Credits the property qualifies for. In no event may a Credit or group of Credits reduce the applicable SF to an amount that is less than 50% of the SF for that property.

The SF for the properties with approved Credits will be calculated as follows:

Billable ERUs = Total ERUs – Credit ERUs

Quarterly SF Rate = Billable ERUs X SF Rate ($/ERU/Quarter)

Where:

Billable ERUs = The number of ERUs billed to the Lower Allen Customer

Total ERUs = The number of ERUs on a parcel prior to any Credits being granted

Credit ERUs = The total number of ERUs granted as Credit for the parcel

SF Rate = The current per ERU rate as defined in the LATSA SF Resolution

Credit Renewals and Expiration

Approved Credits will be automatically renewed with submission of the required annual BMP inspection form to the Township. Credits will automatically expire when a property changes ownership. It is important to note that although the Credits will expire with ownership change, any Operations and Maintenance Agreements, Easements, and Access Agreements remain permanently in effect. New property owners are required to complete and submit Credit Application in Appendix A, to be eligible for a Credit. Applications will be administered with the same process as stated in "Credit Application Process" of this document. All Credits are subject to alteration or revocation for just cause.

Credit Termination

Upon written notice any previously approved Credit may be revoked when the Owner has failed to meet conditions of the Credit, the conditions of the Operations and Maintenance Agreement, and/or has delinquent SF or sanitary/trash fees. The Owner will be notified in writing of the reason for Credit termination and will be provided with the corrective measures required to have the Credit reinstated.

LAT reserves the right to review all plans, materials, reports, and documentation for accuracy and inspect any installations or features for proper function related to the Credit program at any time. If, after review, the accompanying documentation is found to be inaccurate or incomplete, or upon inspection issues are discovered with the installation or operation of the BMP, or Operation and Maintenance Agreement, the Owner will be notified in writing and given sixty (60) days to correct the deficiency. The Owner must provide written documentation within sixty (60) days of the original notice that the deficiency has been corrected. If the deficiency is not satisfactorily corrected, the Credit currently applied to the property will be terminated, effective the following billing cycle.

BMP Inspection Report

If a property or Homeowner Association (HOA) sponsored group of properties has been granted a credit, the Owner or HOA must submit to LAT annual inspection reports in accordance with Section 32 of the Stormwater Management Ordinance.

The frequency of the BMP inspection report will be identified as a condition of the Credit. The Inspection Report must demonstrate compliance with all program requirements for the preceding calendar year. If the Inspection Report is incomplete or is not submitted by the deadline for reporting as established in the Operation and Maintenance Agreement, the property shall be in non-compliance with the Credit program requirements and the Credit shall be suspended. The suspended Credit will not be reinstated until an acceptable BMP Inspection Report is submitted with documentation that the BMP for which the Credit is being given is being implemented as intended. There is no fee associated with submitting an inspection report.

Inspection

In accordance with Section 29 of the Stormwater Management Ordinance, LAT may enter at reasonable times upon any property within the municipality to inspect the implementation, condition, or operation of the Stormwater BMPs. If, after review and inspection, it is found that

the Credit Application and/or Inspection Report is inaccurate or out of compliance, the property Owner will be notified in writing with a notice and given sixty (60) days to correct the inaccuracy or non-compliance ("Notice of Non-Compliance").

The Owner will have sixty (60) days following the receipt of the Notice of Non-Compliance to demonstrate that the issues described in the Notice of Non-Compliance have been corrected. If the Owner fails to provide a written response within the designated time frame or if the issues described in the Notice of Non-Compliance have not been corrected, the Credit will be suspended for the following billing cycle.

The Credit suspension will remain in effect until the property Owner reapplies for the Credit. The reapplication must include documentation that the issues stated in the Notice of Non-Compliance have been corrected and that the BMP is in compliance with the program requirements. If, after review of the reapplication, the BMP is determined to be in compliance, the credit will be reinstated the following billing cycle.

Credits

Structural BMPs

Credits are available for Structural BMP(s) that comply with the Township's rules and regulations set forth in the Stormwater Management Ordinance (Section 13, Volume Controls).

Structural BMP Credits are applicable to Single Family Residential (SFR) and Non-Residential (NR) properties with Structural BMPs that have a valid Operation and Maintenance Agreement as required by Section 30 of Chapter 184 of the Lower Allen Township Stormwater Management Ordinance. Existing BMPs that have an executed Operation and Maintenance Agreement with the Township may apply for Credits as long as they are up to date with completion of their annual inspection reports to the Township. If an existing BMP does not have a valid Operation and Maintenance Agreement with the Township, then the Credit applicant shall prepare and submit with the Credit Application an executed Operation and Maintenance Agreement prepared in accordance with the requirements of the Stormwater Management Ordinance and provided in a form by the Township.

Existing BMPs can be retrofitted to provide new function and are eligible for Credits for the existing and new functions. The Credits for Structural BMPs only apply to the Impervious Area (IA) controlled by the BMPs.

To apply for a Structural BMP Credit, property owners must submit information documenting that the BMP has been inspected and approved by a professional engineer licensed in Pennsylvania. The inspection shall be a visual inspection to document that the BMP is operating in accordance with its intended function. If information on the design standards and design of the BMP is not available, the applicant may contact LAT to determine to what extent the BMP may be eligible for credit.

Structural BMPs that control the volume of Stormwater runoff from a parcel are eligible for the Volume Control Credit. Examples of volume controls are in the Pennsylvania Stormwater Best Practices Manual. The credit for BMPs that comply with Section 13 – Volume Controls of the Stormwater Management Ordinance – shall be calculated as follows:

(% of total IA managed by the BMP) X (50% maximum credit) =

% total credit on the SF for that property

Where:

IA = Impervious Area

BMP = Best Management Practice

The maximum Volume Control Credit shall be fifty percent (50%) of the original SF determined for an individual property. The total credit shall be based on the amount of impervious area (IA) that is managed the Stormwater Management Facility (SMF) as compared to the total IA within the property, rounded to the nearest whole percent. The credit can be cumulative for each BMP that is on the parcel up to a maximum of 50%.

Credit will also be considered on a case-by-case basis for other types of Stormwater facilities or control devices that reduce Stormwater runoff based upon the Pennsylvania Stormwater Design Manual that lists acceptable BMPs.

Periodic credit reports will be submitted to the LATSA Board for their review.

Appeal Process

Prior to the first imposition of Stormwater Fees, property owners in Lower Allen Township that will be assessed more than one (1) ERU will receive a letter from LAT with notice of their stormwater fee assessment. Within thirty (30) days of receipt of such letter, property Owners may request a meeting with LAT to challenge the assessment.

Property Owners may, at any time, appeal their Stormwater Fee if the Owner believes that the Stormwater Fee for their property has been calculated incorrectly, or if they believe the fees have been assigned to a parcel that they do not own. The property Owner shall submit a completed Appeal Form in Appendix B. When submitting an Appeal Form property Owners must include a detailed statement of the basis for such appeal and documents supporting the Owner's assertions. A staff designee will review the Appeal Form and supporting materials within sixty (60) days and notify the property Owner in writing the outcome of the review. The property Owner has the right to appeal the staff determination in writing to the LAT Board of Commissioners within thirty (30) days of issuance. Within thirty (30) days of an adverse decision from the LAT Board of Commissioners, an appeal may be taken to the Cumberland County Court of Common Pleas.

If the Owner's appeal for an adjustment is approved, the property Owner will be credited any amount paid in excess of the adjusted Stormwater Fee from the date that the Appeal Form was first filed with the Township. The credit will be applied to subsequent billing period(s). Adjusted fees will be applied retroactively from the date the inquiry was first filed and no further.

Periodic appeal reports will be submitted to the LATSA Board for their review.

APPENDICES

Appendix A

Stormwater Management Program Fee Credit Application

Stormwater Credit Application Form

Credit Application Instructions

1. This form is provided to Lower Allen Township property owners who believe they qualify for an approved stormwater Credit. Customers should review the LATSA Credit Policy and Appeals Process Manual for eligibility requirements.
2. Please attach two (2) copies supporting documentation including sketches & calculations to the form. Please mail completed form to:

Lower Allen Township
Stormwater Credit Application
2233 Gettysburg Road
Camp Hill, PA 17011

3. Staff will review the Stormwater Credit Application Form within sixty (60) days of receipt of a completed form.

Customer Information

Name: _____ Date: _____

Email: _____ Telephone: _____

Account Number: _____ Pin Number: _____

Property Address: _____

Billing Street Address: _____

Address Line 2: _____

City, State, Zip: _____

For LAT Use Only

Date Received: _____ Credit(s): ☐ Granted ☐ Denied

Date Reviewed: _____ Reviewer: _____

Structural BMP

Check all boxes that apply:

☐ I have a BMP that controls volume

☐ I have a BMP but I'm not sure what it does

Please attach any supporting information.

Confirmation of Credit Conditions and LAT Access Rights

I, (please print name)_____ agree to all conditions of the Credits I have applied for as outlined in the LATSA Credit Policy and Appeals Process Manual. I agree that LAT may at reasonable times enter my property in inspect the property or condition or operation of BMPs.

_____ _____

Property Owner Signature Date

Appendix B

Stormwater Appeal Form

Stormwater Appeal Form

Appeal Instructions

1. This form is provided to Lower Allen Township property owners who believe the Impervious Area (IA) and/or Equivalent Residential Unit (ERU) calculation for their property is incorrect. Customers should also use this form if it is believed that stormwater fees have been assigned for a parcel that they don't own.
2. Please fill out all sections of the form, except for the section marked "For LAT Use Only".
3. You may attach supporting documentation to the form. Please note that any submitted documentation will not be returned to the customer. Please mail completed for to:

   Lower Allen Township
   Stormwater Appeal Form
   2233 Gettysburg Road
   Camp Hill, PA 17011

4. A Staff representative will review the Stormwater Appeal Form within sixty (60) days of receipt of a completed form.

Customer Information

Name: _____ Date: _____

Email: _____ Telephone: _____

Account Number: _____ PIN Number: _____

Property Address: _____

Billing Street Address: _____

Address Line 2: _____

City, State, Zip: _____

Additional Supporting Information: _____

_____

For LAT Use Only

Date Received: _____ Appeal(s): ☐ Granted ☐ Denied

Date Reviewed: _____ Reviewer: _____

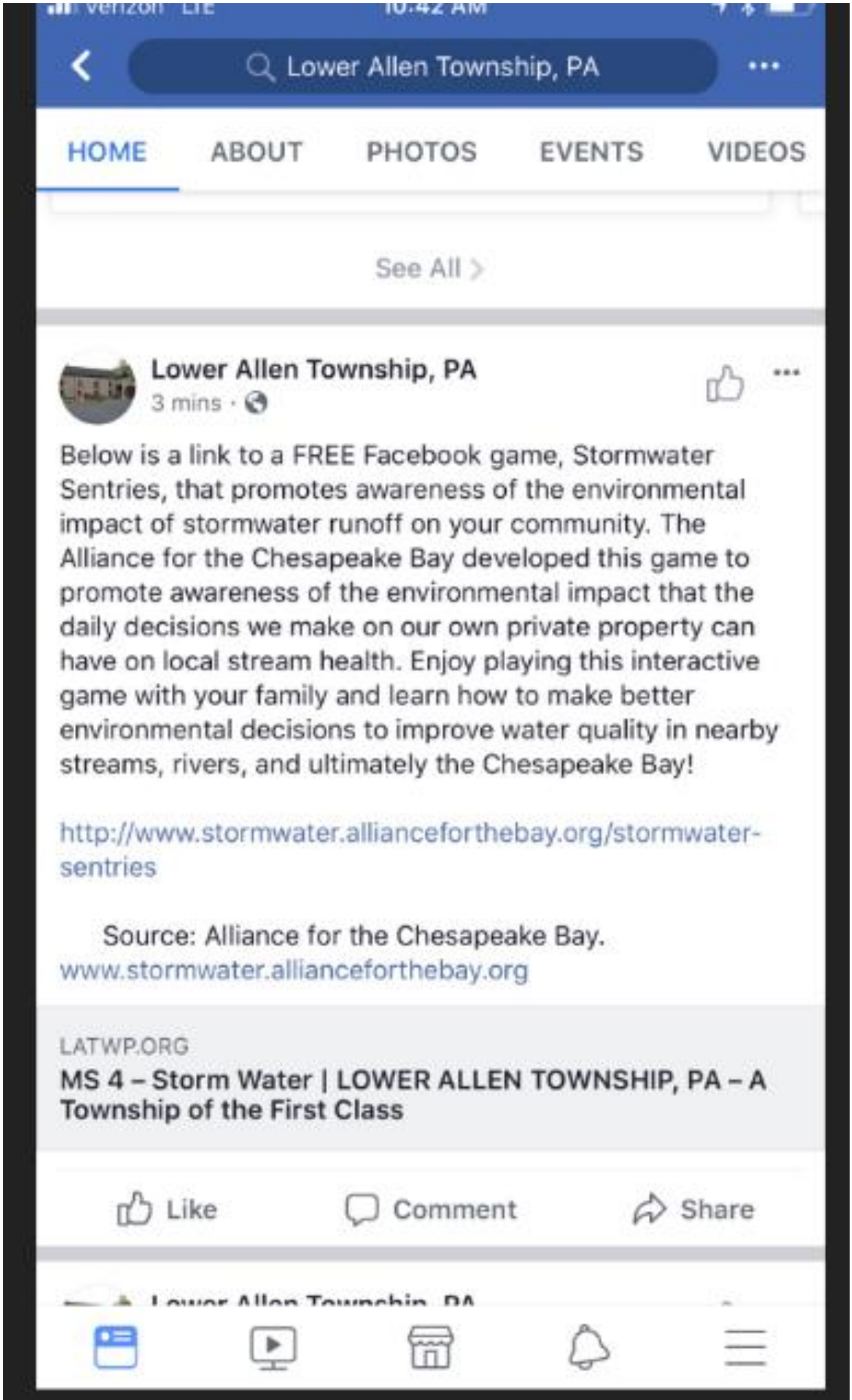
Township Facebook Page Posting

Stormwater user fee Feasibility Study Meeting – 6/11/18

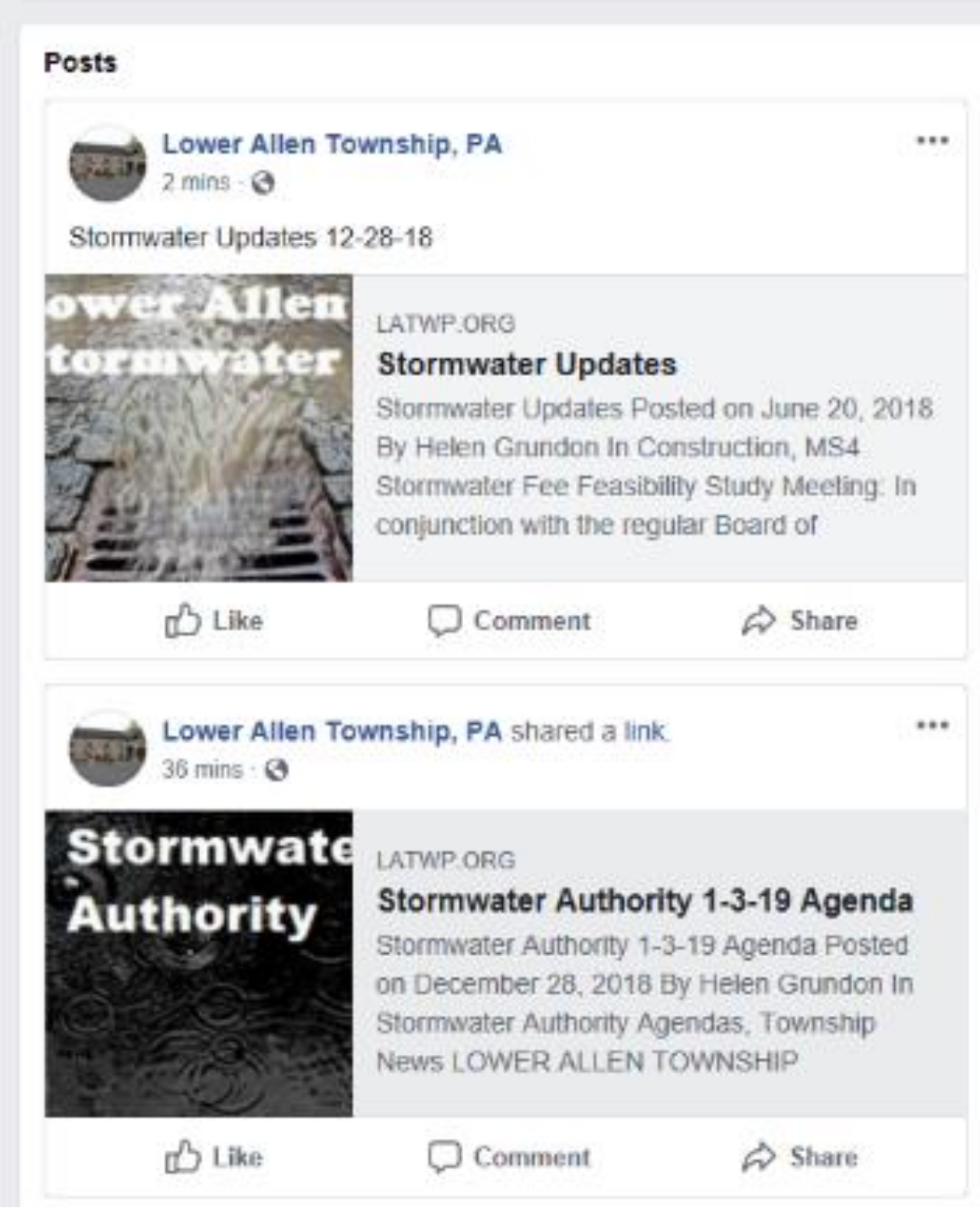
Posted 6/4/18



Posted on Lower Allen Township's Facebook Page on 3-7-18



Township Facebook Posting 12-28-18



Township Website Page Post 12/28/18



Stormwater Updates

POSTED ON JUNE 20, 2018 / BY HELEN GRUNDON / IN MS4, TOWNSHIP NEWS

STORMWATER PROGRAM FEE UPDATE **12-28-18**

The Lower Allen Township Board of Commissioners heard a presentation from Arcadis, the Township's consultant, regarding the Stormwater Fee and Feasibility Study at their regular meeting on October 8, 2018. Recommendations regarding the Stormwater rate structure were discussed with the Commissioners as well as the Stormwater Management Program scope and budget.

The 5-year Stormwater Program budget is projected to be approximately 1.2 million dollars per year. Most of the money in the budget is allocated to the EPA and PADEP federally-mandated Municipal Separate Storm Sewer System (MS4) Compliance requirements. Additional budgeted funds will be spent on stormwater infrastructure maintenance, inspection and replacement as required.

The following rate structure was presented to the Commissioners: Residential properties, including vacant properties, will be billed a flat fee. Non-residential and multifamily units will be billed based upon the impervious area on the property. An Equivalent Residential Unit (ERU) was calculated to equal 3,115 SF. This number was based upon a digitized study of buildings, sidewalks, and driveways in the Township. To determine the fee per ERU, the total number of ERUs in the Township was calculated and this number was divided by the Stormwater Program costs. The quarterly stormwater fee for Lower Allen Township properties was presented to the Commissioners as $19 per ERU.

Residential and vacant properties will be billed a flat rate of $19.00 (1 ERU) per quarter. Non-residential and multifamily units will be billed based on the number of ERUs (3,115 SF) that the property has, times the rate of $19/per ERU, per quarter. The chart below illustrates fee examples:

	OWNER	SF	ERU's	QUARTERLY FEE/ERU	YEARLY FEE
1	Residential Property	Inclusive	1	$19	$76
2	School	337,092	108	$2,052	$8,208
3	Grocery Store	460,753	148	$2,812	$11,248
4	Mall	1,818,727	584	$11,096	$44,384

At the conclusion of the presentation by Arcadis, the Commissioners voted unanimously to advertise an ordinance authorizing the Stormwater Fee. Ordinance 2018-10 was enacted by the Board of Commissioners on October 22, 2018, authorizing LATSA to enact and collect stormwater fees and to provide a system for collection of the fees for payment to Lower Allen Township to maintain stormwater facilities and fund other stormwater related expenditures. At their November 1, 2018 regular meeting, LATSA unanimously approved Resolution 2018-A-01, enacting the Stormwater Fee rate of $19.00/ERU to be billed quarterly. A Stormwater Credit and Appeals Policy is being drafted currently and will be reviewed and discussed by the LATSA board at their monthly meetings.

The initial quarterly Stormwater Fee bills are projected to mailed in April 2019. If you currently receive a refuse and/or sewer bill, you will see this charge as a separate line item on your bill. If you do not receive a refuse and/or sewer bill, you will now receive a stormwater fee bill from the Township.

Arcadis's October 8, 2018, presentation is available for review on the Lower Allen Township website:

http://www.latwp.org/wp-content/uploads/Lower-Allen-Stormwater-Fee-Study-Board-Presentation-8Oct2018.pdf.

Updates on the Stormwater Program and information about the Stormwater Authority will be placed on the Township website (www.latwp.org) and in future issues of the Township News. If you have any questions regarding the fee, stormwater program or the Stormwater Authority, please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org. or 717-975-7575 ext. 1010.

Lower Allen Township began discussions in January regarding the Stormwater Program and creation of a Stormwater Fee and has since been working closely with consultants from Arcadis, Inc. The Board of Commissioners heard an initial presentation regarding a Stormwater Fee from Arcadis at their June 11, 2018 meeting. The overall goal of Lower Allen Township is to develop a sustainably-funded stormwater program that begins to address the long-term stormwater needs of the Township and to comply with mandates from PADEP and USEPA.

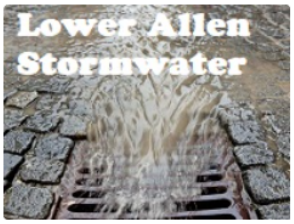
The PowerPoint presentation that Arcadis presented on June 11, 2018, and a Frequently Asked Questions document are attached below for your information. We expect to provide updates on the overall project progress in future issues of the Township Newsletter and on the Township Website, including additional details of the stormwater program and fee. If you have any questions regarding the program please contact Rebecca Davis, MS4 Coordinator, @ rdavis@latwp.org or 717-975-7575 ext. 1010.



Lower Allen Township's Facebook Page – Trout Day and Yellow Breeches Cleanup Post 3/29/18

Website Posting – 10.8.18 BOC Meeting - Stormwater

Posts



Stormwater Updates

POSTED ON JUNE 20, 2018 / BY HELEN GRUNDON / IN MS4, TOWNSHIP NEWS

Stormwater Fee Feasibility Study Meeting:

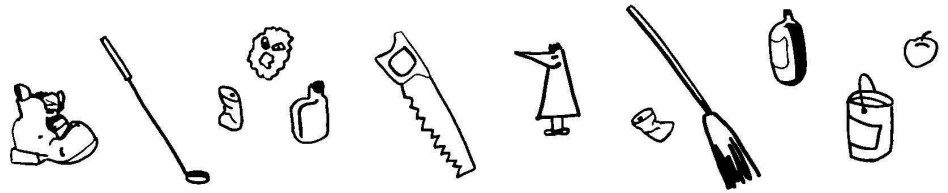
In conjunction with the regular Board of Commissioners meeting on Monday, October 8, 2018, at 7:00 PM, Lower Allen Township will hear a presentation from Arcadis regarding the progress of the stormwater fee feasibility study and recommendation of a stormwater fee rate structure. Open to anyone in the community, this meeting is an opportunity to learn more about the study and recommendations being proposed to pay for stormwater management. Public is invited and encouraged to attend and participate.

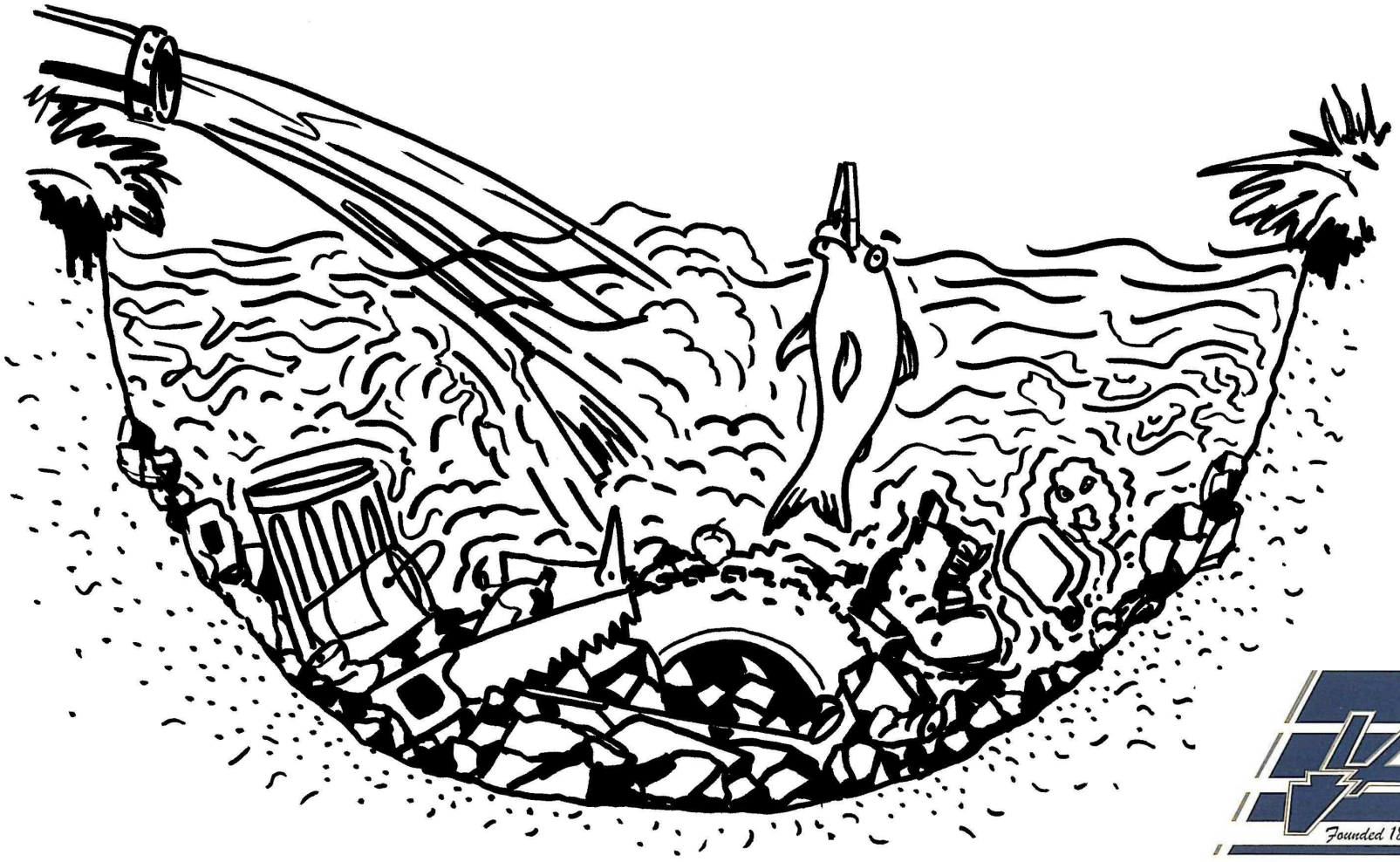
ATTACHMENT #5

TOWNSHIP EASTER EGG HUNT MS-4 FLYER

Eliminating Trash From Our Streams

Help Droplet clean this stream.
What doesn't belong? Can you find
all of the hidden trash pictured here? →
Circle or color the trash.





Founded 1850

ATTACHMENT #6

TOWNSHIP GARDENER'S GATHERING EVENT – MS-4 CONTENT

Attendance Register
For
THE BENEFITS OF ESTABLISHING A STORMWATER FEE
April 27, 2019

All Persons in attendance are requested to sign in.

Name	Address
[illegible] Hayden	2021 Evergreen Dr. 17053
Susan Parry	17 Walnut St. Camp Hill 17011
RICHARD GROVE	309 BLACKSMITH RD. CAMP HILL
GREG MAHON	1508 LETCHWORTH RD Camp Hill
Jerilynn Millvan	17 Paddock Ln C11 17011

Lower Allen Township MS4 Program

Gardener's Gathering Presentation

April 27, 2019

MS4 NPDES Program

- What is MS4?
  - Municipal
  - Separate
  - Storm
  - Sewer
  - System

Background

A PROGRAM UNDER WHICH A MUNICIPALITY IS ISSUED A PERMIT TO DISCHARGE STORMWATER INTO THE CHESAPEAKE BAY

THE INTENT OF THE MS4 PROGRAM IS TO REDUCE POLLUTANTS INTO WATERS OF THE COMMONWEALTH

THE MS4 PROGRAM IS REGULATED BY BOTH THE UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP)

Storm Water Permit Program for Small Communities

- Federal regulation requires permit for our community
  - National Pollutant Discharge Elimination System (NPDES)
- PA DEP created state permitting program to meet federal regulation

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 of the permit (MCMs)

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

GENERAL MS4 PERMIT INFORMATION

2018 PAG-13 NPDES General MS4 Permit No. PAG 133711



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 (April 1, 2017- June 30, 2018)

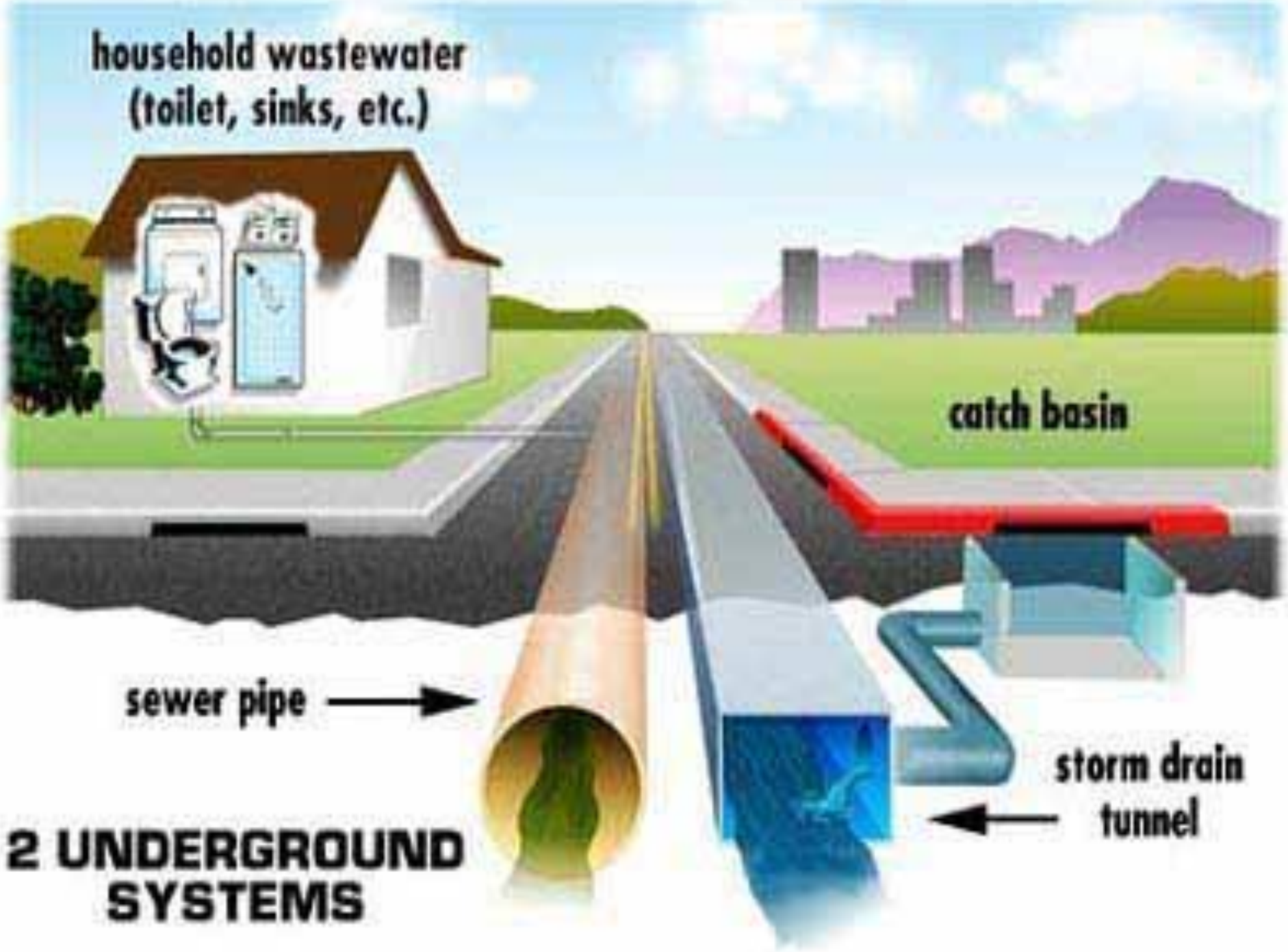
All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30

***A $500 fee is now required to be submitted with EACH annual report to PADEP**



Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts


household wastewater
(toilet, sinks, etc.)
catch basin
sewer pipe
storm drain
tunnel
2 UNDERGROUND
SYSTEMS

LAT Storm Water Program Minimum Control Measures (MCMs)

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

LAT Stormwater Program- Additional Requirements

Pollution Reduction Plan (PRP)

Pollution Control Measures (PCMs) – Added to the permit in Appendices



Requirements & Changes to the 2018 PAG-13 NPDES General Permit



MCM #1 - Public Education and Outreach

- Develop and Distribute educational materials with general stormwater information - at least one publication required annually (newsletter, website)
- Distribute educational materials to target audiences using a variety of distribution methods – at least two distribution methods annually in addition to the requirement above (meetings, presentations, bill stuffers, posters, pamphlets, brochures)
- Maintain and update outreach plan for community
- Educate public on water quality impacts due to stormwater runoff and steps for reduction of pollutants

MCM #2 - Public Involvement/Participation

- Make Annual MS4 Reports and all other plans, programs, maps, and reports required by the permit available to the public on the website, at the office or by mail request
- Create opportunities for the public to participate in the program.
- Advertise and solicit public input on the following documents prior to submission to PADEP
  - Stormwater Management Ordinance
  - Pollution Reduction Plan
- Hold a public meeting on the program by March 15, 2023 to solicit public involvement and participation.
- Support volunteer programs
  - Water Quality Monitoring
  - Storm Drain Identification
  - Stream Clean-Ups

MCM #3 - Illicit Discharge Detection and Elimination

- * Enact DEP's model ordinance or update our existing ordinance that includes prohibition of non-stormwater discharges to the MS4. This must be completed and submitted with the annual report by September 30, 2022.

- * 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
  - In addition to air conditioning condensate, the discharge of non-contaminated water from geothermal systems is authorized.

- Update and maintain mapping as necessary

MCM #3 - Illicit Discharge Detection and Elimination (cont.)

- Implement program to detect non-storm water in system.
  - * Identify Priority Outfalls and sample those annually. These are areas that have high-risk activities or a history of water pollution problems.
  - Inspect all other identified MS4 Outfalls at least once by March 15, 2023.
  - * Sampling is required if discharge is observed to have any color, odor, or turbidity.
- Educate community on problems related to dumping in storm sewers
  - Promote recycling programs for commons wastes such as motor oil and antifreeze (Cumberland County Household Hazardous Waste)
  - Provide a reporting mechanism for illicit discharges that is available to the general public

Lower Allen Township, PA

March 29 at 11:18 AM ·

Cumberland County Household Hazardous Waste Program:

New Program Format for 2019: Appointments required and a fee of $0.30/lb will be charged.

Participants must sign up for an appointment in advance. Appointment slots are available in 15 minute increments and are limited to 12 customers per slot. ... See More



CCPA.NET

2019 Household Hazardous Waste Drop-Off Program | Cumberland County, PA - Official Website

Create an Account - Increase your productivity, customize your experience, and engage in...

MCM #4 - Construction Site Storm Water Runoff Control

- *Enact DEP's model ordinance or update our existing ordinance by September 30, 2022.
- Coordinate with Cumberland County Conservation District
  - Erosion and Sediment Control Program
  - NPDES Construction Storm Water Permitting for sites with over one acre of disturbance
- Educate construction industry – add contractors/builders to Target Audience List
- Provide educational material to contractors working in Lower Allen Township

MCM #5 - Post-Construction Storm Water Management

- *Adopt PA DEP's model storm water management ordinance by September 30, 2022. Develop and implement measure to encourage Low Impact Development (LID) in new development and re-development
- Ensure proper operation and maintenance of post-construction controls
- Continue BMP monitoring through annual mailing and reporting system
  - All BMPS that were installed to meet the requirements in the NPDES permit for stormwater discharges associated with construction activities approved since March 10, 2003.

MCM #6 - Pollution Prevention/ Good Housekeeping

- Implement O & M program that focuses on pollution prevention
- Train municipal employees on good housekeeping practices – Lower Allen has held police, fire, and new employee training within the reporting period . Public works training scheduled for later this month.
- Educate community on pollution prevention

Pollutant Control Measures (PCMs)

- PADEP has developed appendices for PCMs in the 2018 PAG-13 General Permit
- The appendices are related to Pathogens (Appendix B), and Priority Organic Compounds (Appendix C).
- PCMs requirements include the development of maps, an inventory of known or suspected sources of pollutants, and submission of a report documenting investigations of suspected sources

PCMs (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

PA.GOV
Tom Wolf, Governor

MS4 Requirements

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Patrick McDonnell, Secretary

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).

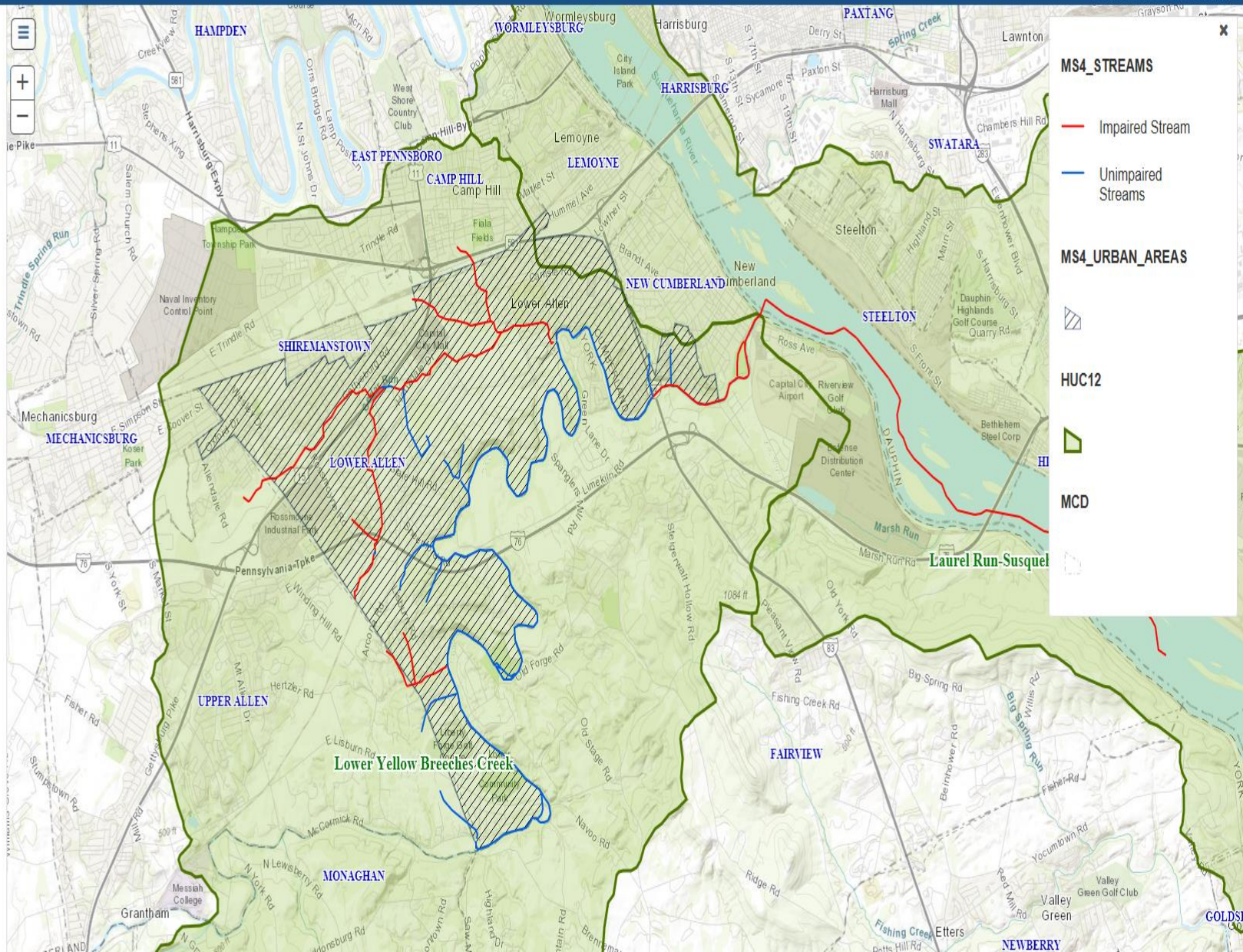
Additional information regarding permitting requirements can be found at the Pennsylvania Municipal Stormwater Homepage.

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 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 (PCMs)
- Complete and submit annual report

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

Lower Allen Township MS4 Program Longer Term Efforts

- Revise Target audience lists as needed
- Implement program changes in PAG - 13 – ordinance adoption

Public Comments

Questions?

For More Information. . .

Rebecca Davis

- rdavis@latwp.org

717-975-7575 ext 1010

Township MS4 Coordinator

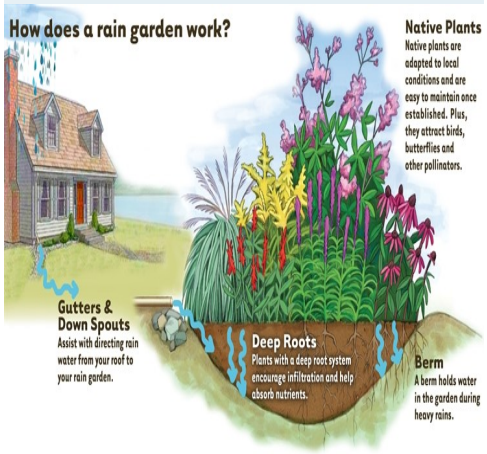
ATTACHMENT #7

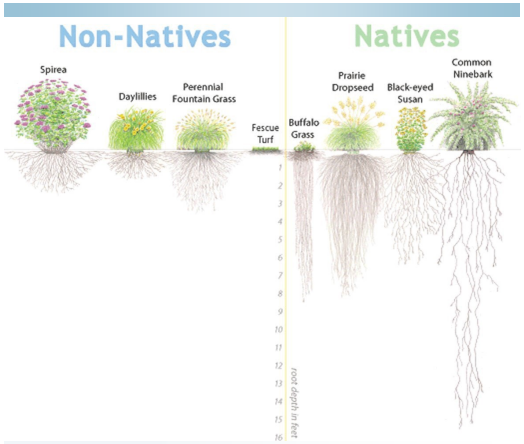
EARTH DAY FESTIVAL BROCHURES

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 plant s 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.allinaceforthebay.org

Lower Allen Township

A Township of the First Class

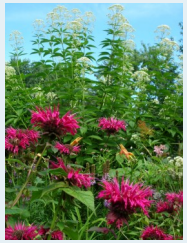
A Residential Guide for Constructing Your Own Raingarden



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 .

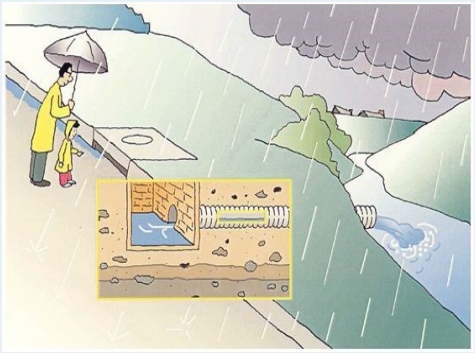
*Additional information regarding conducting infiltration tests and rain garden sizing can be found on the Alliance for the Chesapeake Bay website: www.stormwater.allianceforthebay.org



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

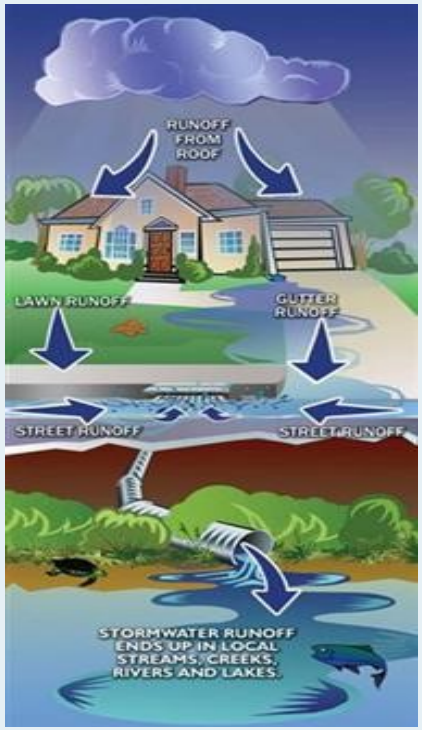
A Township of the First Class

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.



ATTACHMENT #8

CAPCOG ADVERTISEMENT



HIGH SCHOOL GRADUATIONS

Hats off to new grads

Left, Trinity High School seniors toss their graduation caps. For more graduation photos, go to pennlive.com/graduation. *Sean Simmers, PennLive*



The Carlisle High School commencement was held at Dickinson College.
Vicki Vellios Briner, For PennLive



The Boiling Springs High School commencement was held on Ecker Field.
Vicki Vellios Briner, For PennLive



Camp Hill students pose for photos at the graduation ceremony.
Mark Pynes, PennLive

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- Large personal care apartments with a distinct bedroom and easy-to-navigate bathroom
- Engaging activities from trivia and movie nights to picnics, and trips
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Arrange your private tour today. For more information, call **717.977.5199**



MESSIAH Lifeways at MESSIAH VILLAGE

*Must financially qualify to move in.

100 Mt. Allen Drive, Mechanicsburg | MessiahVillage.org/PersonalCare

HELP PROTECT OUR WATERS!

Stormwater pollution threatens our 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 230 S. Sporting Hill Road, Mechanicsburg, PA 17050 717.761.6211

Annville Township
Camp Hill Borough
Carlisle Borough
Carroll Township
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Derry Township Municipal Authority
Dillsburg Borough
East Pennsboro Township
Fairview Township
Hampden Township
Highspire Borough
Lemoyne Borough
Londonderry Township
Lower Allen Township
Lower Paxton Township
Lower Swatara Township
Marysville Borough
Mechanicsburg Borough
Middletown Borough
Monroe Township
Monaghan Township
New Cumberland Borough
Paxtang Borough
Penbrook Borough
Shippensburg Township
Shiremanstown Borough
Silver Spring Township
South Hanover Township
South Middleton Township
Susquehanna Township
Swatara Township
Upper Allen Township
West Hanover Township
Wormleysburg Borough

RBC

RBC Capital Markets is pleased to announce the sale of the following municipal bond issue:

$24,325,000*

Township of Hampden | Cumberland County, Pennsylvania
General Obligation Bonds, Series 2019

Tax Status: Federal and State Tax-Exempt (for PA residents only) Not subject to AMT**
Maturities: 2020-2043*
Expected Pricing Date: June 5, 2019*
Ratings: AA- (Standard & Poor's)

For all inquiries regarding purchase of the bonds, please contact:

Brian Fields, CFP®, First Vice President – Financial Advisor
717.724.4221 | 635 N 12th Street, 2nd Floor, Lemoyne, PA 17043 | rbcwmfa.com/brian.fields

rbcwealthmanagement.com/usa

*Preliminary, subject to change. **This offering is federally tax-exempt and not subject to taxation in the State of Pennsylvania. Interest on the Bonds will not be a specific preference item for purposes of computing the federal alternative minimum tax on individuals. This announcement is not an offer, solicitation, commitment or recommendation to buy or sell the bonds and does not purport to be a complete statement of all material facts relating to the bonds. The offering is made only by means of the Official Statement, copies of which may be obtained from RBC Capital Markets. This communication is not, and under no circumstances should be construed as, a solicitation to act as securities broker or dealer in any jurisdiction by any person or company that is not legally permitted to carry on the business of a securities broker or dealer in that jurisdiction. RBC Capital Markets is not acting as a fiduciary or as a municipal, financial, commodity or investment adviser. The information provided is not intended to be and should not be construed as "advice" within the meaning of Section 15B of the Securities Exchange Act of 1934. This advertisement is for informational purposes only. RBC Capital Markets is the global brand name for the capital markets business of Royal Bank of Canada and its affiliates, including RBC Capital Markets, LLC (member FINRA, NYSE and SIPC). ®/™ Trademark(s) of Royal Bank of Canada. RBC Wealth Management is a division of RBC Capital Markets, LLC. RBC Wealth Management and RBC Capital Markets are separate entities. Used under license. © Copyright 2019. All rights reserved.

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Craftsmanship to the last detail!

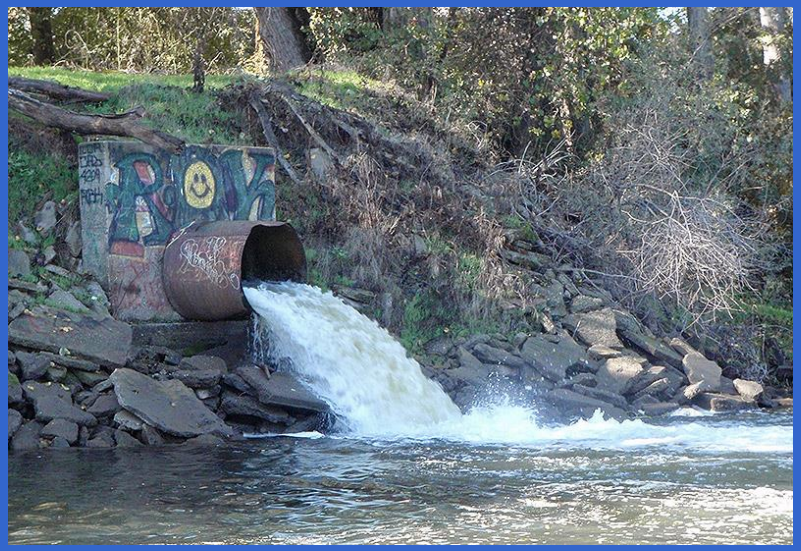


Noah F. Boyle CABINETS
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$200.00 OFF projects $15,000.00 and above!
must bring coupon to our office for redemption.

ATTACHMENT #9

PENNBOC ANNUAL CONFERENCE MS-4 PRESENTATION





MS4 – STORMWATER MANAGEMENT
REBECCA DAVIS – MS4 COORDINATOR

PENNBOC CONFERENCE, SEPTEMBER 27,2018



MY BACKGROUND



- 1996 Graduate of Cumberland Valley High School
- 2000 Graduate of Juniata College – B.S. in Environmental Science
- Began career working for Engineering Consulting Firms:
  Performed Wetland Delineations, Reviewed Subdivision Plans, Zoning Ordinance Revision, Comprehensive Plans
- Moved to Municipal Government in 2004
  Zoning & Building permit review, stormwater management
- I am the MS4 Coordinator for Lower Allen Township, Cumberland County, PA
- I am a Certified Chesapeake Bay Landscape Professional

CBLP

GOALS OF TRAINING TODAY

- Understand the background and history that led to development of the Clean Water Act and eventually the **MS4** Program Regulations
- Develop of understanding of "Stormwater" and the water cycle and how pollutants from stormwater can cause impairments to waters of the commonwealth
- Learn the meaning of **"MS4"** and the regulations associated with developing and implementation of a **MS4** program for your municipality
- Develop an understanding of the terminology associated with the **MS4** program
- Learn the MCMs and how to develop a Stormwater Management Program - SWMP



CLEAN WATER ACT

- History of the Clean Water Act
- 1972 – US congress passed the Clean Water Act
- **Response to a national concern:**
  - 1968 - The Cuyahoga River, Ohio burns
  - June 22, 1969 – Floating pieces of oil slicked debris were ignited on the river by sparks caused by a passing train.
  - The fire reached heights of over 5 stories and lasted 30 minutes.
  - Time magazine produced an article about the incident that brought a mass amount of attention to the Cleveland area and added pressure for regulations.





LAKE ERIE



- **Lake Erie was a "Dead Zone"**
  - Eutrophic – animal life killed from lack of oxygen
  - 12 WWTPs discharged over 39,000 lbs./day of Total Phosphorous
  - Blue Green Algae Blooms
    - Low dissolved oxygen; fish kills
    - Toxic; wildlife killed
    - Fires were common due to accumulation of combustible trash and oil pollution
    - By 1970 the environmental impact on Lake Erie reached its dramatic climax and the lake was declared "DEAD"
    - Became national news and sparked passage of the Clean Water Act by Congress



Lake Erie Algal Bloom - 2011

CLEAN WATER ACT OBJECTIVES

Restore and maintain the chemical, physical and biological integrity of the Nation's waters.

GOALS of the Clean water act:

- All waters "fishable and swimmable" by 1983
- Eliminate pollution discharged to water by 1985



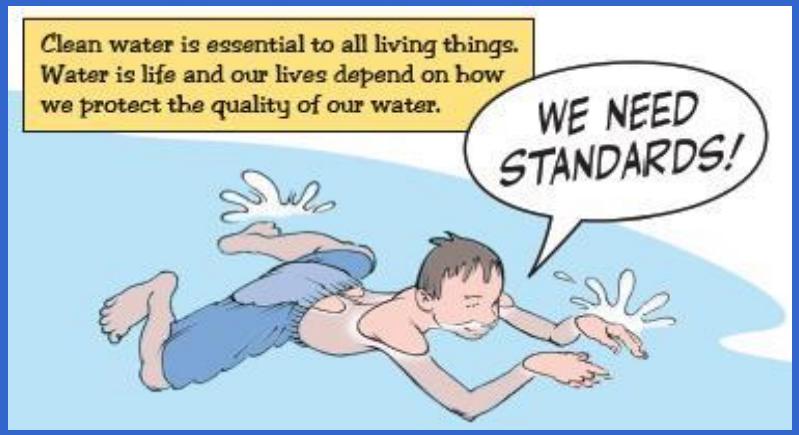
Section 101(a)(2) Clean Water Act

CLEAN WATER ACT ADJUSTMENTS

- **1977** – adjustments were made to address long term funding for waste water treatment facilities, sludge management, toxic pollutants, and wetland protection
- **1987** – Stormwater permitting established. **Nonpoint** source pollution control along with Great Lakes and Chesapeake Bay protection programs
- **2000** – Updated water quality standards and pathogen monitoring for recreational waters

CREATION OF NPDES

- Prior to 1972, many states had "Water Quality Standards" that attempted to limit pollutant concentrations in their lakes, rivers, streams, wetlands and coastal waters.
- Lack of efficient monitoring and assessment tools led to an ineffective system that was unable to reverse the growing pollution levels in the nation's waters.
- The 1972 Clean Water Act with amendments to federal law led to the creation of the **National Pollutant Discharge Elimination System (NPDES)** permitting process.





NPDES (CONT.)

- NPDES required authorization to discharge pollutants from a POINT SOURCE into the waters of the United States. The small Municipal NPDES Permit is called a **PAG-13**.
- The PAG-13 Authorizes small municipalities to discharge stormwater from their **MS4!**
- There are also industrial & construction NPDES permits that the state issues.
- **BOTTOM LINE: IT IS ILLEGAL TO DISCHARGE TO WATERS OF THE UNITED STATES WITHOUT A PERMIT!!**





pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

PAG-13
AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s) APPROVAL OF COVERAGE

NPDES PERMIT NO.

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

is authorized to discharge from a regulated small municipal separate storm sewer system (MS4) located in , County to in Watershed(s) in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

APPROVAL OF COVERAGE TO DISCHARGE UNDER THIS GENERAL NPDES PERMIT IS AUTHORIZED BEGINNING ON . WHEN THE GENERAL PERMIT IS RENEWED, REISSUED OR MODIFIED, THE FACILITY OR ACTIVITY COVERED BY THIS APPROVAL FOR COVERAGE MUST COMPLY WITH THE FINAL RENEWED, REISSUED OR MODIFIED GENERAL PERMIT.

The authority granted by coverage under this General Permit is subject to the following further qualifications:

1. The permittee shall comply with the effluent limitations and reporting requirements contained in this General Permit.

2. Following initial coverage under this General Permit, the submission of Annual MS4 Status Reports in accordance with Part A III.D of the General Permit shall constitute the permittee's Notice of Intent (NOI) for continued coverage under the General Permit. The permittee shall be responsible for complying with the final renewed, reissued or amended General Permit. If the permittee is unable to comply with the renewed or amended General Permit, the permittee must submit an application for an individual NPDES permit within 90 days of publication of the final General Permit.

3. The NOI and its supporting documents are incorporated into this approval of coverage. If there is a conflict between the NOI or its supporting documents and the terms and conditions of this General Permit, the terms and conditions of this General Permit shall apply.

4. Failure to comply with the terms, conditions, or effluent limitations of this General Permit is grounds for enforcement action, permit termination or revocation.

5. (IF APPLICABLE) The permittee shall implement Pollutant Control Measures as specified in **Appendix (A, B and/or C)**.

6. (IF APPLICABLE) The permittee shall achieve pollutant loading reductions for **(sediment, Total Phosphorus and/or Total Nitrogen)** as specified in **Appendix (D or E)** by **(Date - 5 Years from Effective Date of Coverage)**.

This approval of coverage is authorized by:

_____

SAMPLE

CLEAN WATER ACT TODAY

- Today, state and federal agencies use a dual approach to address water quality: Point sources are controlled by permit programs, effluent limits, monitoring, and enforcement
- Water body integrity is supported by water quality standards that address all sources of impairment – including point and non-point source pollution.





NON POINT SOURCE POLLUTION

Non point Source Pollution –

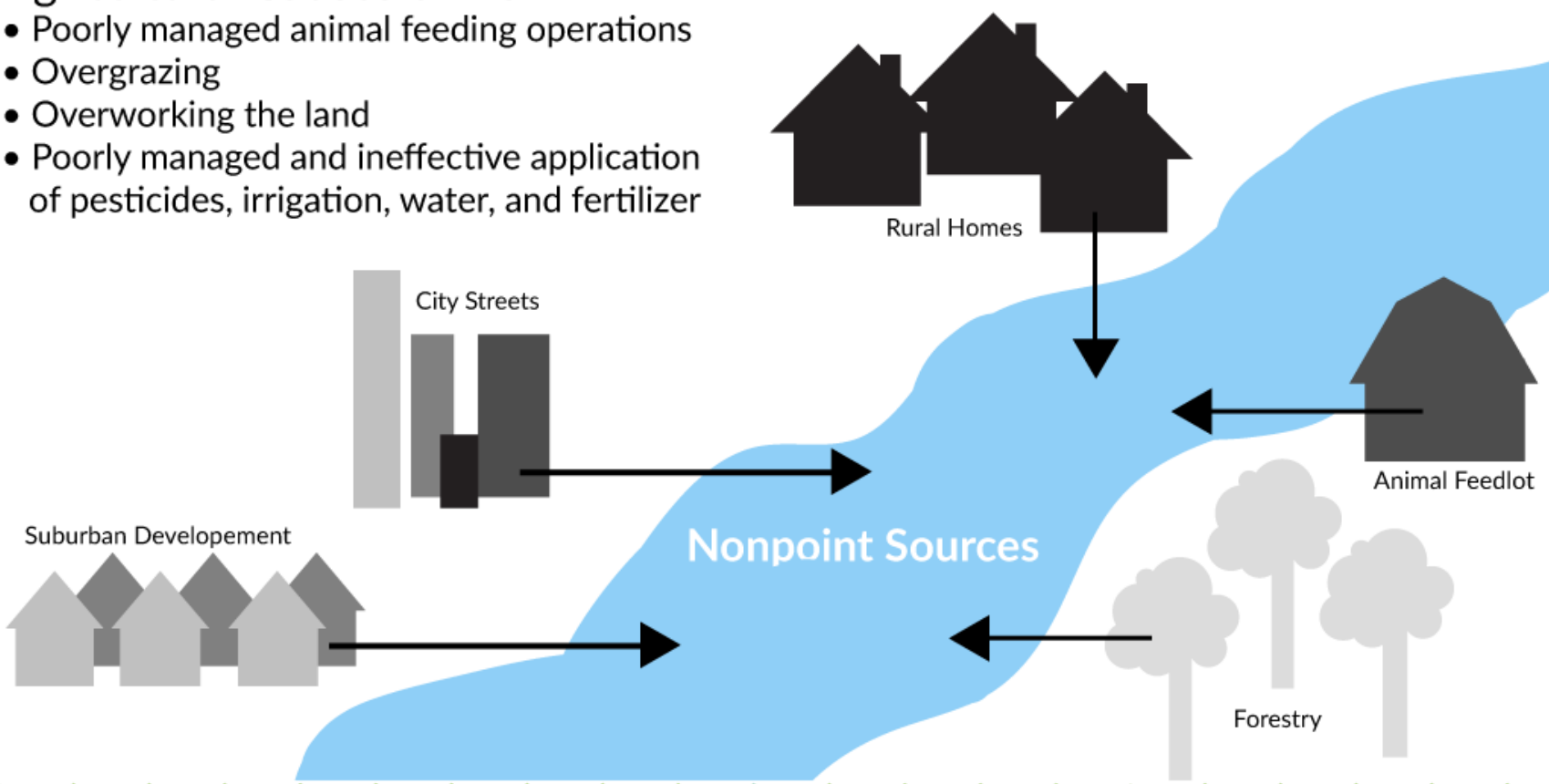
A source of pollution that is not confined to a single point. Generally results from land runoff, precipitation, atmospheric deposition, drainage, or seepage. NPSP is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks ups and carries away natural and human made pollutants, finally depositing them into lakes, streams, and rivers.

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

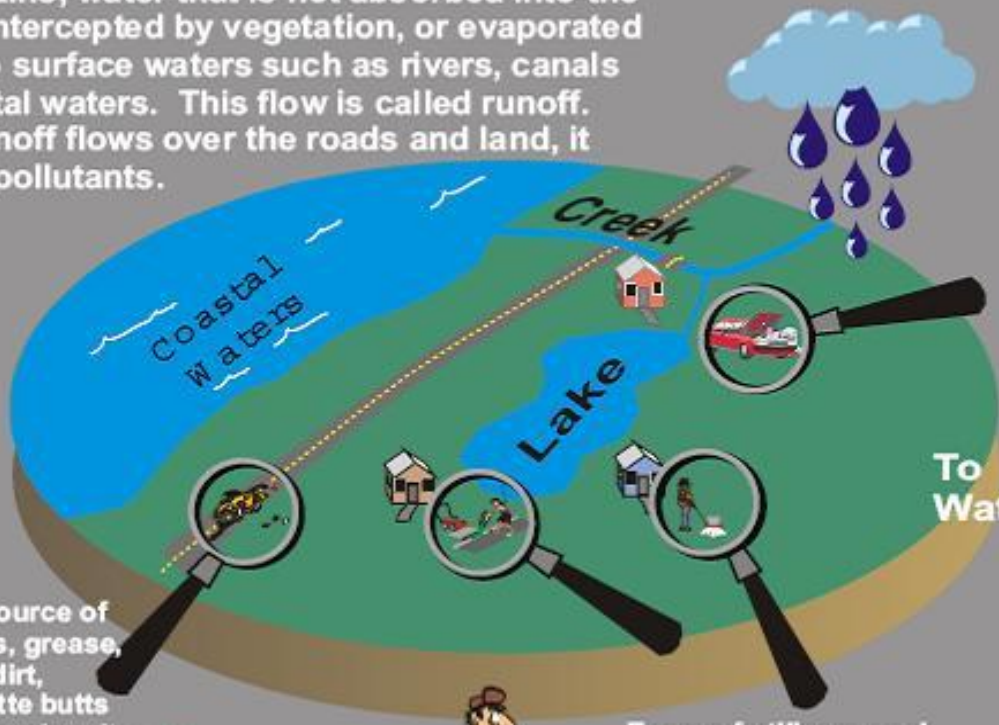
- Poorly managed animal feeding operations
- Overgrazing
- Overworking the land
- Poorly managed and ineffective application of pesticides, irrigation, water, and fertilizer



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.



Surface water can be polluted through groundwater.



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.



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



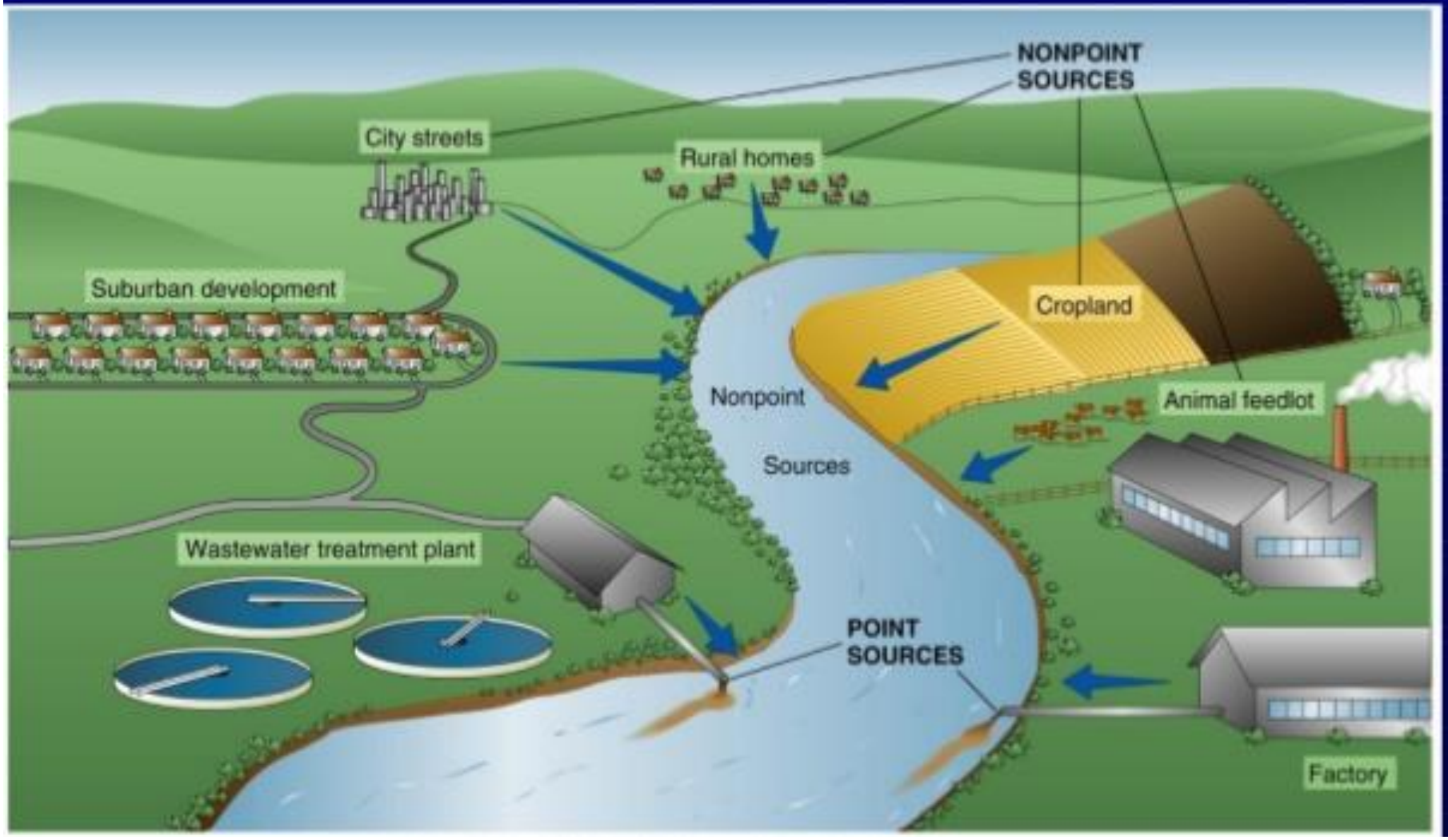
POINT SOURCE POLLUTION

Point Source Pollution –

Pollutant loads discharged at a specific location from pipes, outfalls, and conveyance channels from either municipal wastewater treatment plants or industrial waste treatment facilities.



Point Source and Non Point Source Pollutants

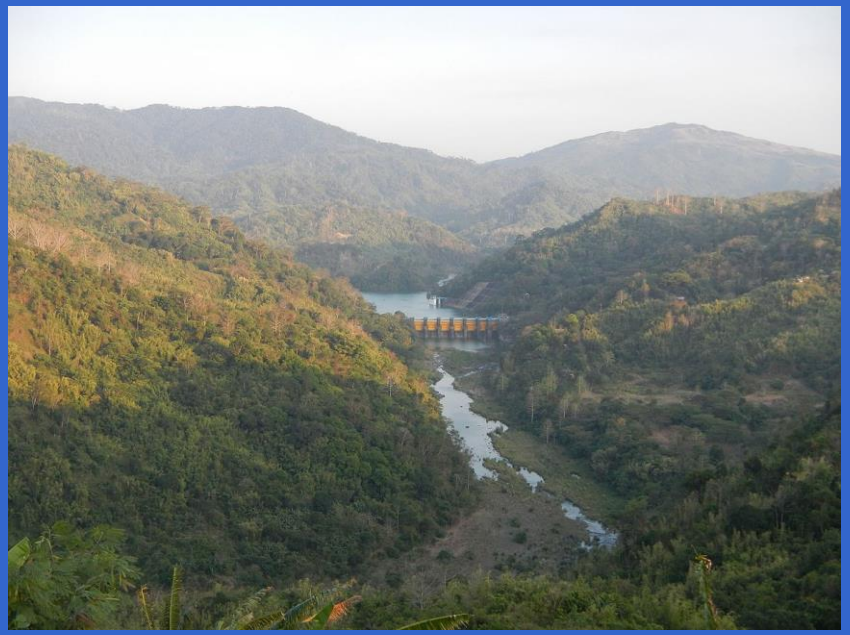


Videos – Clean water act

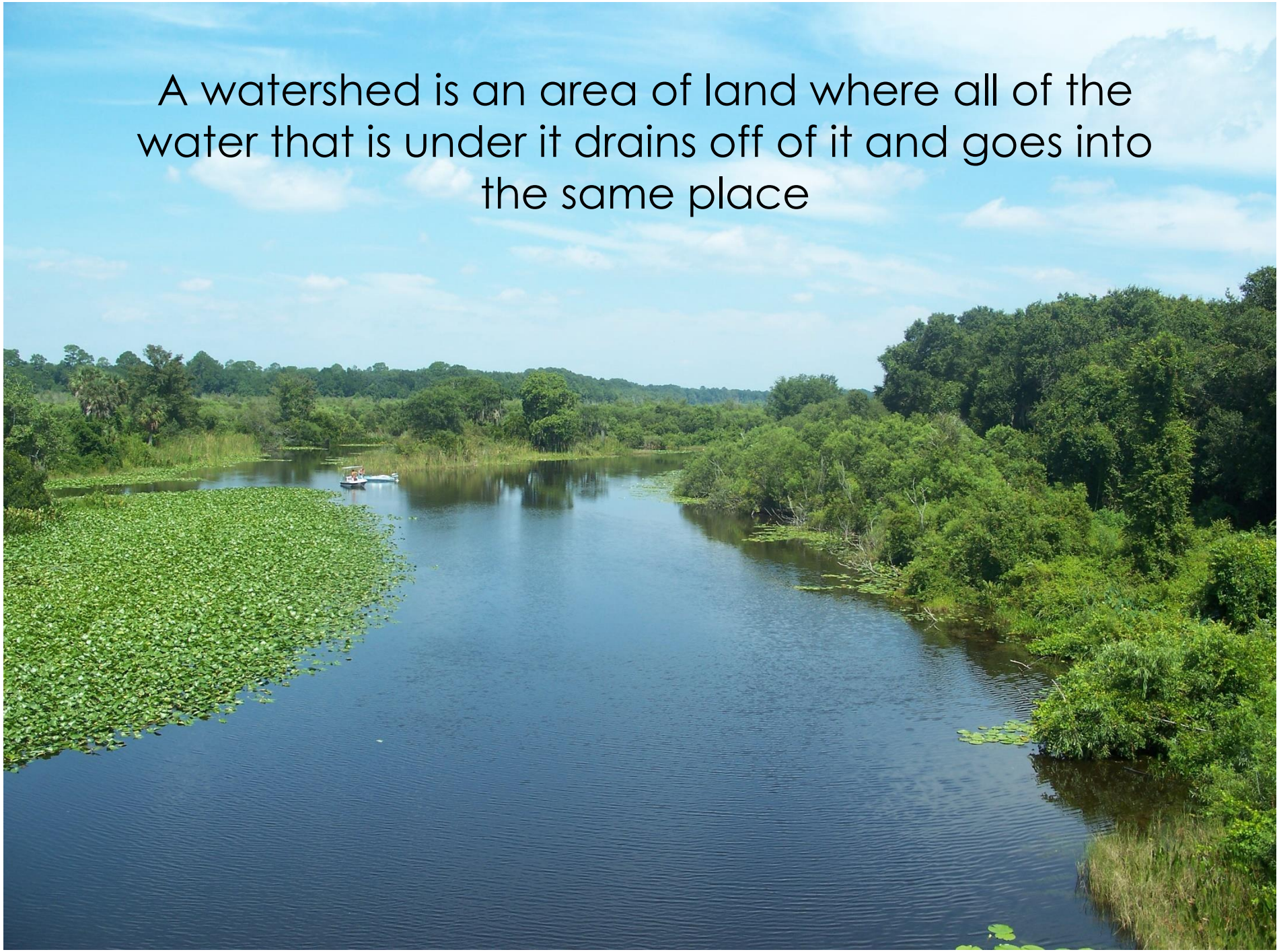
https://www.bing.com/videos/search?q=cuyahoga+river+fire+1969&view=detail&mid=D0259169296E2E13B8DFD0259169296E2E13B8DF&FORM=VIRE – Cuyahoga river fire 1969

https://www.youtube.com/watch?v=QtNH0E4XSdQ – Lake Erie

What is a Watershed?



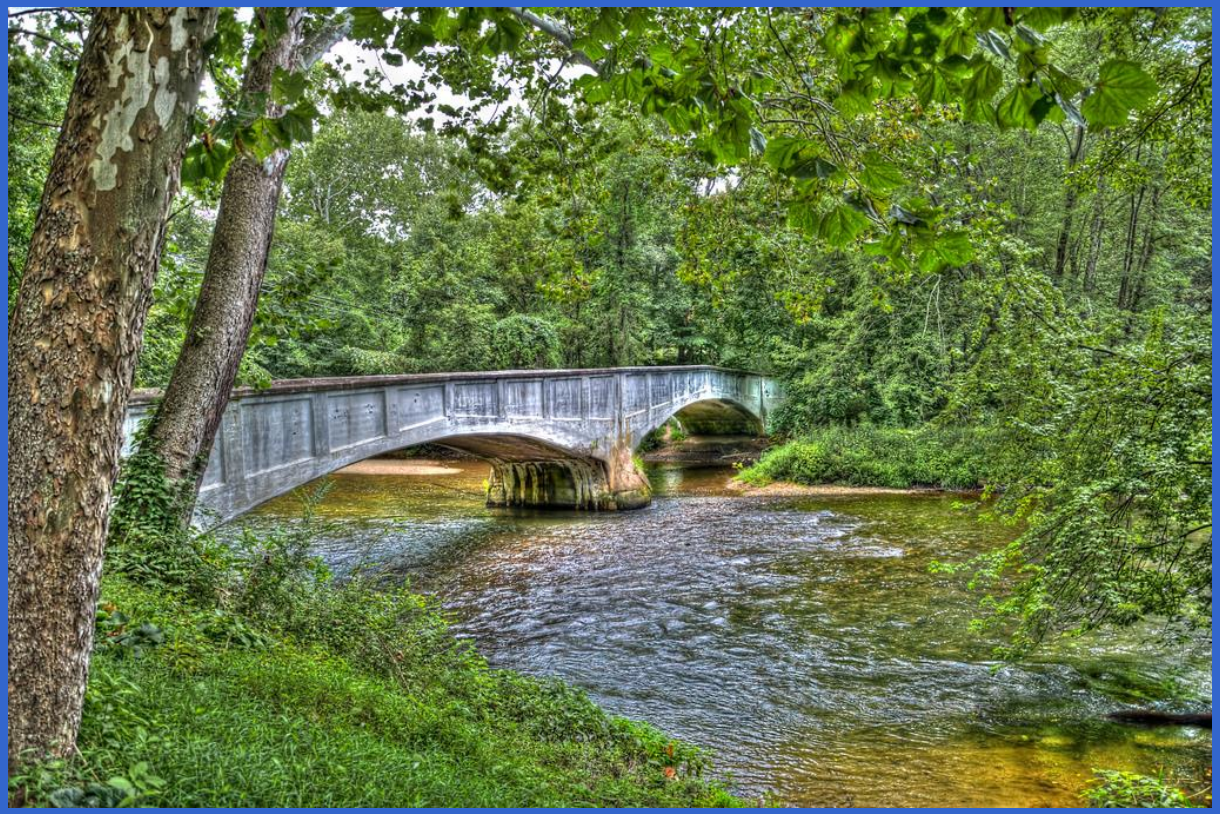
A watershed is an area of land where all of the water that is under it drains off of it and goes into the same place



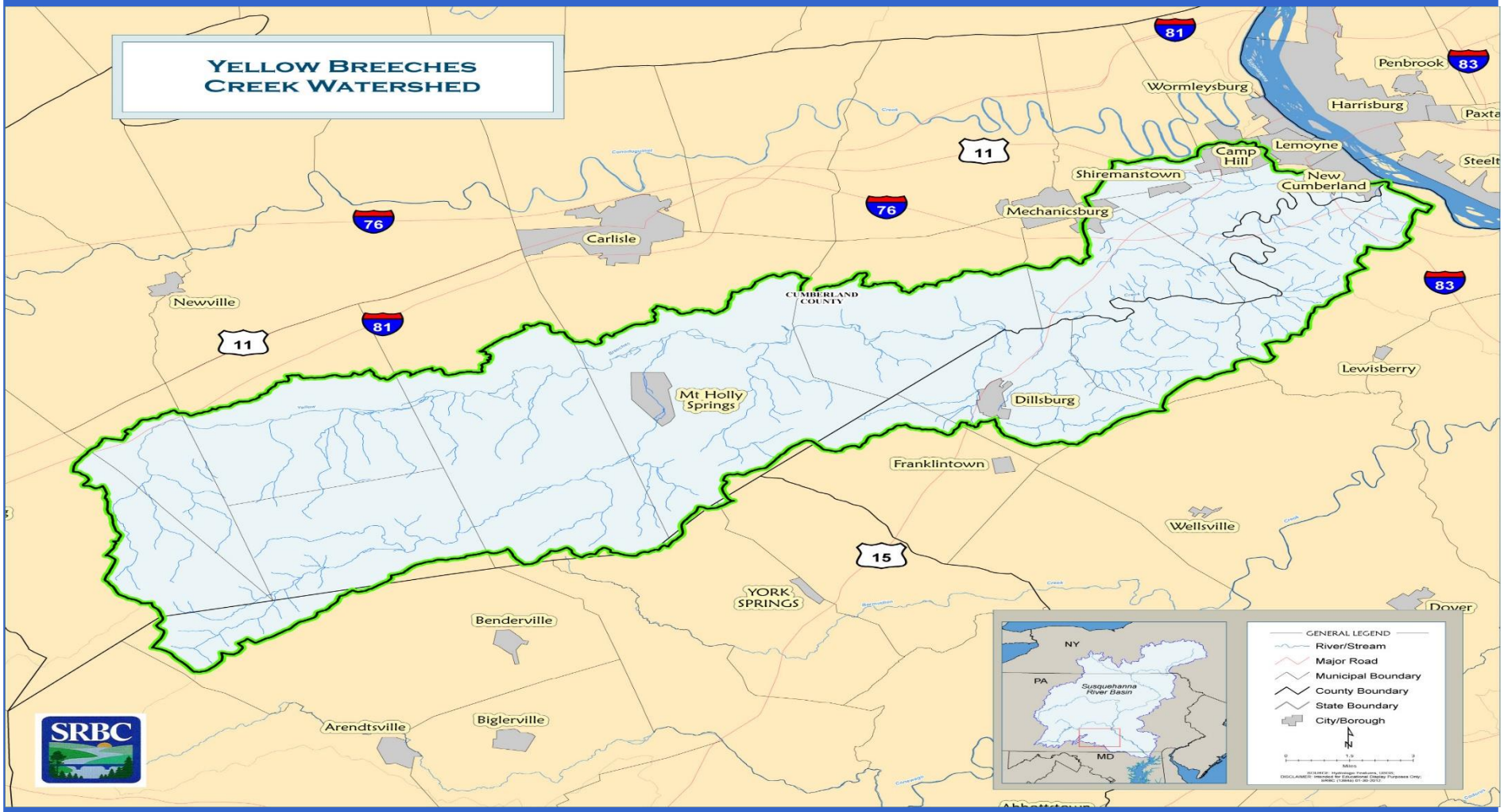
Everyone lives in a watershed.

Lower Allen Township is located in the Yellow Breeches Watershed which drains to the Susquehanna River Watershed.

The Yellow Breeches drains to the Susquehanna River.

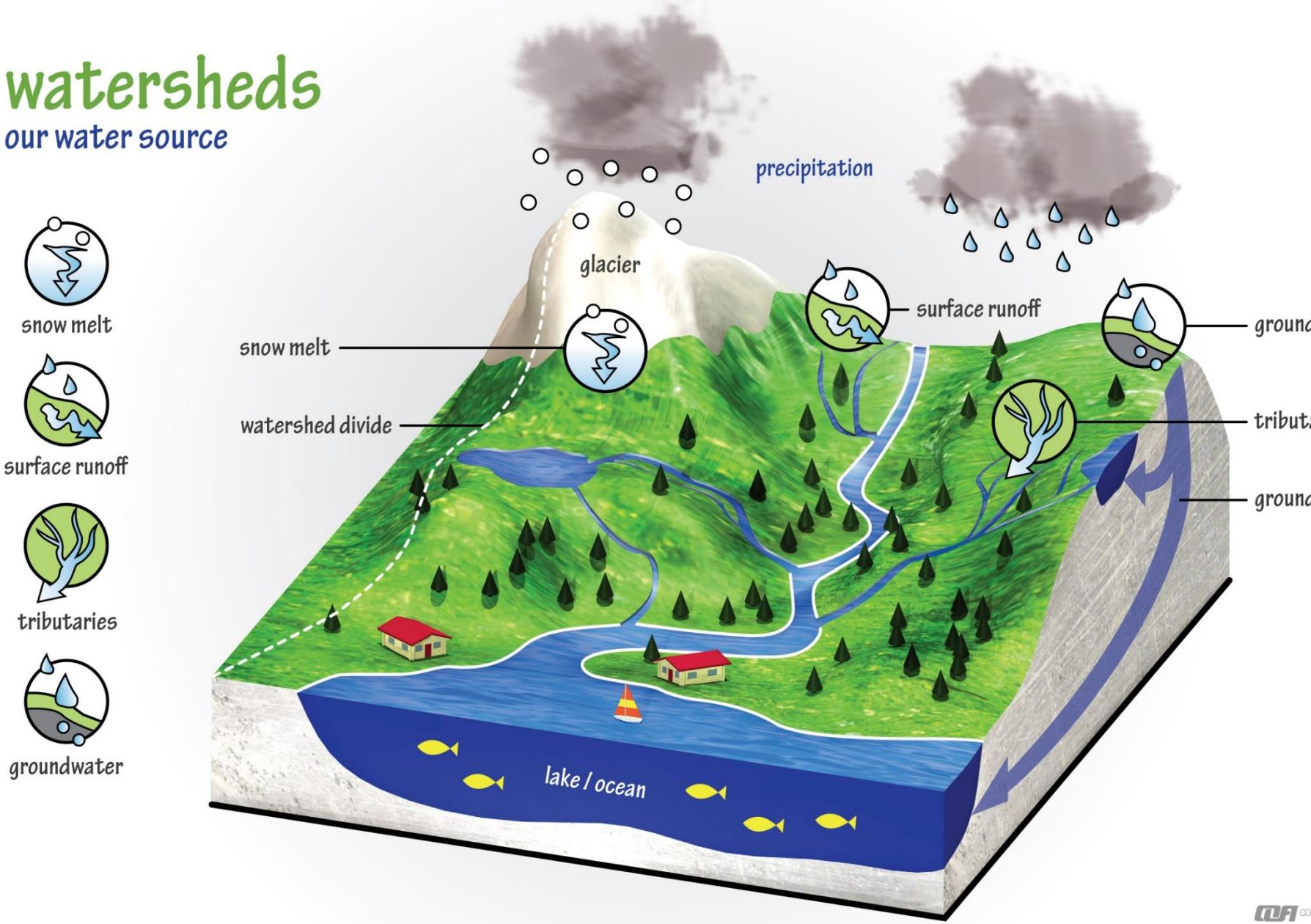


Yellow Breeches, Camp Hill PA


YELLOW BREECHES
CREEK WATERSHED
81
Penbrook
83
Wormleysburg
Harrisburg
11
Camp
Hill
Lemoyne
Shiremanstown
New
Cumberland
76
Mechanicsburg
Carlisle
76
83
Newville
CUMBERLAND
COUNTY
81
11
Lewisberry
Mt Holly
Springs
Dillsburg
Franklintown
Wellsville
15
YORK
SPRINGS
Dover
Benderville
Arendtsville
Biglerville
NY
PA
Susquehanna
River Basin
MD
GENERAL LEGEND
River/Stream
Major Road
Municipal Boundary
County Boundary
State Boundary
City/Borough
N
SRBC

watersheds

our water source



The earth has a limited amount of water. That water keeps going around and around and around and (you get the idea) in what we call the "Water Cycle".

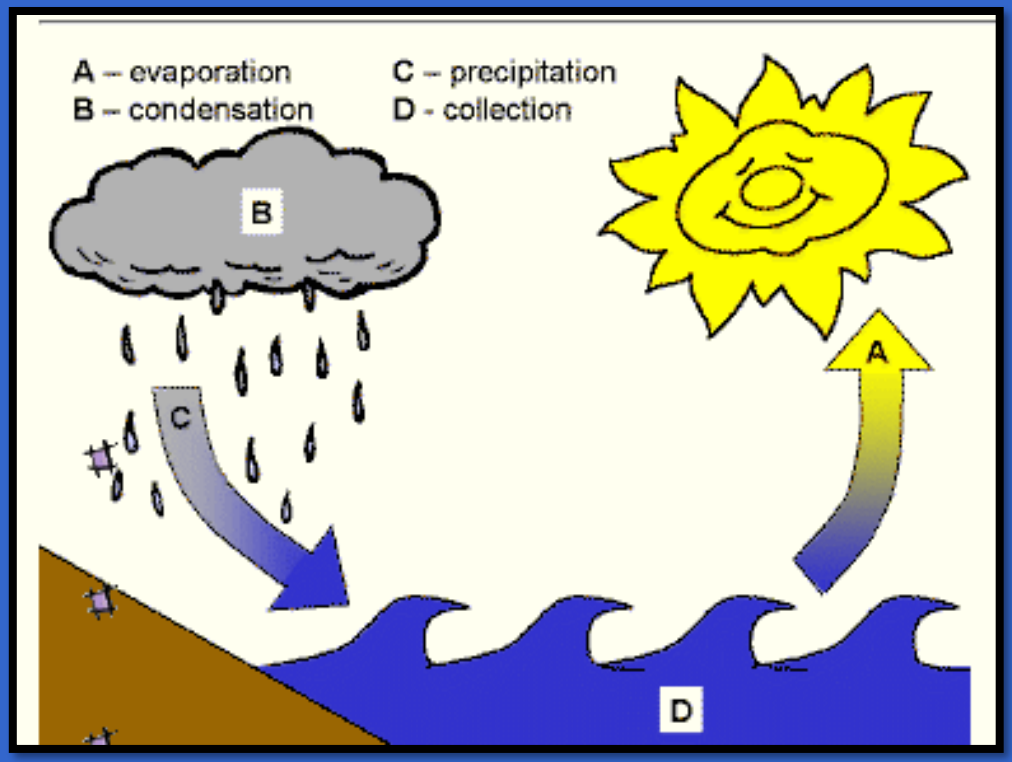
There are several parts that make up the water cycle:

A - Evaporation (and Transpiration)

B - Condensation

C - Precipitation

D - Collection





Let's talk about STORMWATER:



Where does all of the excess water (precipitation) go after it rains?

Has anyone seen one of these before?





Storm drains, storm sewers, streets, canals, and catch basins carry excess rain and ground water from paved streets, parking lots, sidewalks and roofs.









The neighborhood that you live in most likely uses storm drains to carry stormwater to creeks, streams, and rivers.

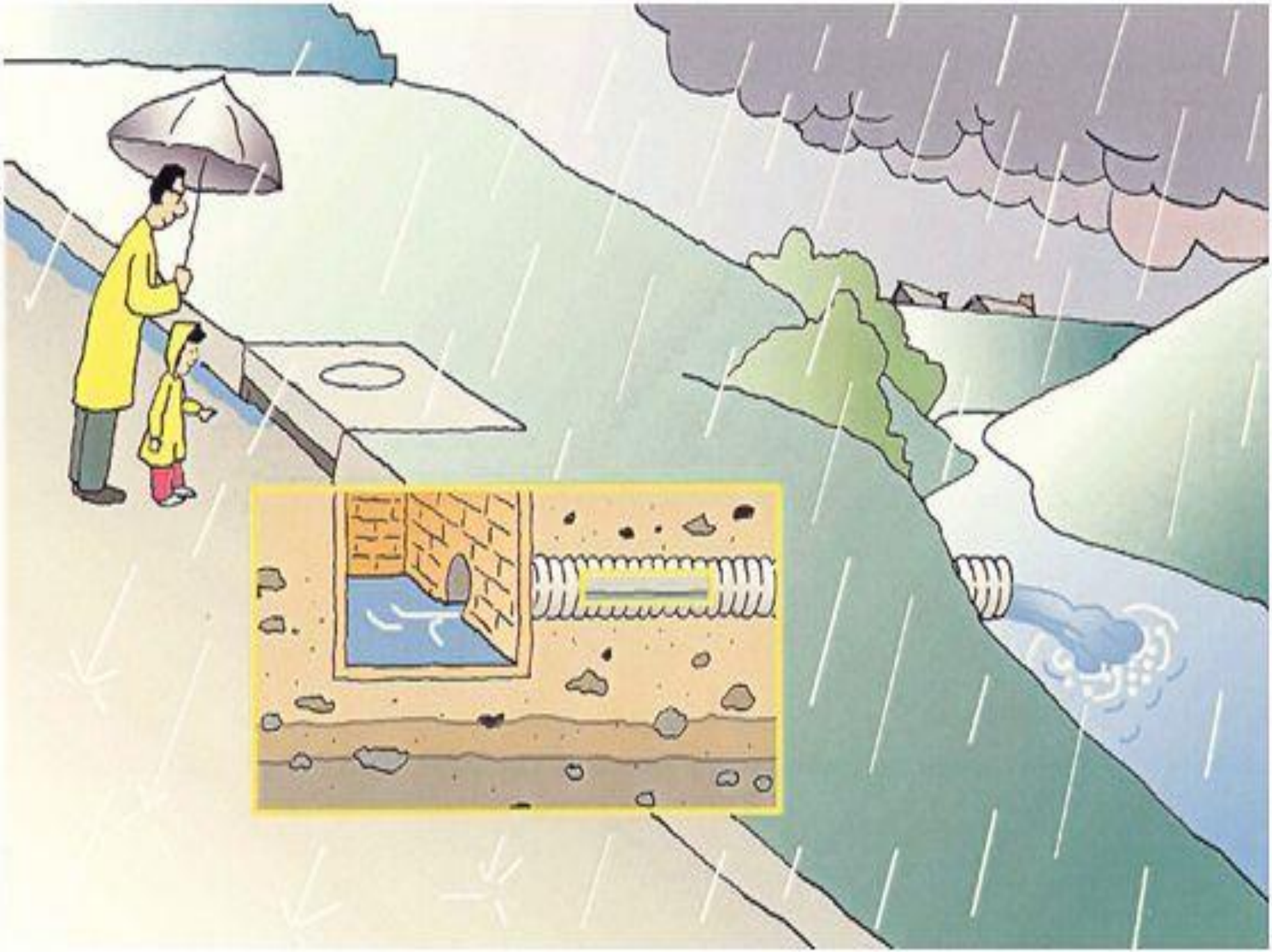
So……where does the storm sewers take the stormwater??





Storm sewers carry stormwater to detention ponds or directly to creeks, streams and rivers and eventually all of the water will end up in our oceans.





Some stormwater goes directly into creeks, streams, or rivers without entering pipes. The water is carried along streets and travels downhill directly into the body of water.

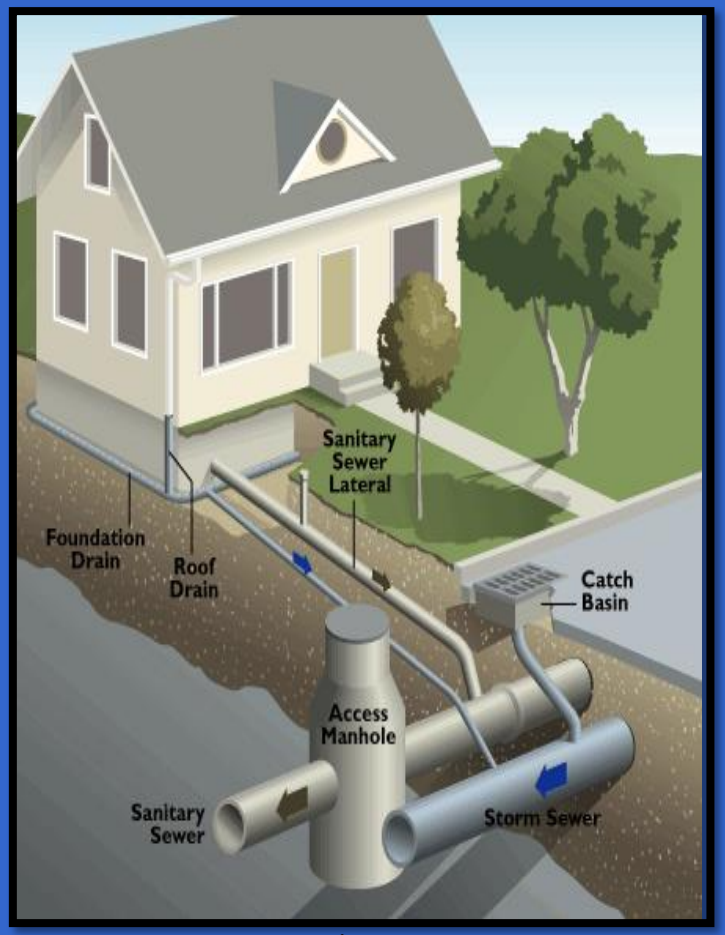




Does anyone know the difference between Storm Sewers and Sanitary Sewers?

Storm sewers carry rainwater only and the water does not get cleaned or treated.

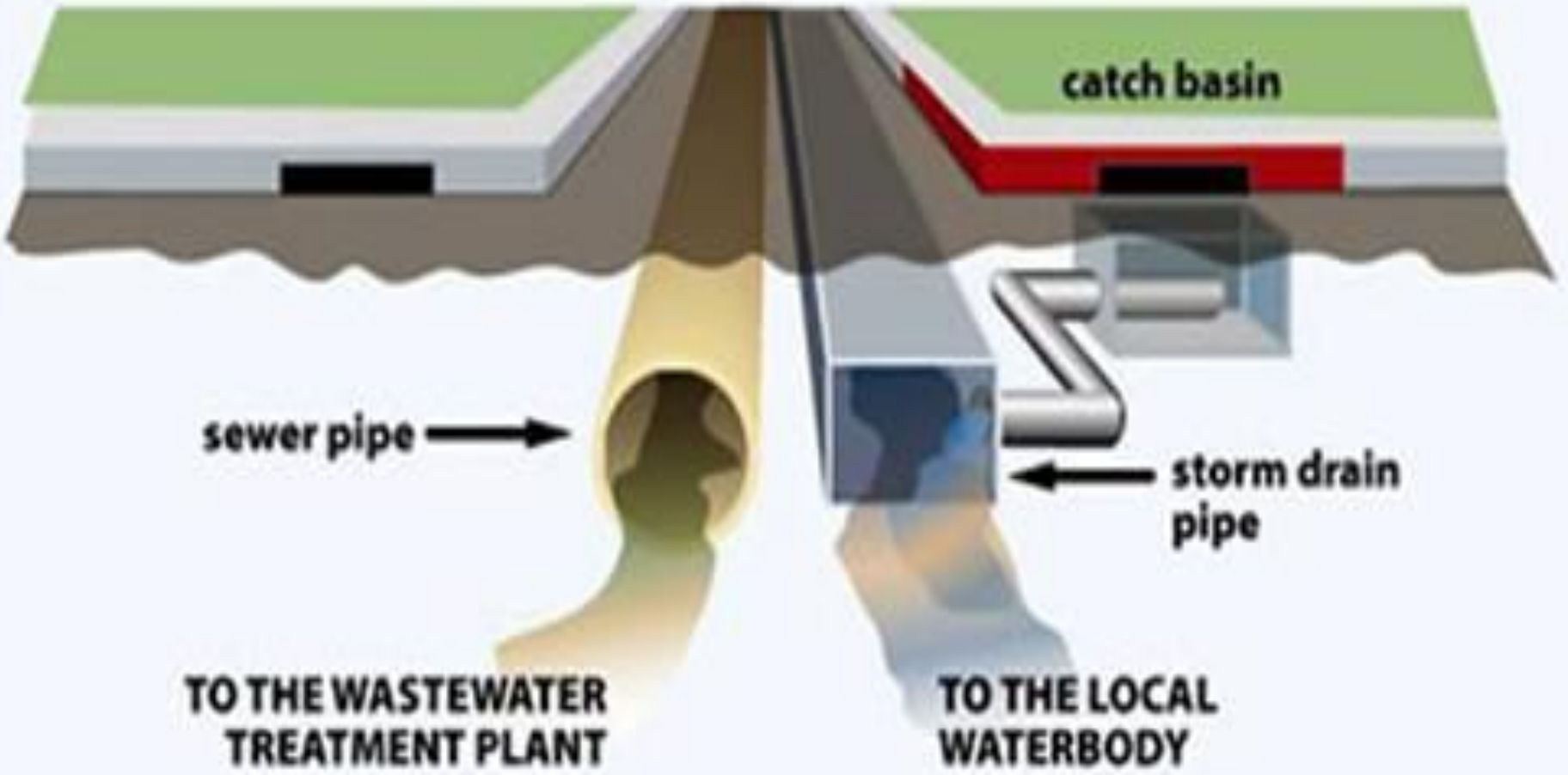
Sanitary sewers carry wastewater which eventually gets treated and cleaned at the wastewater treatment plant.



Sanitary sewer and storm sewer


Wastewater Treatment Plant

Storm Drain Systems are Separate from Wastewater Systems





Sanitary Sewer manhole lid – treated at a sewage treatment plant.



Storm Sewer manhole lid – discharges directly to stream – not treated.

Manhole Lid Covers

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.



Stormwater video:

https://www.youtube.com/watch?v=hqmyQtNN3I0 – Stormwater Education

https://www.bing.com/videos/search?q=stormwater+educational+videos&view=detail&mid=3C986F4372360814453E3C986F4372360814453E&FORM=VIRE

Stormwater Education

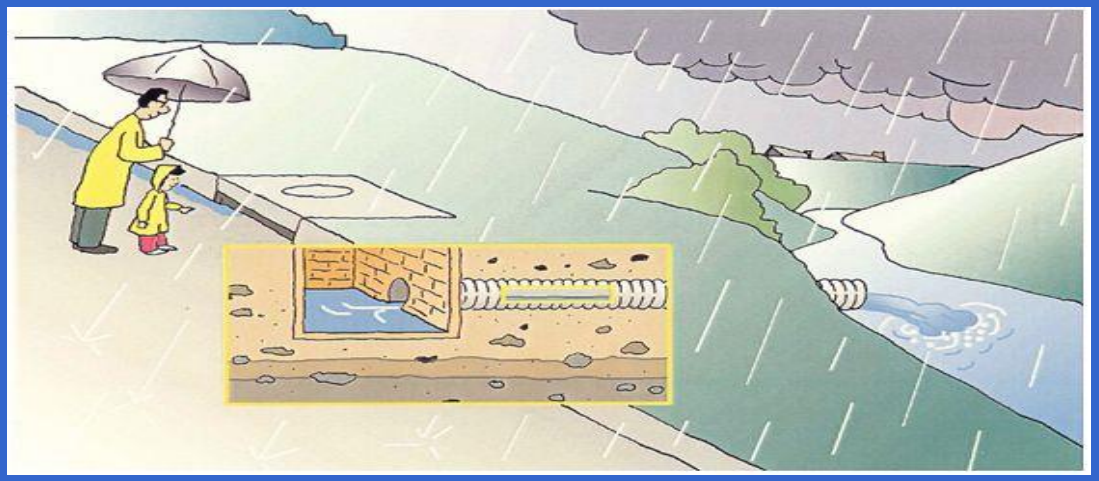
WHAT DOES MS4 STAND FOR?

- Municipal
- Separate
- Storm
- Sewer
- System

WHAT IS AN MS4?

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.)**



BACKGROUND

- Municipalities that meet certain standards must obtain National Pollutant Discharge Elimination System (NPDES) permit coverage (PAG-13) for discharges of stormwater from their municipal separate storm sewer systems (MS4s).

- The intent of the MS4 Program is to reduce pollutants into waters of the commonwealth.

- The MS4 Program is regulated by BOTH the United States Department of Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP).

MS4 PERMITTING REGULATIONS

- Phase 1, issued in 1990, requires medium and large cities or certain counties with populations of 100,000 or more to obtain NPDES permit coverage for their stormwater discharges. There are approximately 750 Phase I MS4s (Examples – Philadelphia, Allentown).

- Phase II, issued in 1999, requires regulated small MS4s in urbanized areas, as well as MS4s outside of the urbanized areas that are designated by the permitting authority, to obtain NPDES permit coverage for their stormwater discharges. There are approximately 6,700 Phase II MS4s.

- Generally, Phase I MS4s are covered by Individual permits and Phase II MS4s are covered by General Permits.

STORM WATER PERMIT PROGRAM FOR SMALL COMMUNITIES – PHASE II

- Federal regulation requires permit for municipalities that are classified by the USEPA as urbanized areas.

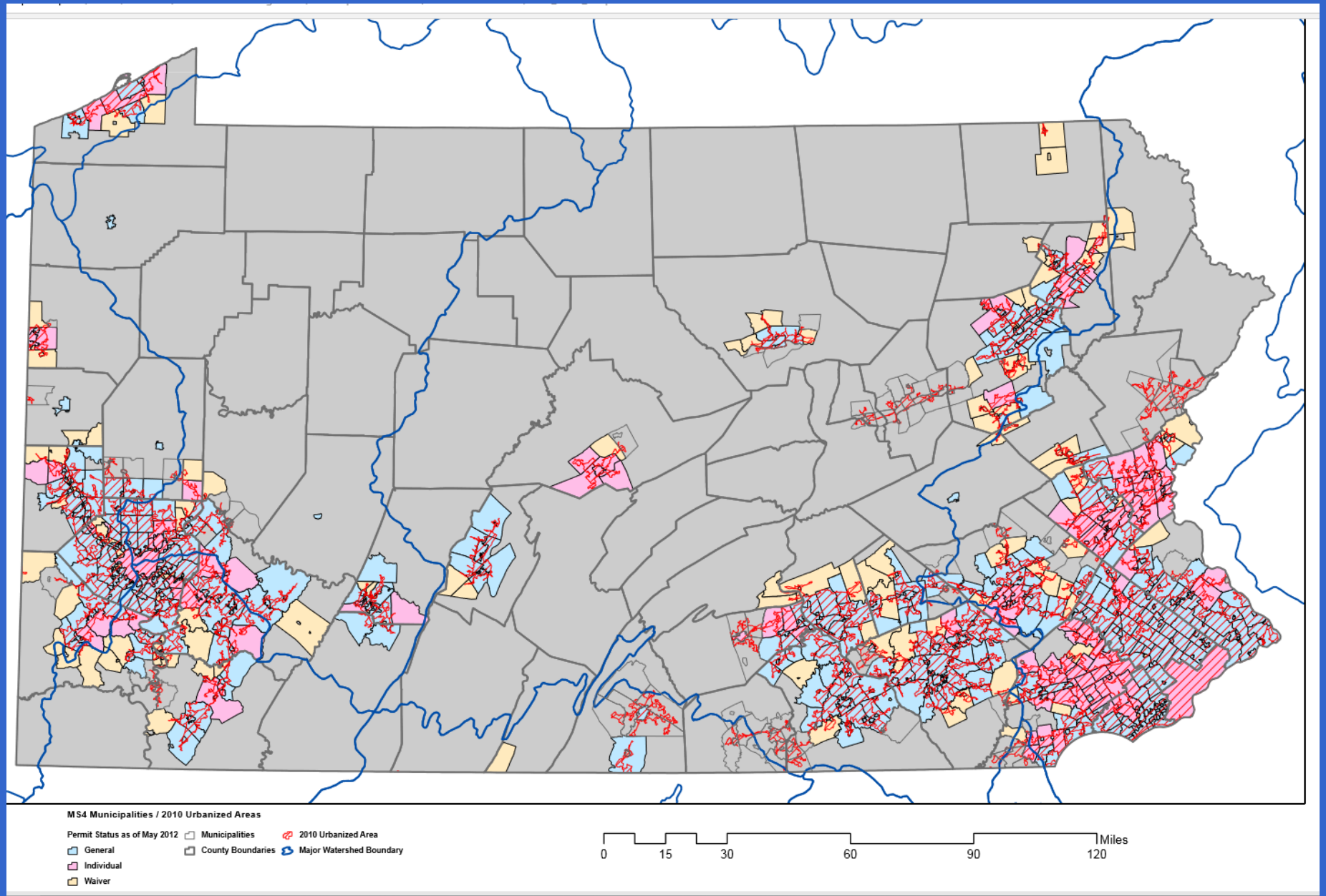
  National Pollutant Discharge Elimination System (NPDES) PAG-13

- PA DEP created state permitting program to meet federal regulation

US EPA – URBANIZED AREAS

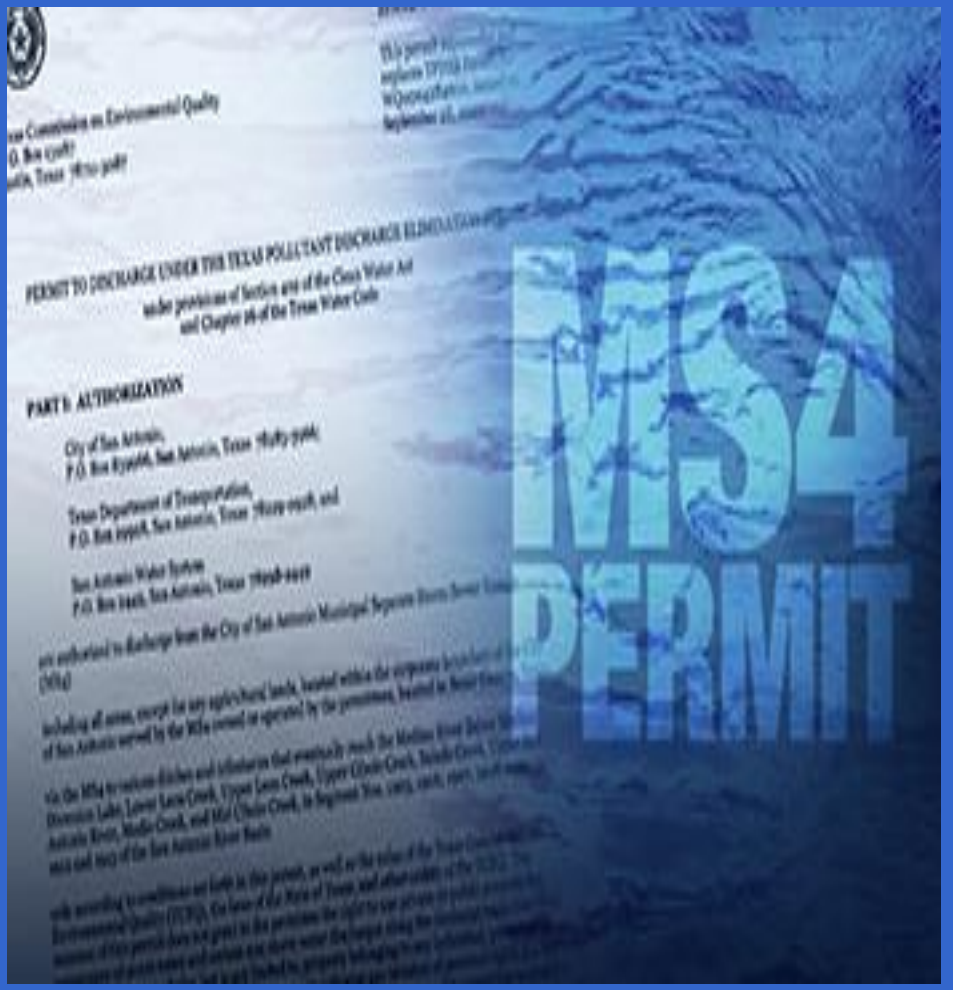
- The US EPA determines whether or not a community is in the Urbanized Area (UA) by using data from the US Census Bureau.
- Officials from small MS4s can determine if they are located within a UA by contacting:
  - The State or NPDES Permitting Authority (PADEP in PA)
  - County or Regional Planning Commissions or Boards
  - US EPA

PA MS4 Regulated Communities



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 and develop a written Stormwater management plan (SWMP).**
- **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.**
- **Six (6) Minimum Control Measures (MCMs) must be re-evaluated annually to determine compliance.**



6 MINIMUM CONTROL MEASURES (MCM'S)

- ***Public Education and Outreach***
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination (IDDE)
- Construction Site Stormwater Runoff Control
- Post Construction Stormwater Management
- Pollution Prevention/Good Housekeeping

GENERAL MS4 PERMIT INFORMATION – LOWER ALLEN TOWNSHIP



NPDES MS4 PAG 133711

- Effective Date: April 1, 2013
- Expiration Date: March 15, 2018

2018 General PAG-13 MS4 Permit

- Effective Date: March 16, 2018
- Expiration Date: March 15, 2023
- First reporting period ends on June 30, 2018
- First Annual Report due September 30, 2018 (April 1, 2017- June 30, 2018)
- All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30

Stormwater Management

MCM #1 – PUBLIC EDUCATION & OUTREACH PROGRAM (PEOP)



- **MCM #1 requires MS4s implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of stormwater discharges on local waterbodies and the steps that can be taken to reduce stormwater pollution.**

- **Determine the appropriate best management practices (BMPs) and measurable goals for this MCM.**



PUBLIC EDUCATION & OUTREACH PLAN

FOR

MS4 PROGRAM – MCM #1
LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PA

REVISED 04-06-2018

Written by:
Rebecca L. Davis, MS4 Coordinator

Approved by:
Daniel J. Flint, P. E., Township Engineer

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ATTACHMENT # 3 9
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Target Audience List 14

GUIDELINES FOR DEVELOPING MCM #1

3 Main action areas are important for successful implementation of a public education and outreach program.

1. Forming Partnerships
2. Using Educational Materials and Strategies
3. Reaching Diverse Audiences



FORMING PARTNERSHIPS



- Utilize partnerships with other governmental entities to fulfill this MCM
  (PADEP, Neighboring municipalities)
- Seek assistance from non-governmental organizations, since many already have educational materials and perform outreach activities
- Examples – YBWA (creek clean up events), Cedar Cliff High School, Mechanicsburg Earth Day Festival

USING EDUCATIONAL MATERIALS & STRATEGIES

- You may use stormwater educational information provided by the State, EPA Region, or environmental association
- Create your own brochures

- Examples Include:
  - Brochures
  - Recreational guides
  - Stormwater Hotlines
  - Alternative information sources (websites, Facebook, posters)
  - Educational Programs
  - Storm Drain Stenciling
  - Newsletter Articles
  - www.latwp.org



www.latwp.org

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

HOME | INFORMATION | ELECTED GOVERNMENT | AGENDAS & MINUTES | ADMIN | COMMUNITY DEVELOPMENT | MS 4 STORM WATER | PARKS | PUBLIC WORKS | PUBLIC SAFETY POLICE • EMS FIRE

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 (BMPs)
- Resources

MARKING INLETS

MARKING INLETS

LEAF COMPOSTING

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

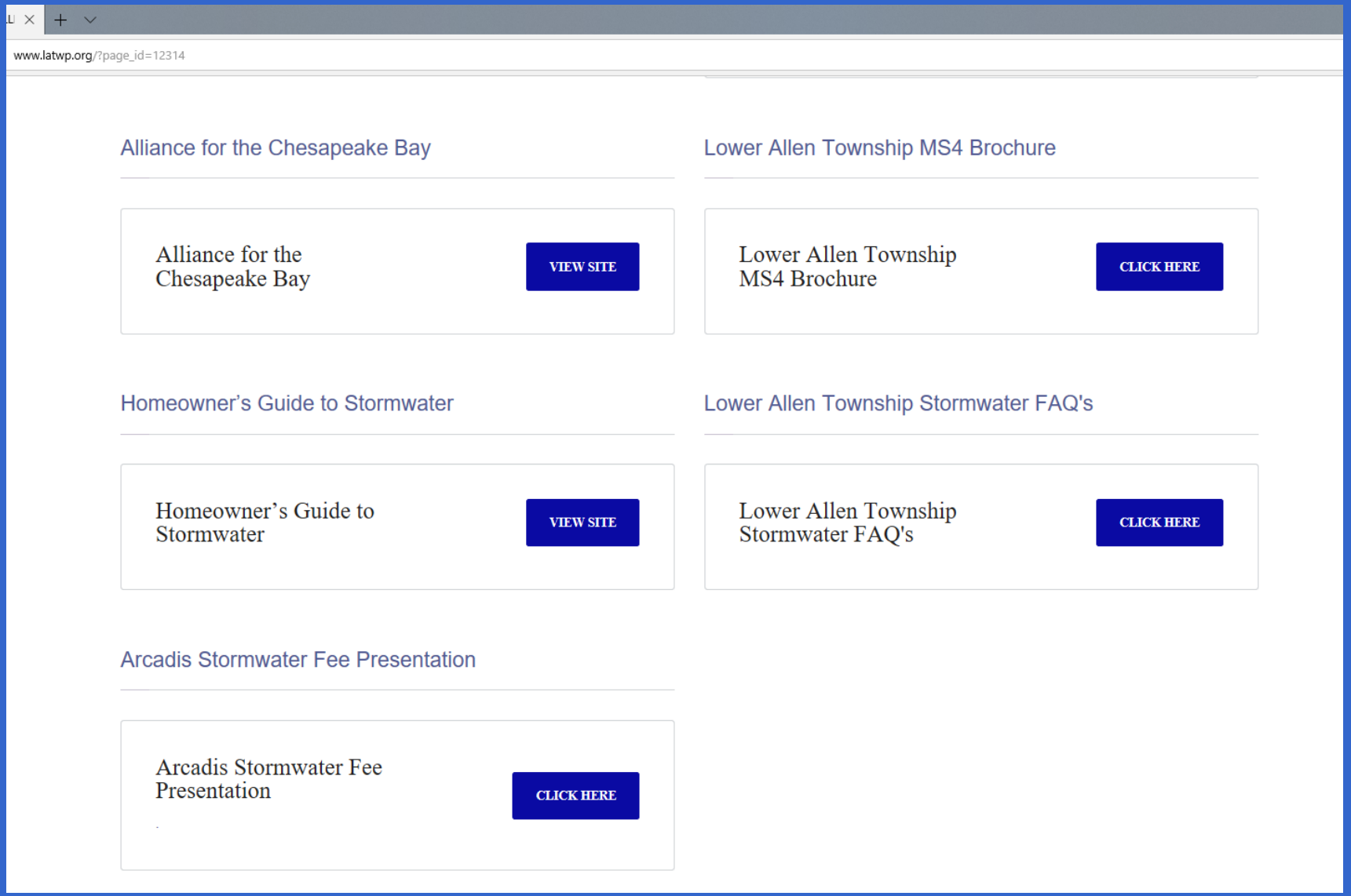
Information provided by the Environmental Protection Agency (USEPA) www.epa.gov & PA Department of Environmental Protection (PADEP) www.dep.pa.gov

Lower Allen Township

A Township of the First Class

A Residential Guide for Preventing Stormwater Pollution




www.latwp.org/?page_id=12314
Alliance for the Chesapeake Bay
Alliance for the Chesapeake Bay
VIEW SITE
Lower Allen Township MS4 Brochure
Lower Allen Township MS4 Brochure
CLICK HERE
Homeowner's Guide to Stormwater
Homeowner's Guide to Stormwater
VIEW SITE
Lower Allen Township Stormwater FAQ's
Lower Allen Township Stormwater FAQ's
CLICK HERE
Arcadis Stormwater Fee Presentation
Arcadis Stormwater Fee Presentation
CLICK HERE

REACHING DIVERSE AUDIENCES

The PEOP should use a mix of strategies to address the viewpoints and concerns of a variety of audiences and communities.

Include children, businesses, industrial and commercial uses etc.

Examples include:

Brochures to restaurants about the effects of grease clogging storm drains.

Handouts to auto garages about the effects of dumping motor oil into storm drains.

Presenting educational programs to local schools or recreation programs.

Flyers to neighborhoods that place grass clippings in the street.

MEASURABLE GOALS



- Measurable goals are required for each MCM and must be included in your annual report to PADEP.
- The goals should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measures(MCM).
- They should allow the MS4 to make improvements to its program over each 5-year permit term by providing data on program successes and shortfalls

LOWER ALLEN TOWNSHIP
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

02.15.2018

Memo

To
Daniel Flint, P.E. (DF)

From
Rebecca Davis (RD)

CC
R. Allen (RA)

Re
Meeting Minutes
MS-4 Annual Review

On February 14, 2018, the staff members listed below gathered to review and revise as necessary the MS-4 program in Lower Allen Township. The program was discussed in the order of the six (6) Minimum Control Measures (MCMs) that make up the program.

Present:

Daniel Flint, P.E. (DF)
William P. Gralski (WPG)
Raymond Allen (RA)
Rebecca Davis (RD)

Comments:

The meeting began promptly at 1:00 PM and the discussions are described below:

MCM # 1 Public Education and Outreach

The main point discussed in this section of the meeting was the need for any modifications to target audience list. DF noted that we might want to customize the Target Audience List to reflect certain geographical regions of the Township by using GIS and mapping to determine Industrial and Commercial Areas to add to the list. RD discussed outreaching to schools, summer recreation programs, and the West Shore Chamber of Commerce. WG discussed the outreach that would occur with the possible adoption of a stormwater fee for the Township. DF indicated that there would be advertised public meetings to discuss the fee. DF also indicated that the annual public meeting to discuss MS4 would be occurring in March.

Lower Allen Township

Tel (717) 975-7575

2233 Gettysburg Rd.
Camp Hill, Pa. 17011

VIDEO

https://youtu.be/jcMxD5cAoQw - leaders from Lemoyne, Harrisburg, and Lower Paxton share their perspectives on the stormwater management challenge.

MCM #2 – PUBLIC INVOLVEMENT AND PARTICIPATION





- **The USEPA believes that the public can provide valuable input and assistance to the MS4s municipal stormwater management program.**
- **The public should be given opportunities to play an active role in both the development and implementation of the program.**
- **Active and involved communities are crucial to the success of a stormwater management program.**

WHY IS PUBLIC PARTICIPATION AND INVOLVEMENT NECESSARY?

Broader Public Support

- Citizens who participate in the development and decision making process are partially responsible for the program, and therefore may be less likely to raise legal challenges to the program and more likely to take an active role in its implementation.

Shorter implementation schedules

- Due to fewer obstacles in the form of public and legal challenges and increased sources in the form of citizen volunteers.

A Broader Base of Expertise and Economic Benefits

- Since the community can be a valuable, and free, intellectual resource.

A Conduit to other Programs

- Citizens will provide cross-connections and relationships with other community and government programs.



PUBLIC INVOLVEMENT & PARTICIPATION PLAN

FOR

MS4 PROGRAM – MCM #2
LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PA

April 6, 2018

Written by:
Rebecca L. Davis, MS4 Coordinator

Approved by:
Daniel J. Flint, P. E., Township Engineer

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ATTACHMENT # 3 9
Annual MS-4 Program Review 9
ATTACHMENT # 4 12
Target Audience List 13



WHAT IS REQUIRED?



Comply with applicable State and local public notice requirements.

-Advertise public meetings that will be discussing MS4 requirements. Put the advertisements on the Township's website and Facebook page if applicable.

Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure such as:

- Public meetings/citizen panels
- Volunteer water quality monitoring
- Volunteer educators/speakers
- Storm drain stenciling
- Community clean – ups
- Citizen watch groups
- "Adopt a storm drain"

LAT Examples:
Public Meetings
YBWA Cleanups
Cub Scout clean up
Cub Scout tree plantings
Girl Scout – Bmp Signs
Cub Scout - Stenciling

IMPLEMENTATION CHALLENGES

- Alternate advertising methods as much as possible. Include radio, television, posting and distribution of flyers, neighborhood HOA outreach, telephone notifications, Facebook & website.

- Include a diverse cross-section of people who can offer a multitude of concerns, ideas, and connections during the program development process.

- Remember to document your steps along the way and have measurable goals and ways to improve your program.





VIDEOS

https://www.bing.com/videos/search?q=developing+a+public+outreach+and+education+program+ms4&&view=detail&mid=482698F864A3B3B8FC49482698F864A3B3B8FC49&&FORM=VRDGA

Developing a public outreach and education program MS4

https://www.bing.com/videos/search?q=Community+outreach+stormwater+education&&view=detail&mid=35612C804469C2CB75BC35612C804469C2CB75BC&&FORM=VRDGAR

Stormwater outreach summary

MCM #3 – ILLICIT DISCHARGE DETECTION & ELIMINATION





MCM #3 requires development, implementation, and enforcement of an illicit discharge detection and elimination program.

What is an **"ILLICIT DISCHARGE?"**

An illicit discharge is any discharge to an MS4 that is not comprised entirely of stormwater.

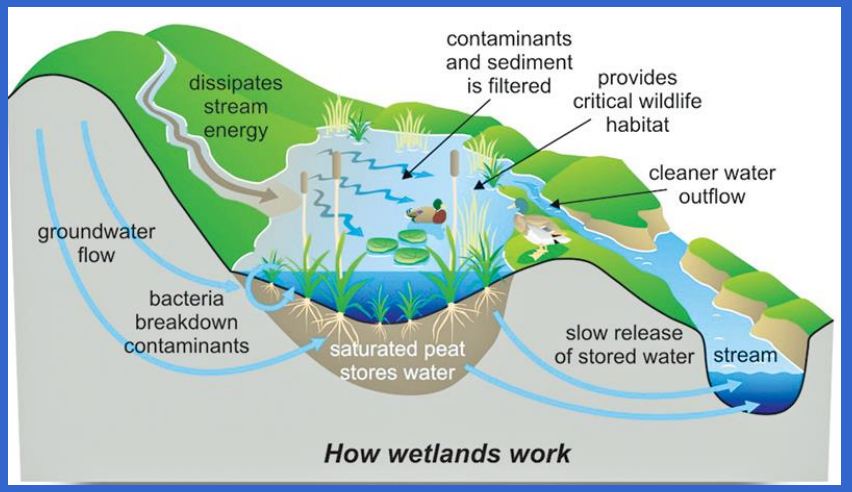
Examples Include:

- Sanitary wastewater
- Effluent from septic tanks
- Car wash wastewaters
- Improper oil disposal
- Radiator flushing disposal
- Laundry wastewaters
- Spills from roadway accidents
- Improper disposal of auto and household toxics

ILLICIT DISCHARGES (CONT.)

- There are some exceptions to illicit releases to the MS4.
- Your municipality's stormwater management ordinance will specifically list the exceptions.
- PADEP required municipalities that are categorized as MS4s to adopt specific stormwater management ordinances (A MODEL ORDINANCE)
- Examples include releases from fire fighting activities, air condition condensate, springs, flows from wetlands, etc.





ILLICIT DISCHARGES (CONT.)

Illicit discharges from MS4s often include wastes and wastewater from non-stormwater sources.

Illicit discharges enter the system through either direct connections (wastewater piping) or indirect connections (Infiltration into the MS4 through cracked pipes, spills collected by drain outlets, or paint or used oil dumped directly into a drain).

The result is untreated discharges that contribute high levels of pollutants, including heavy metals, toxics, oil and grease, solvents, nutrients, viruses and bacteria to receiving waterbodies.

Pollutant levels from these illicit discharges have been shown in EPA studies to be high enough to significantly degrade receiving water quality and threaten aquatic, wildlife, and human health.


LIFESTYLE
adidas



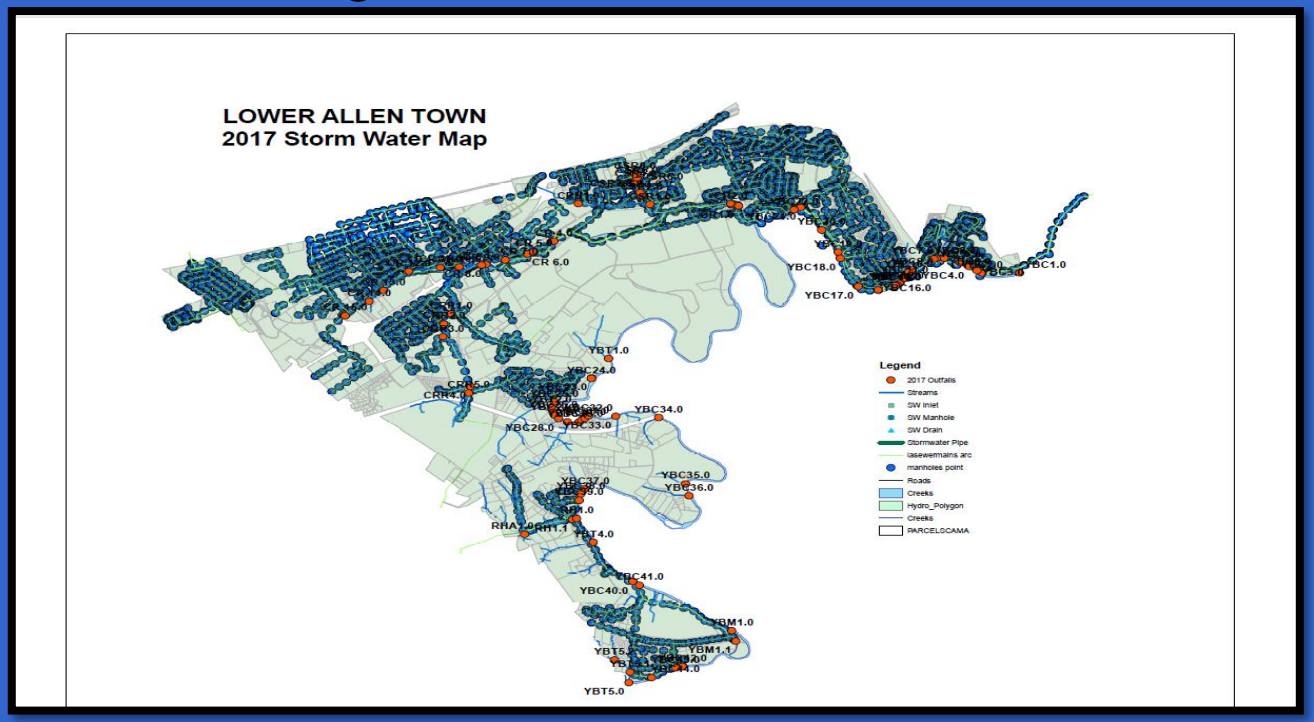




REQUIREMENTS OF AN ILLICIT DISCHARGE AND DETECTION PROGRAM

The IDD&E Program must include the following:

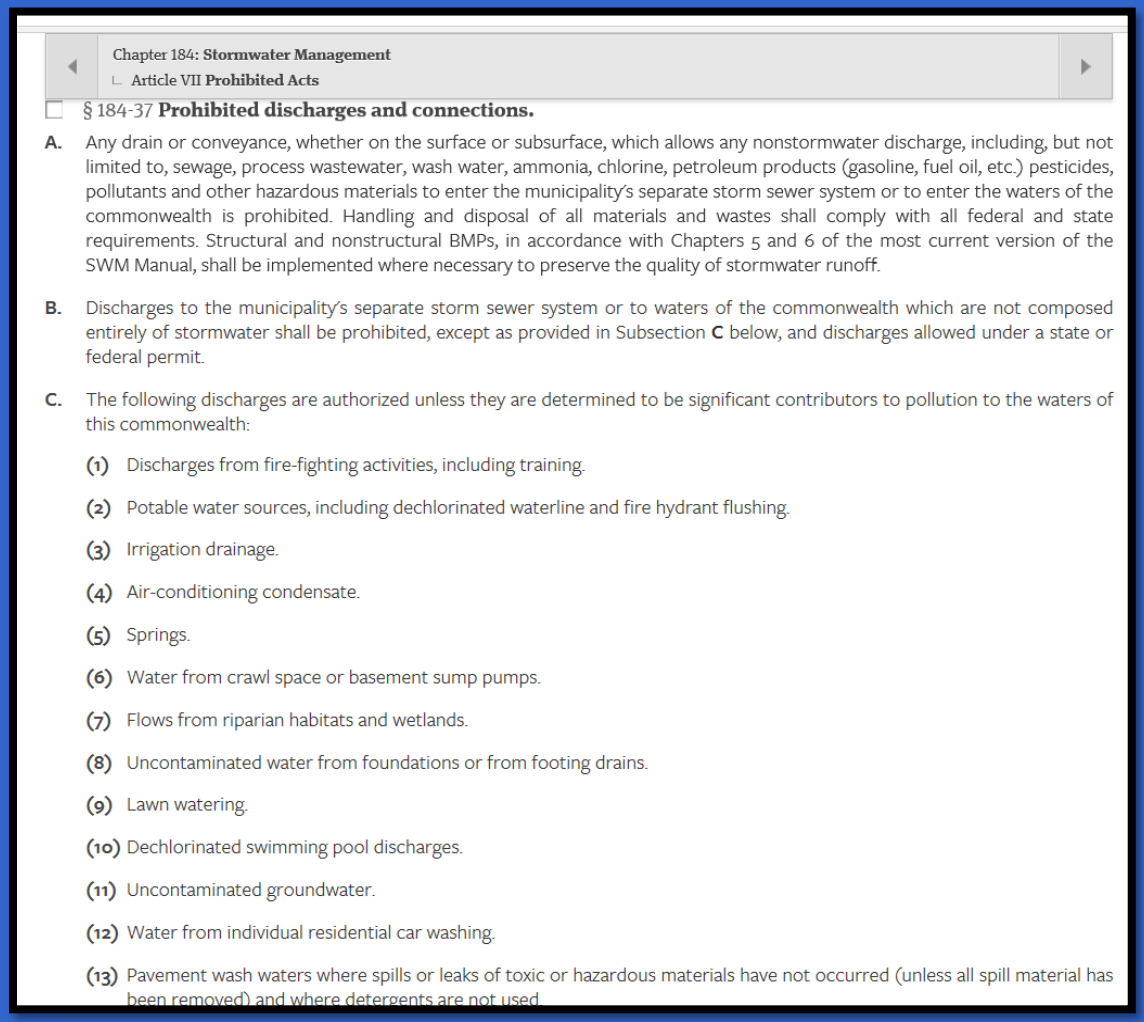
1. **A storm sewer system map. The map must show the locations of all outfalls and the names and locations of all waters of the United States that receive discharges from those outfalls.**



REQUIREMENTS OF AN ILLICIT DISCHARGE AND DETECTION PROGRAM

The IDD&E Program must include the following:

2. Through an ordinance, or other regulatory mechanism, a prohibition on non-stormwater discharges into the MS4, and appropriate enforcement procedures and actions.



Chapter 184: **Stormwater Management**
Article VII **Prohibited Acts**

§ 184-37 **Prohibited discharges and connections.**

A. 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.

B. Discharges to the municipality's separate storm sewer system or to waters of the commonwealth which are not composed entirely of stormwater shall be prohibited, except as provided in Subsection **C** below, and discharges allowed under a state or federal permit.

C. The following discharges are authorized unless they are determined to be significant contributors to pollution to the waters of this commonwealth:

(1) Discharges from fire-fighting activities, including training.

(2) Potable water sources, including dechlorinated waterline and fire hydrant flushing.

(3) Irrigation drainage.

(4) Air-conditioning condensate.

(5) Springs.

(6) Water from crawl space or basement sump pumps.

(7) Flows from riparian habitats and wetlands.

(8) Uncontaminated water from foundations or from footing drains.

(9) Lawn watering.

(10) Dechlorinated swimming pool discharges.

(11) Uncontaminated groundwater.

(12) Water from individual residential car washing.

(13) Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spill material has been removed) and where detergents are not used.

REQUIREMENTS OF AN ILLICIT DISCHARGE AND DETECTION PROGRAM

The IDD&E Program must include the following:

3. A plan to detect and address non-stormwater discharges, including illegal dumping, into the MS4.

Isolating and Fixing Individual Illicit Discharges

- Illicit Discharge Reporting Form – website and phoneline
- Storm Drain investigations
- Drainage Area investigations
- On-site discharge investigations
- Correction and enforcement

Lower Allen Township updated the MS4 page on the website to include an illicit discharge reporting form and a direct line to call with discharge complaints.

Storm Drain Investigations

Storm Drain investigations narrow the source of a discharge to a single segment of a storm sewer. The investigation would begin at an outfall, and then exploration of the upstream stormwater pipe network would take place using the MS4 Mapping system of the Township. Common investigative methods include:

- Visual inspection at manholes
- Dye testing
- Smoke testing
- Video testing

Drainage Area Investigations

Drainage Area investigations involve parcel by parcel analysis of potential generating sites within the drainage area of a problem outfall. These investigations may include the following techniques:

- Land use investigations
- Permit reviews
- As-built reviews

On-Site Investigations

Once the illicit discharge has been isolated to a specific section of storm drain, an on-site investigation can be performed to find the specific source of discharge. Where septic systems are present, inspections of tanks and drain fields may be needed.

Fixing Illicit Discharges

Once the source of an illicit discharge has been identified, steps should be taken to fix or eliminate the discharge. This typically involves education and enforcement.

REQUIREMENTS OF AN ILLICIT DISCHARGE AND DETECTION PROGRAM

The IDD&E Program must include the following:

4. The education of public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste into the MS4.

(Education & Orientation of new employees. Annual presentations to employees each year at your municipality)

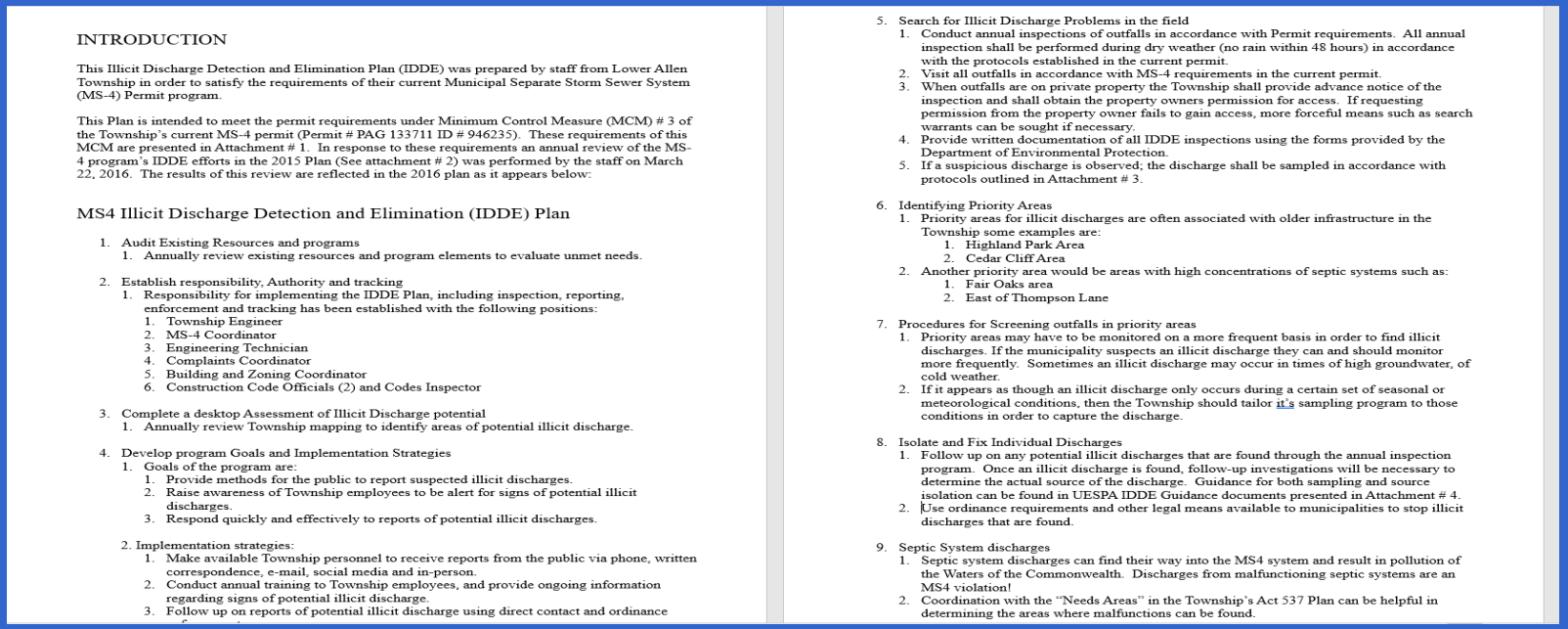


REQUIREMENTS OF AN ILLICIT DISCHARGE AND DETECTION PROGRAM

The IDD&E Program must include the following:

5. The determination of appropriate best management practices (BMPs) and measurable goals for this MCM.

(Education & Orientation of new employees. Annual presentations to employees each year at your municipality)



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 ID # 946235). 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 2015 Plan (See attachment # 2) was performed by the staff on March 22, 2016. The results of this review are reflected in the 2016 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. MS-4 Coordinator
      3. Engineering Technician
      4. Complaints Coordinator
      5. Building and Zoning Coordinator
      6. 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
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 some examples are:
      1. Highland Park Area
      2. Cedar Cliff Area
   2. Another priority area would be areas with high concentrations of septic systems such as:
      1. Fair Oaks area
      2. East of Thompson Lane
7. Procedures for Screening outfalls in priority areas
   1. Priority areas may have to be monitored on a more frequent basis 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, of 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 it's 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.

DOES THIS MEASURE NEED TO ADDRESS ALL ILLICIT DISCHARGES?

NO! The IDD&E Program does not need to address the following categories of non-stormwater discharges or flows unless the operator of the regulated small MS4 identifies them as significant contributors of pollutants to its MS4:

- Water line flushing
- Landscape irrigation
- Diverted stream flows
- Rising ground waters
- Uncontaminated ground water infiltration
- Uncontaminated pumped groundwater
- Discharges from drinking water sources
- Foundation drains
- Air conditioning condensation
- Irritation water
- Springs
- Lawn watering
- Street wash water

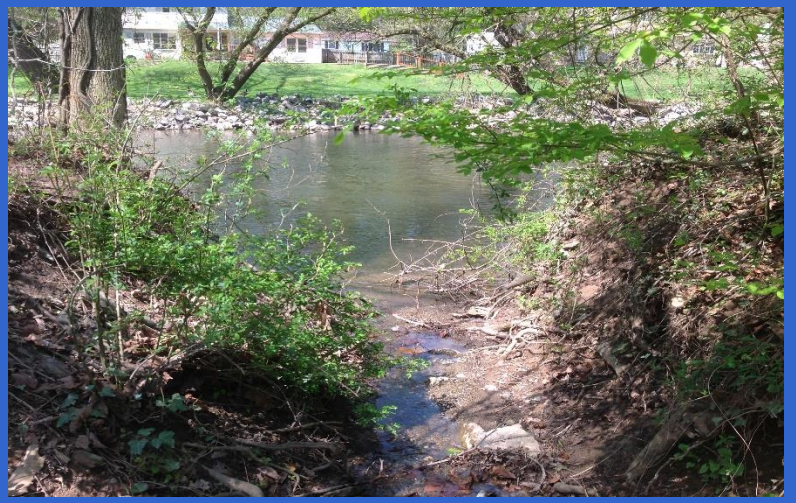




TIPS FOR CREATING YOUR MAP

- The Storm Sewer System Map is meant to demonstrate a basic awareness of the intake and discharge areas of the system.
- EPA recommends collecting all existing information on outfall locations and then conducting field surveys to verify locations.
- It will be necessary to walk the streambanks and shorelines for visual observation. More than one trip may be necessary to locate all outfalls.





TIPS FOR CREATING YOUR MAP

https://www.dep.pa.gov/Business/Water/CleanWater/StormwaterMgmt/Stormwater/Pages/Mapping-Resources.aspx

The following is a selection of resources for those seeking more information on MS4-related mapping requirements.

Links to resources outside of DEP's website do not necessarily constitute an endorsement.

MAPS

eMapPA

This DEP application can be used to view urbanized areas (UAs) based on the 2000 and 2010 censuses along with other facilities and features. Note that use of the web-based GIS application may be more appropriate for Pollutant Reduction Plans because it does not include 2016 tentative stream impairments, which are not required to be addressed in the 2018-2023 permit term.

PA Urbanized Areas (PDF)

This map of PA UAs is based on 2010 census data.

EPA Urbanized Area Website

2010 UA maps

Model Map (PDF)

An example map developed by DEP that illustrates the detail necessary to meet the basic requirements of MCM #3 as well as the advanced requirements for Pollutant Reduction Plans, TMDL Plans and Pollutant Control Measures for the current NPDES permit term. DEP has posted instructions (PDF) on how to use the Model Map.

MS4 Storm Sewershed/Planning Area Scenarios

Scenario #1: Urban area and drainage above and below the urban area
Scenario #2: Urban area and drainage below the urban area
Scenario #3: Urban area
Scenario #4: Urban area and drainage above the urban area
Scenario #5: Urban area, drainage below the urban area, with outfall in a downstream municipality
Scenario #6: Outside the urban area
Scenario #7: Outside the urban area, with upstream drainage from an upstream municipality
Scenario #8: Urban area, with drainage above the urban area and from an upstream municipality
Scenario #9: Urban area, with drainage from an upstream urban municipality

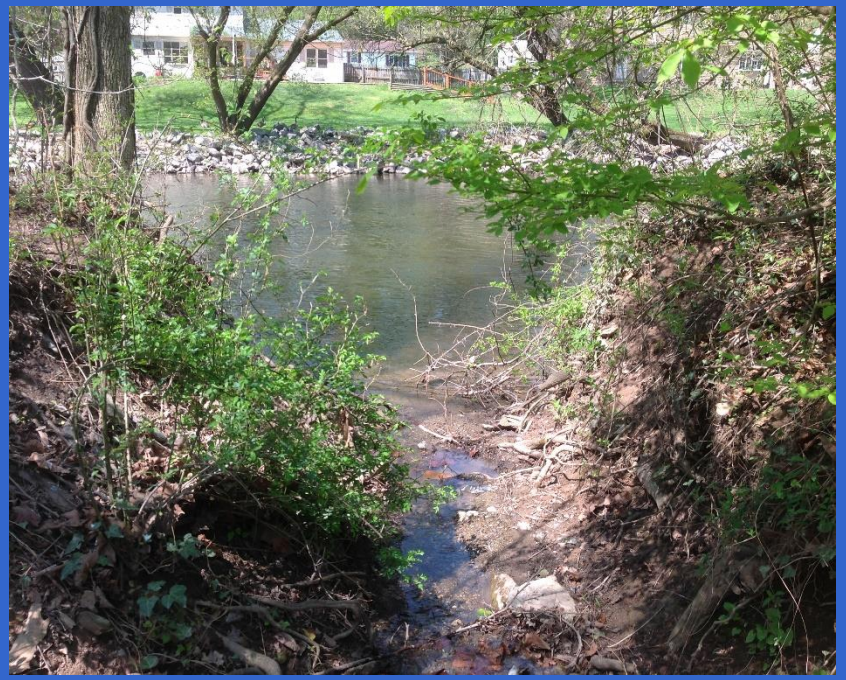
FUNDING OPPORTUNITIES
COLLABORATION
MAPPING RESOURCES
MINIMUM CONTROL MEASURES
NOI/APPLICATION
PRP/TMDL PLANS
TRAINING RESOURCES

WHAT EXACTLY IS AN OUTFALL?

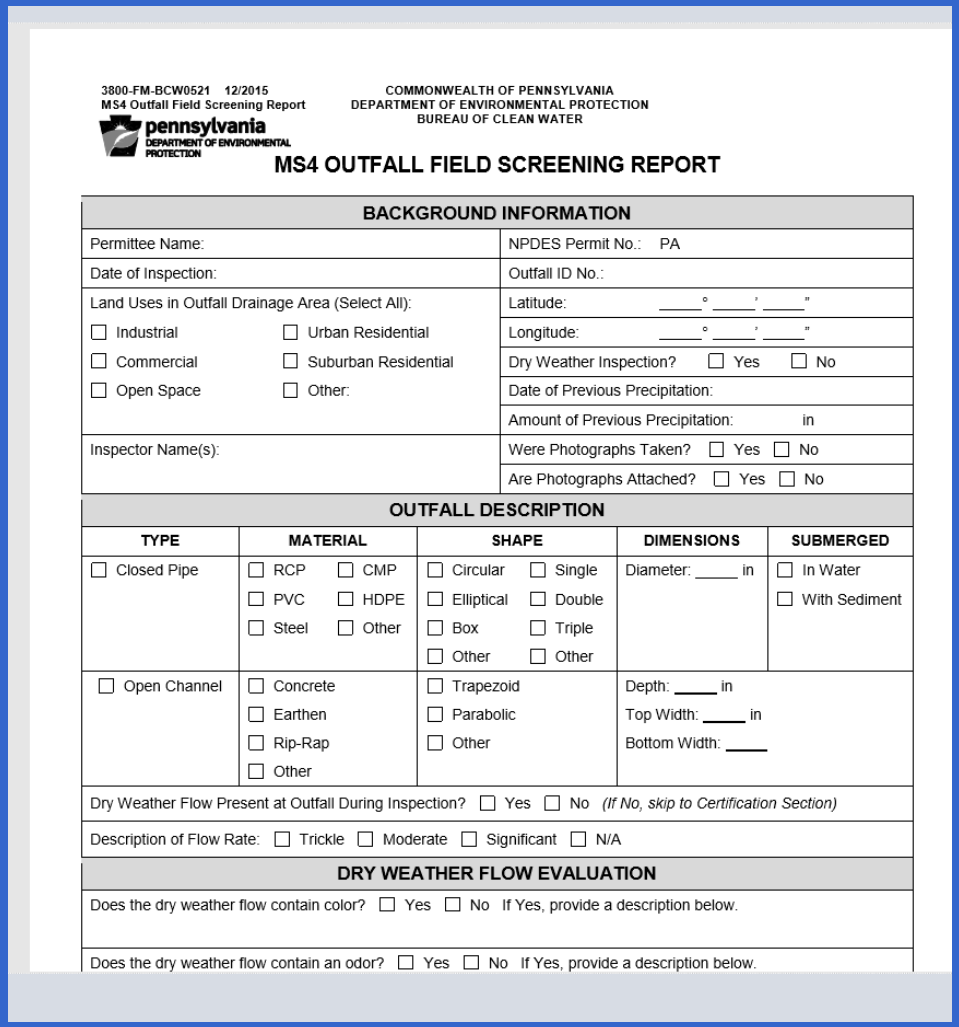
The point where an **MS4** discharges stormwater to other surface waters

Points are not just **PIPES!** They can include any discernable, confine, and discrete conveyance including, but not limited to ditches and channels





PADEP OUTFALL SCREENING REPORT FORM



3800-FM-BCW0521 12/2015
MS4 Outfall Field Screening Report

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION	
Permittee Name:	NPDES Permit No.: PA
Date of Inspection:	Outfall ID No.:
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☐ Suburban Residential ☐ Open Space ☐ Other:	Latitude: ____° ____' ____"
	Longitude: ____° ____' ____"
	Dry Weather Inspection? ☐ Yes ☐ No
	Date of Previous Precipitation:
	Amount of Previous Precipitation: in
Inspector Name(s):	Were Photographs Taken? ☐ Yes ☐ No
	Are Photographs Attached? ☐ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: ____ in	☐ In Water ☐ With Sediment
☐ Open Channel	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☐ Parabolic ☐ 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.

Read your permit language! PADEP requires outfalls to be inspected at a minimum of once per 5 year permit period.

If you locate problem areas, or have outfalls with dry weather flows – then you must inspect those outfalls every year.

Outfalls must be inspected at least 48 hours after a rain event. A "rain event" is defined by PADEP as rainfall of at least 2" or more.

PLAN TO DETECT ILLEGAL DISCHARGES

1. Locate Problem Areas – EPA recommends that priority areas be identified for detailed screening. Methods that can be used to identify these areas include: Visual Screening, water sampling from outfalls in dry weather, & public complaints.

2. Find the Source – Tracing the discharge upstream in the storm sewer by using your map is a helpful way of finding the source of an illicit discharge. Televising pipes is also a helpful way of detection.

3. Remove/Correct Illicit Connections – Once the source is identified, the offending discharger should be notified and directed to correct the problem. Education efforts can be effective at resolving the problem prior to taking legal action.

4. Document all actions taken. If you do not document then it did not happen!!

HAVE A REPORTING MECHANISM FOR RESIDENTS

Lower Allen Township

MS4 Stormwater Program

Illicit Discharge Reporting Form

Date:_____

Name:_____

Email:_____

Phone:_____

What type of incident do you wish to report? (Circle all that apply)

Dumping down a storm drain
Suspicious Discharge from a pipe into a stream
Unusual Color of Water in a Stream
Strange Smells in Stream
Suspicious Suds or other Substances Floating on Water
Death of Aquatic Creatures

Where did the incident take place?
Address (if applicable):_____
Name of Street:_____
Name of Closest Cross Street:_____
Name of Body of Water Impacted:_____

Date of Incident:_____
Time of Incident:_____

Send this form along with any additional information and photographs to:

Lower Allen Township
MS4 Coordinator, Rebecca Davis
2323 Gettysburg Road
Camp Hill, PA 17011
PH: 717-975-7575 Ext. 1010
rdavis@latwp.org

www.latwp.org

VIDEOS

https://youtu.be/jTTNWNM8LWc – Tracking and Eliminating Illicit Discharges

https://youtu.be/16ubsys6AZY – Illicit Discharge

MCM #4 – CONSTRUCTION SITE RUNOFF CONTROL



- **MCM #4 requires MS4s to develop, implement, and enforce a program to reduce pollutants in stormwater runoff to their MS4 from construction activities.**

- **Most municipalities rely on DEPs Chapter 102 program to meet these requirements. For Example, Lower Allen Township has a MOU with Cumberland County Conservation District to enforce the regulations and conduct inspections.**

MEMORANDUM OF UNDERSTANDING
between the
CUMBERLAND COUNTY CONSERVATION DISTRICT
and

Lower Allen Township
(name of municipality)

This Memorandum has been prepared jointly and agreed upon by each party for the following purposes:

To serve as a joint commitment by the signatory parties to control accelerated erosion and to prevent sediment pollution to the waters of the Commonwealth which may result from the conduct of earthmoving activities in Lower Allen Township (name of municipality).

I. In carrying out the intent of this memorandum, the Cumberland County Conservation District shall, within the limits of its capabilities:

a. Provide to Lower Allen Township (name of municipality) a listing of its plan review fees.

The District will promptly notify the municipality of any changes in the plan review fee schedule.

b. Receive all erosion and sedimentation control plans (Plan) as required under federal, state and local regulations. The District will conduct an administrative review of the submission within ten (10) days of receipt. The District will complete an initial review of the Plan within 30 calendar days after it is deemed administratively complete. Reviews of second and third Plan submissions (revisions) will be completed within 30 calendar days of their receipt.

c. Within five (5) working days of completion, notify the applicant and Municipality of all adequate Plan reviews as well as all determinations of inadequate Plan reviews. The District will charge additional fees as per adopted fee schedule after the third Plan submission due to inadequate information and/or a failure of the applicant to develop a Plan in compliance with PA DEP Chapter 102 Erosion and Sediment Control Rules and Regulations.

d. Upon request, provide all applicants with a DEP Erosion and Sediment Pollution Control Program Manual and related forms, worksheets, checklists, application package, etc., necessary to successfully prepare a Plan.

e. In accordance with a routine inspection schedule contained in the state Chapter 102 delegation with the District, and/or upon the request of the municipality and/or upon receipt of a request from a third party, inspect ongoing earthmoving projects and complete a standard DEP site inspection report. In conjunction with this responsibility, the District shall:
   i. Advise the municipality of all third party complaints within 10 calendar days of their receipt
   ii. Provide a copy of all inspection reports to the affected earthmover and municipality within two (2) calendar days upon their completion.

f. Serve as the repository for all Plans, complaints, inspection reports, correspondence, soils information

IF YOU DO NOT HAVE A MOU WITH THE COUNTY CONSERVATION DISTRICT

- **Develop, implement, and enforce a program.**
- **Have an ordinance or other regulatory mechanism requiring the proper Erosion & Sedimentation (E&S) controls, and controls for other wastes, on applicable construction sites.**
- **Have procedures for plan review of construction plans that consider potential water quality impacts.**
- **Have procedures for inspection and enforcement of control measures.**
- **Establish procedures for receipt and consideration of public input.**

Common Construction Site Pollutants

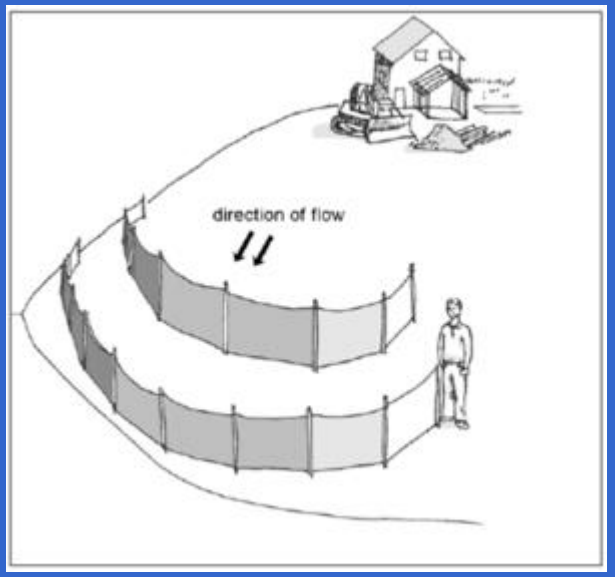
- Sediment
- Solid and Sanitary Waste
- Phosphorous (fertilizer)
- Nitrogen (fertilizer)
- Pesticides
- Oil & Grease (vehicle leaks)
- Concrete Washouts
- Trash





What Contractors need to do before site construction begins

- Install Erosion & Sedimentation controls BEFORE work begins
- Leave as much vegetation as possible
- Establish a single stabilized construction entrance (some sites have more than 1)
- Use inlet protection on all curb inlets and drop inlets
- Stabilize loose soil as soon as possible
- Any sediment that is on the road needs to be cleaned up the same day.





TYPES OF COMMON CONSTRUCTION BMPs

- Silt Fence
- Rock Construction Entrances
- Inlet Protection
- Stormwater Basins
- Concrete Washout Pits





Stormwater and the Construction Industry

Protect Natural Features



Bad

Good

- Minimize clearing.
- Minimize the amount of exposed soil.
- Identify and protect areas where existing vegetation, such as trees, will not be disturbed by construction activity.
- Protect streams, stream buffers, wild woodlands, wetlands, or other sensitive areas from any disturbance or construction activity by fencing or otherwise clearly marking these areas.

Construction Phasing

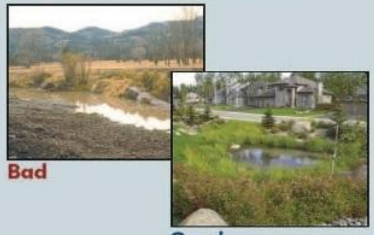


Bad

Good

- Sequence construction activities so that the soil is not exposed for long periods of time.
- Schedule or limit grading to small areas.
- Install key sediment control practices before site grading begins.
- Schedule site stabilization activities, such as landscaping, to be completed immediately after the land has been graded to its final contour.

Vegetative Buffers

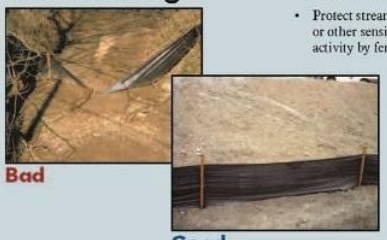


Bad

Good

- Protect and install vegetative buffers along waterbodies to slow and filter stormwater runoff.
- Maintain buffers by mowing or replanting periodically to ensure their effectiveness.

Silt Fencing



Bad

Good

- Inspect and maintain silt fences after each rainstorm.
- Make sure the bottom of the silt fence is buried in the ground.
- Securely attach the material to the stakes.
- Don't place silt fences in the middle of a waterway or use them as a check dam.
- Make sure stormwater is not flowing around the silt fence.

Maintain your BMPs!

www.epa.gov/npdes/menuofbmps

Site Stabilization



Bad

Good

- Vegetate, mulch, or otherwise stabilize all exposed areas as soon as land alterations have been completed.

Construction Entrances



Bad

Good

- Remove mud and dirt from the tires of construction vehicles before they enter a paved roadway.
- Properly size entrance BMPs for all anticipated vehicles.
- Make sure that the construction entrance does not become buried in soil.

Slopes



Bad

Good

- Rough grade or terrace slopes.
- Break up long slopes with sediment barriers, or under drain, or divert stormwater away from slopes.

Dirt Stockpiles



Bad

Good

- Cover or seed all dirt stockpiles.

Storm Drain Inlet Protection



Bad

Good

- Use rock or other appropriate material to cover the storm drain inlet to filter out trash and debris.
- Make sure the rock size is appropriate (usually 1 to 2 inches in diameter).
- If you use inlet filters, maintain them regularly.

SILT FENCE

Things to look for:

1. Silt fence must be properly trenched into the ground
2. Posts must be on the outside of the fence
3. Sediment must be removed when it reaches 1/3 of the height of fence
4. Must be repaired as needed
4. Should be removed within 30 days of final stabilization





STANDARD CONSTRUCTION DETAIL # 4-7
Standard Silt Fence (18" High)

*STAKES SPACED @ 8' MAX.
USE 2" x 2" (± 3/8") WOOD
OR EQUIVALENT STEEL
(U OR T) STAKES

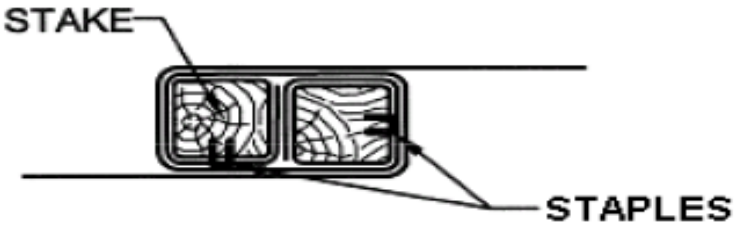
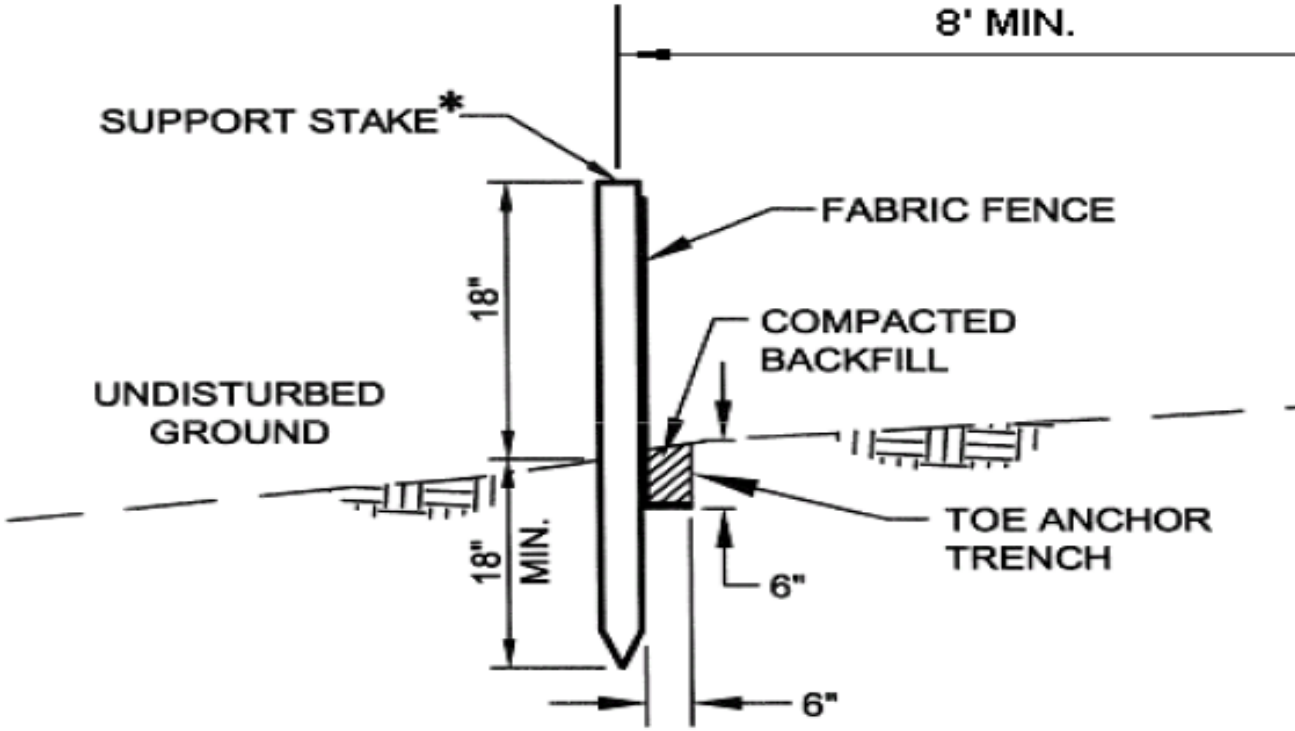


Diagram of a Standard Silt Fence (18" High)

JOINING FENCE SECTIONS



ELEVATION VIEW

PA DEP

FAILED SILT FENCE



Fence is falling down and allowing water to flow over the top.



This silt fence is not correctly installed. The gap in the fence makes it completely ineffective.

FAILED SILT FENCE






CAT

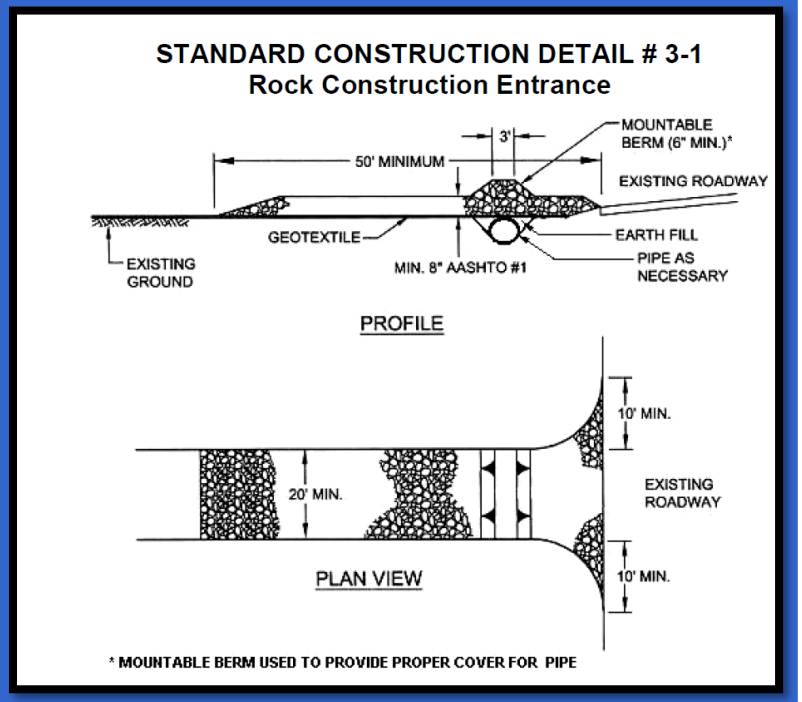
ROCK CONSTRUCTION ENTRANCE (RCE)

What they are:

1. Temporary stone stabilized pad at point of vehicular entry and exit on site.
2. Meant to reduce amount of mud, dirt and rocks by vehicles, equipment and runoff.

Things to look for:

1. Entrance is installed correctly and being used
2. Dirt accumulation on road
3. Maintenance may be required
   – stone replacement, rutting, etc.



Rock Construction Entrances – Cont.



Mud and Sediment on Road



Stone deposited on road/maintenance required

STORM INLET PROTECTION

What it is:

1. Protection around storm inlets from sediment pollution wherever the sewer system does not discharge into a functioning sediment basin or sediment trap.

2. Sediment and debris should be removed from vicinity of inlets after each rain event.

3. May also be desirable in cases where it would be difficult or expensive to clean accumulated sediment from sewer lines, or where a temporary riser may have been removed from a permanent basin prior to completion of all earth moving.

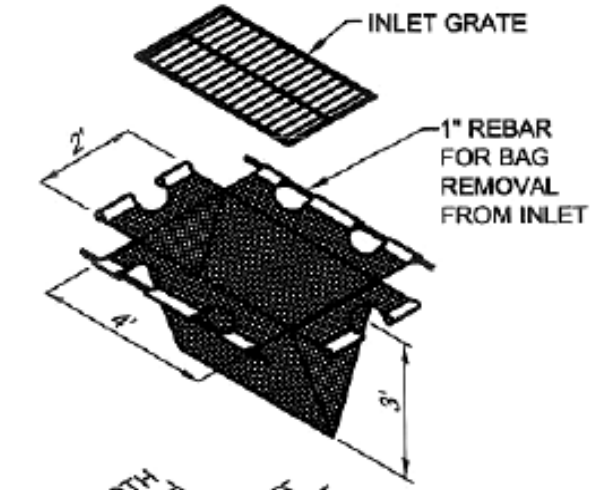
Types:

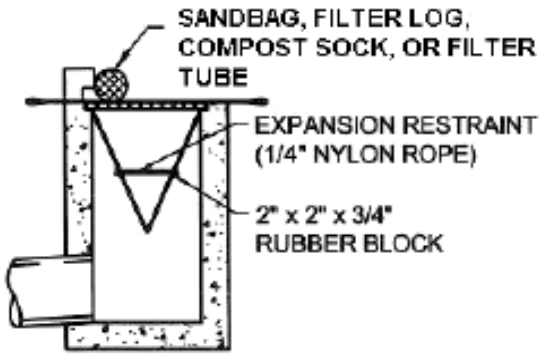
1. Inlet Filter Bag – for use on smaller sites – ½ acre or less of drainage area

2. Stone Inlet Protection – for use on sites 1 acre or less of drainage area

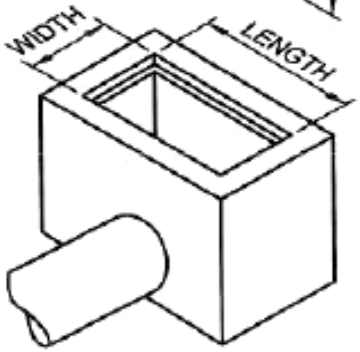
3. Maintenance require after each rain event

STANDARD CONSTRUCTION DETAIL # 4-15
Filter Bag Inlet Protection - Type C Inlet

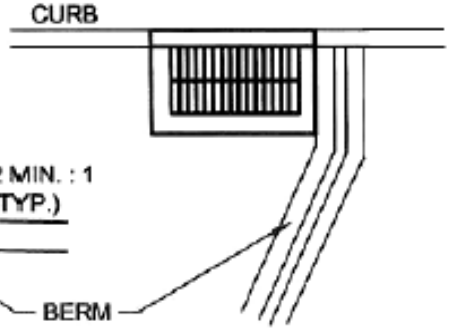




INSTALLATION DETAIL

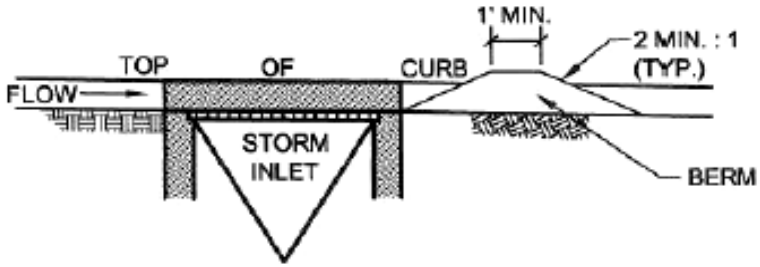


ISOMETRIC VIEW



EXTEND BERM OVER CURB IF RUNOFF IS BYPASSING INLET ON LANDWARD SIDE

PLAN VIEW



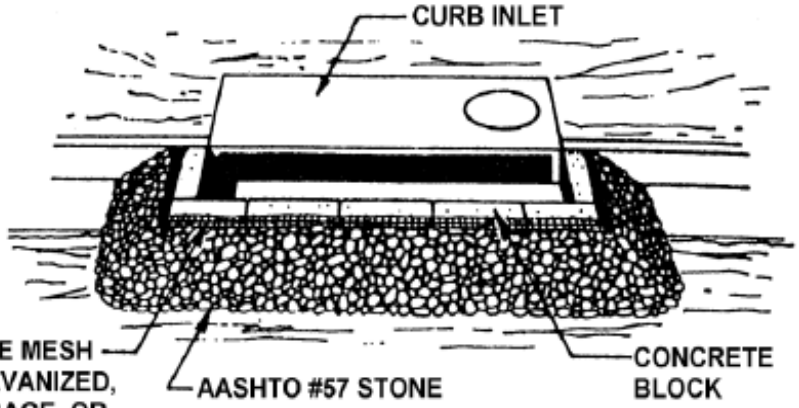
ELEVATION VIEW

Adapted from PennDOT RC-70, 2008 Edition

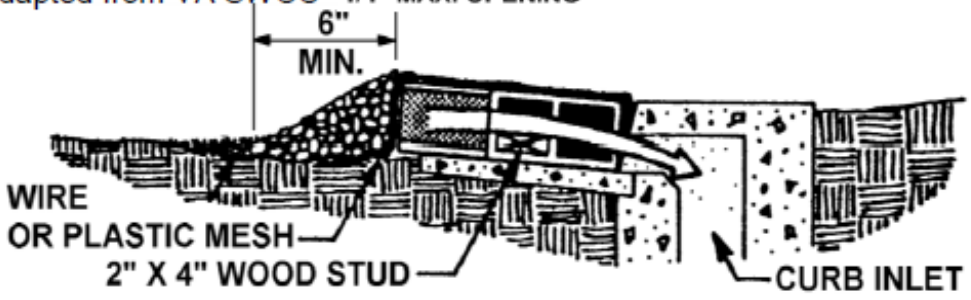
Maximum drainage area = ½ acre.

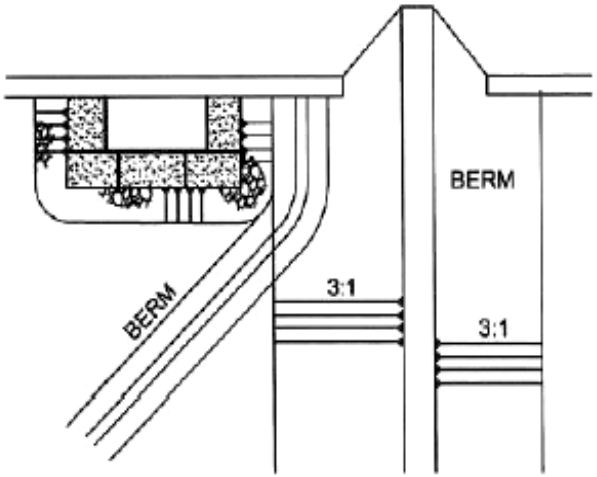
STONE INLET PROTECTION - **Sediment Removal Efficiency: LOW. This device is not an ABACT for special protection watersheds. However, the efficiency may be raised to moderate (ABACT for HQ watersheds) by anchoring a 6" layer of compost around the outside of the stone.** Wherever stone and concrete block inlet protection is proposed, it should be installed according to the details shown in Standard Construction Details # 4-17 or # 4-18. This type of inlet protection should not be used where ponding of water would cause a traffic hazard.

STANDARD CONSTRUCTION DETAIL # 4-17
Stone and Concrete Block Inlet Protection - Type C Inlet



Adapted from VA SWCC





Maximum drainage area = 1 acre.


H2O-EELS
(866) 426-3357









Concrete Washout

- For any project on which concrete will be poured on site, a suitable washout facility must be provided for the cleaning of chutes, mixers, and hoppers of the delivery vehicles unless such a facility will be used at the source of concrete.

- Under NO circumstances may wash water from these vehicles be allowed to enter any surface waters. Make sure that proper signage is provided to drivers so that they are aware of the presence of washout facilities.

- Washout facilities should not be placed within 50 feet of storm drains, open ditches, or surface waters.



Compost Sock Washout

- Wherever compost sock washouts are used, a impervious geomembrane should be placed at the location of the washout.

- Compost socks shall be staked in the manner recommended by the manufacturer around perimeter of the geomembrane so as to form a ring with the end of the sock located at the upslope corner.



Self Installed Concrete Washouts

- Typically excavated below grade to prevent runoff of the wash water and minimize the potential for leaking. They should be sized to handle solids, wash water, and rainfall.
- For larger sites, a below-grade washout should be a minimum of 10 ft. wide and provide at least 12 inches of freeboard above the liquid and solid waste anticipated between cleanout intervals.
- The pit should be lined with plastic sheeting of at least 10 mil thickness (NO HOLES0 to prevent leaching of liquids into the ground.





Maintenance

- All concrete washout facilities should be inspected daily. Damaged or leaking washouts should be deactivated and repaired or replaced immediately.
- Accumulated materials should be removed when they reach 75% capacity.
- Plastic liners should be replaced every time the washout is cleaned out.





STORMWATER BASINS

Temporary Dry Sediment Basin – A sediment control measure consisting of a temporary settling basin formed by construction of an embankment and/or excavated basin.

Designed to control waters levels to maximize sediment trapping and settling of suspended soil particles

Installed before grading/fill work begins

Should not be placed near flowing streams

Outlet structures should be made of rock and/or pipe.

Maintenance consists of:

- Removing and disposing of sediment
- Remove trash and debris from basin
- Check basin embankment for erosion and damage









LOWER ALLEN TOWNSHIP
Community Development Department
CONSTRUCTION SITE INSPECTION REPORT
Municipal Separate Storm Sewer System (MS4)

Address: _____ Date: _____

Permit/Plan: _____ SLD No: _____

Permittee: _____ Contractor: _____

Rock Construction Entrance (RCE)

Is the RCE installed and being used correctly?	YES	NO	N/A
Does the RCE need maintenance?	YES	NO	N/A

Silt Fence/Filter Sock

Is the silt fence/sock installed according to approved plan?	YES	NO	N/A
Does the silt barrier need maintenance?	YES	NO	N/A

Concrete Washout

Is the concrete washout pit lined?	YES	NO	N/A
Is the washout pit identified with signage?	YES	NO	N/A
Other Requirements _____	YES	NO	N/A

Other Observations (such as dust leaving the site, leaking equipment, sediment basin, erosion, trash):

_____

_____

Follow-up Required YES NO

Inspected by: _____ _____ _____
Signature Name (print) Date

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

Construction Runoff BMPs Site Video:
https://youtu.be/6wmgVhc_gr4

Golf Course Construction Pollution:
https://www.onenewspage.com/video/20180207/9628082/Construction-on-new-golf-course-caused-runoff-into.htm

MCM #5 – POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM)

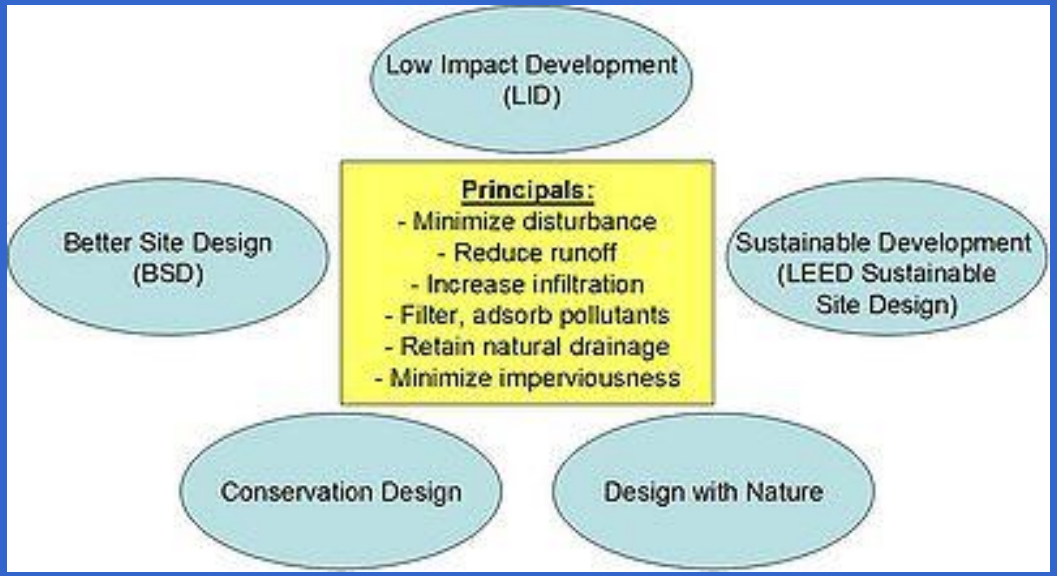


- MCM #5 requires an implementation of BMPs to minimize water quality impacts and maintain pre-development runoff conditions
- Ensure that controls are installed to prevent or minimize water quality impacts
- Enact, implement, and enforce an ordinance – PCSM
- Encourage and expand the use of Low Impact Development (LID)
- Ensure adequate operation and maintenance of all post-construction stormwater management BMPs (inventory, reporting mechanism, and inspections)

Maintain pre-developed (natural) hydrology conditions – Adopt an ordinance to encourage these design techniques.

LID Techniques:

Bioretention
Grassed swales
Infiltration trenches
Permeable pavement



Better Site Design

Distributed treatment across the site

Holistic Planning

Eliminate curbs and gutters
Narrower residential streets (with permeable parking areas)


Rain Barrels
Planter Box
Dry Well
Permeable Pavement
Rain Garden


ELEVATED WALKWAY
RAINWATER
RAIN GARDEN
XERISCAPE GARDEN
FILTER STRIP GARDEN
UNPAVED PATH
FLOODABLE GARDEN
0.94 Infiltration Rate Of Rain Garden
0.90 Infiltration Rate Of Xeriscape Garden & Floodable Garden
0.75 Infiltration Rate Of Filter Stripe Garden

Designing for open space favors cluster housing (open-space zoning) over conventional subdivisions. Here, both plans contain 36 sites, but the lower has cluster homes.

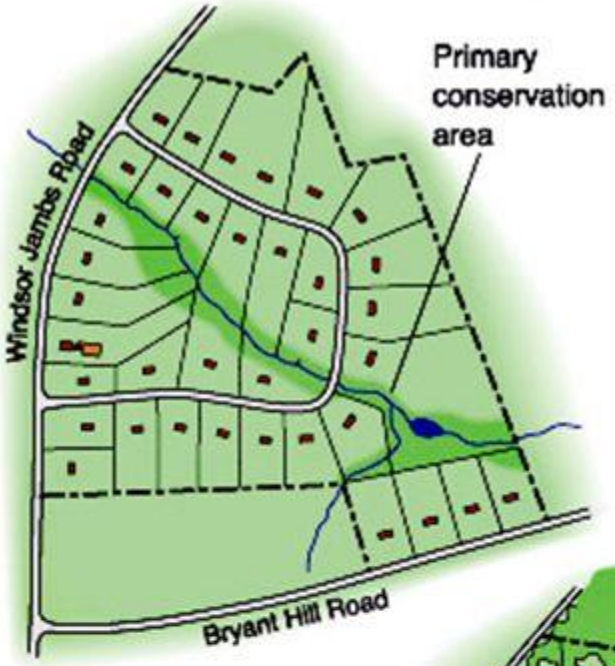






Table 1. State Post Construction Stormwater Standards

Click on State Name for Full Summary

EPA Region	Program	Where required?	Size Threshold	Performance Standards for New Development			Redevelopment Standard
				Volume-based/ Retention Standard	Treatment Standard	Exception	
3	Maryland	State-wide (State regulation)	5,000 sf disturbed area	Runoff Reduction using Environmental Site Design required for treatment, and to the MEP for 1-year storm.	Manage 0.9" / 1" of rainfall		Same as new development if <40% IC, for >40% IC, volume control (ESD to the MEP) required for 50% of existing imperviousness, or reduce impervious area by 50%, or combination; no channel protection for existing imperviousness
3	Pennsylvania	State-wide (State regulation)	1 acre disturbed area	For sites <1 acre; remove 1" of runoff from IC. All sites: No post development runoff volume increase for the 2-year storm	85% reduction TSS and TP; 50% reduction in NO3-N		Same as new development; modeling guidance for pre-development IC
3	District of Columbia	District-wide (Phase I permit)	5,000 sf of land disturbance	1.2 inches (90th percentile storm)	0.3-0.5 inch treatment (Guidance)		
3	Virginia	State-wide (State regulation)	1 acre or 2,500 sf in Chesapeake Bay Preservation Area		New Development: Shall not exceed 0.41 lbs P/acre/yr		20% (sites >1 acre) 10% (sites ≤1 acre) P reduction from existing condition
3	West Virginia	MS4s (Phase II permit)	1 acre disturbed area	Keep and manage on site 1" rainfall from 24-hour storm			0.2" reduction of 1" on site retention standard and additional 0.2" reductions exist
4	Alabama	MS4s (Phase II permit)	1 acre disturbed area	Narrative standard			
4	Florida	State-wide (State regulation)	4,000 sf impervious area	Must meet predevelopment volume in closed basins only	Varies by Water Management District – from first ½ inch runoff to 1.25 times percent imperviousness plus an additional one half inch of runoff for online retention systems		Same as new development
4	Georgia	MS4s (Phase II permit)	1 acre disturbed area		Treat runoff from 85% of storms (1.2" rainfall)		Same as new development
		MS4s	1 acre		Manage 80th percentile		Same as new

EPA State summary of PCSM Standards.

Pennsylvania:

- State wide regulation
- Site threshold – 1 acre
- Redevelopment standard – Same as new development

https://www.epa.gov/sites/production/files/2016-08/documents/swstdsummary_7-13-16_508.pdf

§ 184-30 **Responsibilities of developers and landowners.**

provided by the municipality.

§ 184-31 **Municipal stormwater maintenance fund.**

A. If stormwater facilities are accepted by the municipality for dedication, persons installing stormwater facilities or BMPs shall be required to pay a specified amount to the municipal stormwater BMP operation and maintenance fund to help defray costs of operations and maintenance expenses. The amount of the deposit shall be determined as follows:

(1) If the stormwater facility or BMP is to be owned and maintained by the municipality, the deposit shall cover the estimated costs for operations and maintenance for 10 years, as determined by the municipality.

(2) The amount of the deposit to the fund shall be converted to the present worth of the annual series values.

B. If a stormwater facility or BMP is proposed that also serves as a recreation facility (e.g., ballfield, lake), the municipality may reduce or waive the amount of the maintenance fund deposit based upon the value of the land for public recreation purpose.

§ 184-32 **Post-construction maintenance and monitoring inspections.**

A. Stormwater facilities and permanent BMPs must be inspected in accordance with the O&M plan. The property owner has two options to accomplish this:

(1) Employing a qualified registered professional to conduct the inspections and prepare reports; or

(2) Entering into an agreement with the municipality for the municipality to conduct the inspections and prepare reports. This can be included in the stormwater facilities and BMP maintenance and monitoring agreement.

B. If the option in Subsection **A(1)** is chosen, the entity conducting the inspection shall be required to submit a report to the municipality within one month following completion of the inspection. The report will present documentation regarding the condition of the facility and recommending necessary repairs, if needed. Any needed repairs shall be implemented by the owner within one month of the report issuance date.

C. If the option in Subsection **A(2)** is chosen, the owner will be responsible for reimbursing the municipality for the costs involved, such reimbursement to be specified in the stormwater facilities and BMP maintenance and monitoring agreement.

BMP INVENTORY

- Create an inventory of the BMPs in your municipality
- Require an Operation & Maintenance Agreement for each BMP (part of your ordinance adoption)
- Send out yearly inspection reports to BMP owners ensure that the BMPs are being maintained properly
- Municipality is responsible for BMP maintenance on municipal owned property

	A	C	D	E	F	G	H	I	J	K	N	O	P	Q	R	S	T	U
1	OWNERSHIP INFORMATION											MS - 4 PERMIT INFORMATION						
2	PIN	Owner	Care	Mailing Address 1	Mailing Address 2	City	State	Zip	SITUS	BMP #	OWNER	BMP DESC.	DRAINAGE AREA (Ac.)	LATITUDE	LONGITUDE	RECEIVING WATER	COMPLETION DATE	NPDES PERMIT?
3	13-09-0545-006	ASBURY ATLANTIC INC		201 RUSSELL AVENUE		GAITHERSBURG	MD	20877	325 WESLEY DRIVE	1	Bethany Village West BVW Cottages	Bioretention areas (19) detention basins (4)	25.93	40.208959	-76.964929	CRM3	3/9	PAG2-0021-06-055
4	13-24-0795-170	950 WOODLAND INVESTMENTS LLC				MECHANICSBURG	PA	17055	950 WOODLAND STREET	2	950 WOODLAND STREET	Infiltration Trench	0.1	40.212663	-76.961605	CRM3	3/7	
5	13-26-0247-111	THAU, DANIEL T		4902 WHITLOCK LANE		MECHANICSBURG	PA	17055	4902 WHITLOCK LANE	3	R. Hart Enterprises, INC	UG storage/infiltration pipe/trench	2.92	40.203526	-76.954813	CRM4	3/9	
6	13-23-0549-018A	LOWER ALLEN TOWNSHIP		2233 GETTYSBURG ROAD		CAMP HILL	PA	17011	2233 GETTYSBURG ROAD	4	Lower Allen Township	Porous asphalt, bioretention areas, infiltration trench	3.45	40.22942	-76.919227	CRT1	3/8	PAG-02-0021-14-044
7	13-23-0551-028	LETORT GROUP LLC		3130 MORNINGSIDE DRIVE		CAMP HILL	PA	17011	3130 MORNINGSIDE DRIVE	5	LeTort Group	Basin/rock filter	0.81	40.229196	-76931101	CRT1	3/8	
8	13-24-0805-051	KAERCHER, JESTIN L	& CASSANDRA L KAERCHER	8 CEDAR CLIFF DRIVE		CAMP HILL	PA	17011	8 CEDAR CLIFF DRIVE	7	Jestin L Kaercher	Infiltration trench	1.5	40.226101	-76.904056	YBC2	3/7	
9	13-10-0258-034	MILLER, ALISON M		1510 THOMPSON LANE		MECHANICSBURG	PA	17055	1510 THOMPSON LANE	8	Alison M. Miller	Infiltration trench	1.21	40.189967	-76.935202	YBT1	3/7	
10	13-08-0646-011PU	Pennsylvania American Water Company		800 W. Hershey Park Drive		Hershey	PA	17033	852 Wesley Drive	9	Pennsylvania American Water Company	Infiltration and Extended dry pond w/ forebay.	6.36 Ac.	40.21111	-76.966371	CRM5		PAC210031
11	13-10-0256-039	VFW POST 7530		4545 WESTPORT DRIVE	4545 WESTPORT DRIVE	MECHANICSBURG	PA	17055	4545 WESTPORT DRIVE	10	Home Association of Lower Allen VFW Post 7530, Inc.	Detention/infiltration basin	5.38	40.205782	-76.948001	CRT2	2/7	
12	13-11-0270-109	ROLAND, ROSALIE H		1706 LIBERTY COVE		MECHANICSBURG	PA	17055	LIBERTY COVE – Basins	11	Twenty Four West Partnership	Water quality basins	10.75	40.191071	-76.926674	YBC3	3/9	
13	13-25-0008-587/390	Beacon Hill HOA		1278 Yarmouth Lane	Attn: Judy Baumgarnder, Pres.	New Cumberland	PA	17070	YARMOUTH LANE-Basins	12	Beacon Hill HOA	Swales, forebays, infiltration/detention basins	16.5	40.218773	-76.872882	YBC1	3/8	PAG2-0021-06-004
14	13-10-0256-030	YELLDAN LIMITED		4510 WESTPORT DRIVE		MECHANICSBURG	PA	17055	4510 WESTPORT DRIVE	13	Yelldan Limited, Inc.	Infiltration trench	0.033	40.206693	-76.94726	CRT2	11/6	
15	13-25-0034-006	SHANER SELECT SERVICES HOTELS	II LLC	1965 WADDLE ROAD		STATE COLLEGE	PA	16803	4921 GETTYSBURG ROAD	14	Shaner Family Partners	Infiltration basins	6.14	40.20724	-76.963872	CRM4	6/7	
16	13-24-0799-256	YCH PROPERTIES LP		3809 HARTZDALE DRIVE		CAMP HILL	PA	17011	3811 HARTZDALE DRIVE	15	Cedar Run Development	Detention/infiltration basin	1.96	40.215716	-76.937935	CRM2	4/7	
17	13-26-2430-026	FUENTES, THOMAS & MARTIN, ANGELA		2293 MILL ROAD		MECHANICSBURG	PA	17055	3432 Lisburn Rd.	16	Fuentes, Thomas & Martin, Angela		5.0 Ac.	40.185805	-76.934798	YBT3		
18	13-22-0536-057	GRACE, WILLIAM R		PO BOX 301	PO BOX 301	NEW CUMBERLAND	PA	17070	1850 STATE ROAD	17	William Grace	Detention basin	1.48	40.235148	-76.912061	CRT1	10/6	
19	13-24-0795-176	ELLIS, SHAUN		900 CENTURY DRIVE #200		MECHANICSBURG	PA	17055	900 CENTURY DRIVE	18	Ellis Shaun	Ext. detention basin/forebay	3.09	40.213874	-76.981892	CRM3	7/9	
20	13-24-0795-001A	CENTURY PARK INVESTMENTS LP	C/O SELECT CAPITAL CORP.	4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	960 CENTURY DRIVE	19	Willow Valley Associates Inc	Porous asphalt, bioretention, infiltration beds	8.322	40.213724	-76.960295	CRM3	10/14	
21	13-24-0795-047	ACKERMAN, EDWARD P		812 BELMONT STREET		MECHANICSBURG	PA	17055	812 BELMONT STREET	20	Douglas M. Zook/Ackerman	Infiltration bed	0.15	40.21448	-76.958588	CRM3	3/7	
22	13-24-0795-014	DUPERT, FRED H JR	& PATSY DUPERT	758 UPLAND STREET		MECHANICSBURG	PA	17055	758 UPLAND STREET	21	Stewart/Dupert	Infiltration trenches	0.035	40.214739	-76.959863	CRM3	3/8	
23	13-25-0020-057	1401 SLATE HILL ROAD LLC		16155 TRADE ZONE AVENUE		UPPER MARLBORO	MD	20744	1401 SLATE HILL ROAD	22	SJS-1401 Slate Hill Rd. LP	Water Quality Inserts (2)	7	40.209934	-76.940498	CRT2	3/7	
24	13-10-0258-004	SLATE HL MENNONITE CHURCH ETAL	& BURIAL GROUNDS ASSOCIATION	1352 SLATE HILL ROAD		SHIREMANSTOWN	PA	17011	1352 SLATE HILL ROAD	24	Slate Hill Mennonite Church	Detention basin; bioretention area	2.11	40.204783	-76.940184	CRT2	3/7	
25	13-23-0551-114A	RYP PROPERTIES LLC	C/O Bennett Williams	3526 Concord Road		York	PA	17402-8826	3300 HARTZDALE DRIVE	25								
26	13-31-2136-132	GEARHART, ANDREW M & ABBEY R		4165 BIRCHWOOD LANE		MECHANICSBURG	PA	17055	4165 BIRCHWOOD LANE	26	Andrew and Abbey Gearhart	Basin/infiltration area	7.43	40.167862	-76.923907	YBC4		
27	13-24-0799-177	GRACE, WILLIAM R		PO BOX 301	PO BOX 301	NEW CUMBERLAND	PA	17070	3605 R HARTZDALE DRIVE	27	William R. Grace	Sand filter, detention basin	4.89	40.21887	-76.93443	CRM3	8/5	
28	13-24-0795-165	CENTURY ROAD ASSOCIATES LLC		492 CAPITOL HILL ROAD		DILLSBURG	PA	17019	910 CENTURY DRIVE	28	Century Road Associates	Stone filter/extended detention basin	1.26	40.214208	-76.961901	CRM3	2/7	
29	13-10-0256-068	PRICE, DEREK D & CHRISTINA M	HOA	4526 WOODS WAY		MECHANICSBURG	PA	17055	4526 WOODS WAY – Basin	29	Derek and Christina Price	Detention/infiltration basin	6.568	40.200759	-76.947761	CRT2	9/5	
30	13-24-0795-181	CUMBERLAND PERRY HOUSING		925 LINDA LANE		CAMP HILL	PA	17011	801 UPLAND STREET	30	Cumberland Perry Housing	Infiltration bed	0.32	40.214219	-76.959304	CRM3	8/4	
31	13-25-0024-013	REGAL PARTNERS		4943 GETTYSBURG RD.		MECHANICSBURG	PA	17055	4943 GETTYSBURG ROAD	31	Chang Mun Chon	Infiltration/detention basins	2.04	40.205313	-76.985995	CRM4	12/4	
32	13-10-0258-007A	LOWER ALLEN TYP DEV AUTHORITY		2233 GETTYSBURG ROAD		CAMP HILL	PA		YETTER COURT – Basin	32	Lower Allen Township Development Authority	Detention basin	19.7	40.210828	-76.936959	CRM2	10/4	PAG2-0021-03-004R
33	13-23-0545-416EX	WEST SHORE AREA SCHOOL DISTRICT		1301 CARLISLE ROAD		CAMP HILL	pa	17011	1301 CARLISLE ROAD	33	West Shore School District	Sand filter	6.24	40.227845	-76.895749	YBC2	10/9	
34	13-24-0797-218	CHRIST COMMUNITY CHURCH	CAMP HILL	1201 SLATE HILL ROAD		CAMP HILL	PA	17011	1201 SLATE HILL ROAD	34	Christ Community Church	Detention basin	1.98	40.212058	-76.945395	CRT2	3/4	
35	13-10-0256-044	HIGH PROPERTIES, HIGH GEN CORP	ATTN: ACCOUNTING	1853 WILLIAM PENN WAY	Town Place Suites	LANCASTER	PA	17601	4915 RITTER ROAD Hotel	42	HIGH HOTELS, LTD	Detention basin / snouts	3.87	40.203506	-76.959048	CRM4	4/15	PAG-02-0021-13-016
36	13-10-0256-037	LINLO PROPERTIES III LP		1013 MUMMA ROAD	1013 MUMMA ROAD	LEMOYNE	PA	17043	1215 MANOR DRIVE	47	Linlo Properties III LP	Detention basin; 2 WQ inserts / Rain garden	6.60 / 0.67	40.203958	-76.94828	CRT2	10/08 / 07/15	PAG2-0021-08-002
37		SCI CAMP HILL	Department of Corrections	1920 Technology Parkway	Attn: Carol Piontkowski, P.E.	Mechanicsburg	PA	17050	2500 LISBURN ROAD	49	PA Industrial School							
38	13-23-0553-013	TRINITY HIGH SCHOOL	HARRISBURG	3601 SIMPSON FERRY ROAD	Attn: Kevin Hellman Building & Grounds Manager	CAMP HILL	PA	17011	3601 SIMPSON FERRY ROAD	56	Roman Catholic Diocese of Harrisburg-Trinity High School	Infiltration bed	0.105	40.223735	-76.941255	CRT1	3/14	E&S Permit only
39	13-23-0559-090	WERZYN, WILLIAM		5024 SIMPSON FERRY ROAD		MECHANICSBURG	PA	17055	5024 SIMPSON FERRY ROAD	57	William W. Werzyn, Jr.	Rain gardens, UG infiltration bed	1.09	40.219299	-76.971434	CRM3	3/14	
40	13-11-0270-042	LFGC, INCORPORATED		3804 LISBURN ROAD	PO BOX 1229	CAMP HILL	PA	17001	3804 LISBURN ROAD	59	LFGC, Inc.	Wet ponds/detention	78.87	40.173893	-76.928188	YBC4	10/1	
41	13-24-0795-170	950 WOODLAND INVESTMENTS LLC		4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	950 WOODLAND STREET	60	John Ortenzio	UG detention,infiltration, Snout	0.96	40.213382	-76.961217	CRM3	5/16	
42	13-23-0553-026	GIOVAGNOLI, JOSEPH M & BECKY J		3403 CANYON CREEK		MECHANICSBURG	PA	17055	3702 GETTYSBURG ROAD	61	Joseph Giovagnoli	UG detention	0.86	40.222367	-76.941403	CRM3	10/13	
43	13-23-0666-088	GRACE, WILLIAM R & ELIZABETH A		PO BOX 301	PO BOX 301	NEW CUMBERLAND	PA	17070	145 S LOCUST STREET	62	William Grace							
44	13-23-0549-107	MEISER, DAVID W & MICHELLE S		2420 MASSACHUSETTS AVENUE		CAMP HILL	PA	17011	2420 MASSACHUSETTS AVENUE	63	JMDRH Holdings, LLC	Infiltration trench	0.6	40.2266	-76.923035	CRT1	3/11	
45	13-23-0549-242	SHANNON, DYLAN J		2410 MASSACHUSETTS AVENUE		CAMP HILL	PA	17011	2410 MASSACHUSETTS AVENUE	64	Dylan Shannon	Infiltration trench	0.6	40.226676	-76.922479	CRT1	3/11	
46	13-23-0549-109	ADA, HASSAN	& LAURA YOHE-ADA	2414 MASSACHUSETTS AVENUE		CAMP HILL	PA	17011	2414 Massechusetts Ave.	65	Hasa, ADA	Infiltration trench	0.6	40.226642	-76.922663	CRT1	3/11	
47	13-10-0260-010	PEIFFER, DAVID H		BROOKVIEW DRIVE	PO BOX 422	NEW CUMBERLAND	PA	17070	1841 BROOK VIEW DRIVE	66	David H. Peiffer	Infiltration trench	0.344	40.219347	-76.882256	YBC1	10/13	
48	13-10-0258-063	RUEL, JONATHAN R & JADE Z		1595 THOMPSON LANE		MECHANICSBURG	PA	17055	1595 THOMPSON LANE	67	Jonathan & Jade Ruel	Infiltration basins and trench	0.241	40.191553	-76.926945	YBC3	3/13	
49	13-23-0551-153	SISTI, RONALD D	& HOLLY A SISTI	21 SANTA MARIA AVENUE		CAMP HILL	PA	17011	21 SANTA MARIA AVENUE	68	Ronald & Holly Sisti	Infiltration bed	0.044	40.22544	-76.923966	CRT1	7/11	
50	13-11-0270-098	DUFFEY, HAROLD E II	& CONSTANCE M DUFFEY	1718 LIBERTY COVE		MECHANICSBURG	PA	17055	1718 LIBERTY COVE	69	DUFFEY, HAROLD E II & CONSTANCE M DUFFEY	Infiltration trench	0.145	40.190452	-76.927736	YBC3	8/13	
51	13-23-0553-054	SHEKER FAMILY LIMITED	PARTNERSHIP	175 EAST LAUER LANE		CAMP HILL	PA	17011	75 ZIMMERMAN DRIVE	70	Larry Sheker, Sheker Family Trust	Porous asphalt, infiltration bed	0.045	40.225225	-76.937958	CRT1	3/12	
52	13-10-0258-015	CHRISTIAN LIFE ASSEMBLY OF GOD		2645 LISBURN ROAD		CAMP HILL	PA	17011	2645 LISBURN ROAD	71	Christian Life Assembly not built							
53	13-11-0270-101	SOURBEER, CHARLES HOYER	& VICKI LOUISE SOURBEER	1730 LIBERTY COVE		MECHANICSBURG	PA	17055	1730 LIBERTY COVE	72	Rosalie H. Roland	Infiltration trench	0.58	40.189787	-76.927422	YBC3	3/11	
54	13-10-0260-006	EWING, CHARLES D		135 PIN OAK DRIVE		NEW CUMBERLAND	PA	17070	1425 SPANGLERS MILL ROAD	73	Charles D. Ewing Cell tower							
55	13-23-0559-088	MOTEL SLEEPERS INC		100 MORGAN KEEGAN DRIVE		LITTLE ROCK	AR	72202	5022 ARTHUR AVENUE	74	Motel Sleepers, Inc.	Porous asphalt, bioretention/infiltration areas	2.11	40.218948	-76.970447	CRM3	3/10	
56	13-11-0270-097	GASSNER, RUDOLF & GERTRUDE V		1712 LIBERTY COVE		MECHANICSBURG	PA	17055	1712 LIBERTY COVE	75	Rudolf Gassner	Infiltration trench	0.165	40.190765	-76927860	YBC3	10/9	
57	13-31-2136-001A	FREELAND, JEREMY & LAUREN		1435 MAIN STREET		MECHANICSBURG	PA	17055	1435 MAIN STREET	76	FREELAND, JEREMY & LAUREN	Rein garden	0.024	40.167639	-76.91092	YBC4	10/11	
58	13-24-0795-003	OLD GETTYSBURG ASSOCS IV LP	C/O SELECT CAPITAL CORP.	4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	4718 GETTYSBURG ROAD	77	Old Gettysburg Assocs. IV LP	Porous asphalt, infiltration beds	0.739	40.213362	-76.966658	CRM3	6/8	

Description of BMP Operation and Maintenance Procedures

Initial Approval

In accordance with the requirement of the newly approved Stormwater Management Ordinance, all newly installed stormwater Best management Practices (BMPs) must have a recorded Operation and Maintenance (O&M) agreement. These agreements are held by the Township and are placed into a database for ongoing monitoring. In accordance with the Stormwater Management Ordinance, the ongoing inspection and maintenance of the installed BMPs is expected to be done by the Owner, at their expense.

Annual Activities

Every year the Township sends a letter out to all the BMP permit holders requesting that they inspect their installed BMPs, along with completing and returning the required forms. The Owners return their forms to the Township to document that the inspections were performed. This information is then attached to the MS-4 Annual Report.

The Township also has a program to perform the required inspection work upon the request of the Owner and at their expense.

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: _____

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

_____ _____ _____
Name (print) Signature Date

BMP Video

CSN BMPs and LIDs:

https://www.bing.com/videos/search?q=Stormwater+BMP&&view=detail&mid=41A5362BC078F8191AF941A5362BC078F8191AF9&&FORM=VRDGAR

Mowing to Meadows
https://www.bing.com/videos/search?q=mowing+to+meadows+video&view=detail&mid=0E5801959F0F3426FBE90E5801959F0F3426FBE9&FORM=VIRE

Rain Garden Maintenance:

https://www.bing.com/videos/search?q=videos+of+good+housekeeping+and+ms4&&view=detail&mid=339456BFA6142F91178F339456BFA6142F91178F&&FORM=VRDGAR

MCM #6 – POLLUTION PREVENTION/GOOD HOUSEKEEPING







- **MCM #6 requires MS4s to prepare an inventory of municipal facilities and activities, and to develop a stormwater "Operations & Maintenance Plan" for each facility/activity on the inventory**
- **Part of the inventory shall include Best Management Practices on how to maintain the facilities and activities**
- **Include employee training on how to incorporate pollution prevention/good housekeeping techniques into municipal operations such as park and open space maintenance, fleet and building maintenance, and stormwater system maintenance.**

LOWER ALLEN TOWNSHIP FACILITIES 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

Municipal Inventory List - Continued

- Develop an inventory of municipal facilities that have the potential to generate stormwater runoff if you haven't done so already
- Group the list into departments/sections
- Determine signage/labels required for each facility based upon types of operations/services that occur at each facility and their potential to impact the MS4





LOWER ALLEN TOWNSHIP PUBLIC WORKS FACILITY

1400 SAINT JOHNS ROAD
CAMP HILL, PA. 17011

PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN

A. Description of Facility

1. Description of Activity

The activity on site consists of: a building that houses vehicles, equipment, office and maintenance space; an accessory storage building; a salt storage building; a vehicle fueling facility; and a paved area for yard waste recycling and bulk dumpsters.

2. Description of Existing Emergency Response Plans

The Township's existing all-hazards emergency response plan does not specifically address this site.

3. Material and Waste Inventory

Materials on site include the following: vehicle fuel (in permitted underground storage tanks); salt for road deicing (stored undercover in a building); non-reusable waste oil (stored outdoors in an underground tank); street maintenance materials (aggregate, sand, soil); yard waste (both pre and post processing); metal and bulk items in dumpsters.

4. Pollution Incident History

There is no record of previous pollution incidents at the site.

5. Implementation Schedule

The PPC Plan will be implemented in the month of March 2018, immediately upon completion of the plan update.

B. Description of Plan Implementation

1. Organizational Structure for Implementation

The PPC Plan will be implemented jointly by Robert Nailor, Public Works Coordinator (PWC), and Daniel Flint, P.E., Township Engineer/Public Works Director. The PWC has responsibility for daily operations of the facility, and will insure that operations and processes are conducted in a manner consistent with best management practices. The PWC will also insure that the PPC Plan is followed in all operations that may affect items related to the Plan.

The PWC and Township Engineer will jointly be responsible for annual employee training, facility inspections and monitoring, and annual review of the PPC Plan for any needed modifications.

Round #1

Lower Allen Township
Storm Water Management Plan
Pollution Prevention/Good Housekeeping
Operations and Maintenance Program

STREET SWEEPER CAPACITY 6 CUBIC YARDS FULL

START DATE –4/4/17 END DATE –5/2/17

OPERATORS NAME – Marshall

Storm water inlets cleaned:

Lower Allen Township: _____

PennDOT: _____

Total: _____

Loads: _____

Pounds Per Loads: 3300

Total Pounds: _____

Total Tonnage: _____

Street Sweeping:

Loads: 26

Pounds Per Load: 5190

Total Pounds: 134,940

LOCATION:
LOWER ALLEN TOWNSHIP PUBLIC WORKS
1400 ST. JOHNS RD
CAMP HILL PA. 17011
STORM WATER MANAGEMENT PLAN
POLLUTION PREVENTION/GOOD HOUSEKEEPING
OPERATIONS AND MAINTENANCE PROGRAM

2017

Salt separator and storm water inlets cleaned:

Date cleaned: 2/15/17
Method used: Street sweeper
Personnel: Jeff, Ben

Internal drainage system cleaned:

Date cleaned:
Method used: Electric Eel
Personnel:

Oil Interceptor cleaned:

Date cleaned: 2/17/17 5/11/17 10/9/17
Method used: Shop Vac
Personnel: Bryan, Ryan, Jeff, Ben

Porous Blacktop Sweeping at MSC, Creekwood Park, CSRP, Pete's Field:

Dated cleaned: 6/21/17
Method used: Street Sweeper (Vacuumed)
Personnel: Marshall

2 Inlet Box Sponge Baskets at the North side of Public Works Building:

Date cleaned: 1/18/17 5/23/17 10/27/17
Method used: Manually
Personnel: Ryan, Jeff, Ben

Contractor Pruitt Trucking Street Sweepings Disposal: 9/8/17 – 95.33 **Tons**

LOWER ALLEN TOWNSHIP TRAINING SCHEDULE

LOWER ALLEN TOWNSHIP MS4 TRAINING SCHEDULE 2018			
EMPLOYEE/DEPARTMENT	DATE	TRAINING TOPIC	LOCATION
Daniel Flint - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Raymond Allen - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Staci Morgan - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Rebecca Davis - CED	2/22/2018	CAPCOG MS4 Training - MS4 Enforcement	Camp Hill Borough Municipal Building
	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
	4/10/2018	PADEP WIP Stakeholder Meeting	Holiday Inn - Grantville PA
	4/12/2018	Permeable Pavement BMP Class	Chesapeake Stormwater Network - Webinar
	5/7 & 5/8 2018	NPDES Certificaiton Training	Hilton, Harrisburg PA
	5/11/2018	Pond Management Techniques	Chesapeake Stormwater Network - Webinar
	5/17/2018	CAPCOG MS4 Training - Hydrology 101	Hampden Township Municipal Building
	6/28/2018	CAPCOG MS4 Training - Performing MS4 Outfall Inspections	Lower Paxton Township Municipal Building
John Eby - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Corisa Mihoerck - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Brian Plank - PW	4/9/2018	New Employee Training - MS4 Township Powerpoint Presentation	Lower Allen Township Municipal Services Center
Tom Vernau - ADMIN	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Erin Trone - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Helen Grundon - ADMIN	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Richard Lehigh - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
William Yeagley - CED	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Tina Harbold - FINANCE	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Bob Nailor - PW	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center
Bryan Harshbarger - PW	3/27/2018	Signs and Labels for Good Housekeeping Compliance - MCM #6	Lower Allen Township Municipal Services Center

MUNICIPAL GARAGE - INDOORS



- Hazardous/Flammable Labels
- Waste oil identification
- Oil/Water Separator Identification - Location
- Absorbent Materials– Used and New
- Spill Kits
- Used Anti-Freeze Identification
- Secondary containment

MUNICIPAL GARAGE – INDOORS (CONT.)

- **Flammable materials**
- **Designated Vehicle Wash Off Areas**
- **Pesticide Identification**
- **Waste Oil Identification and disposal area**

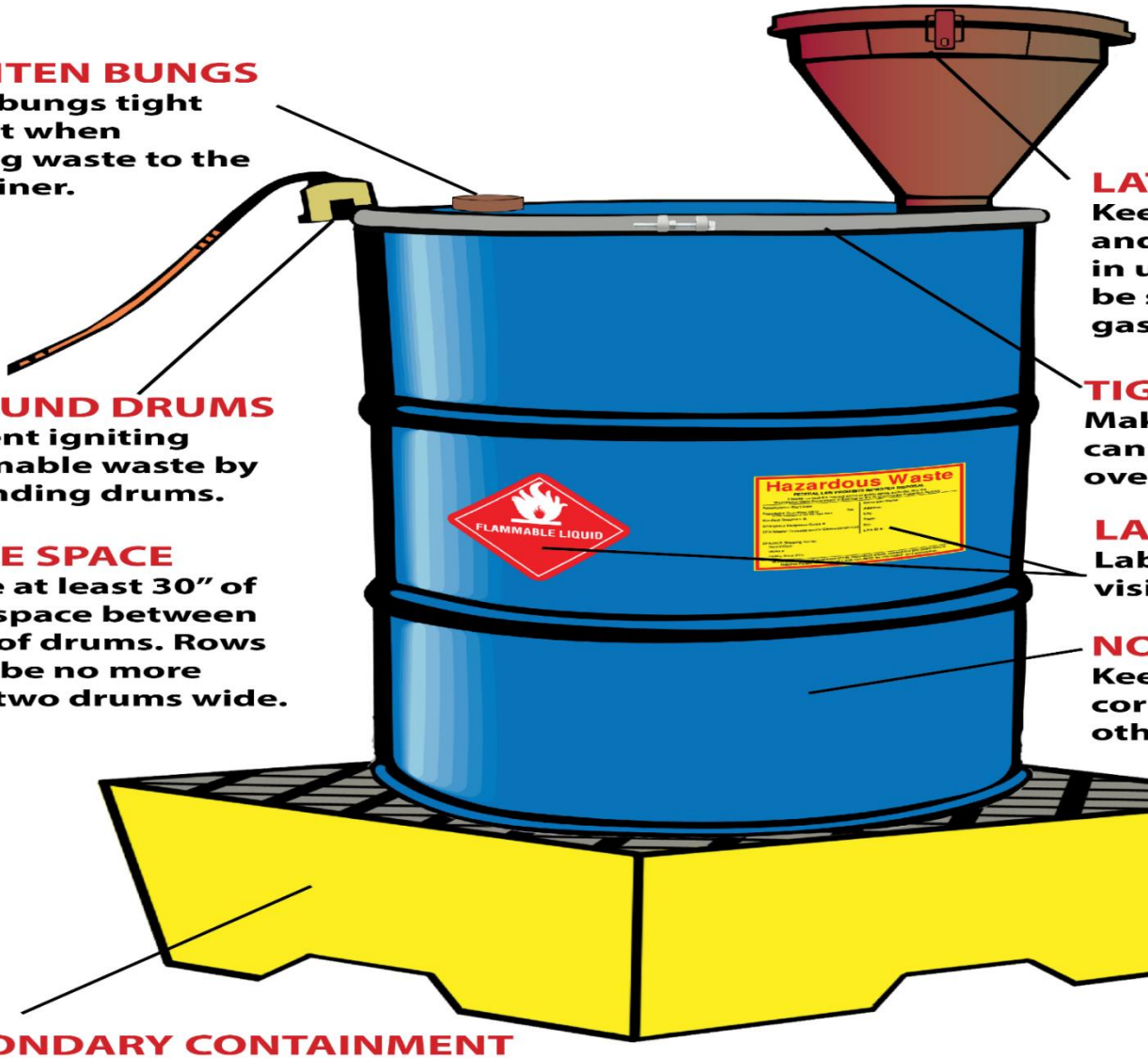






Vehicles to be washed in designated area only

Inspect Your Dangerous Waste Drums



TIGHTEN BUNGS
Keep bungs tight except when adding waste to the container.

GROUND DRUMS
Prevent igniting flammable waste by grounding drums.

AISLE SPACE
Leave at least 30" of aisle space between rows of drums. Rows must be no more than two drums wide.

LATCH FUNNELS
Keep funnels closed and latched when not in use. Funnels must be screwed in with gaskets.

TIGHTEN LIDS
Make sure contents cannot spill if tipped over.

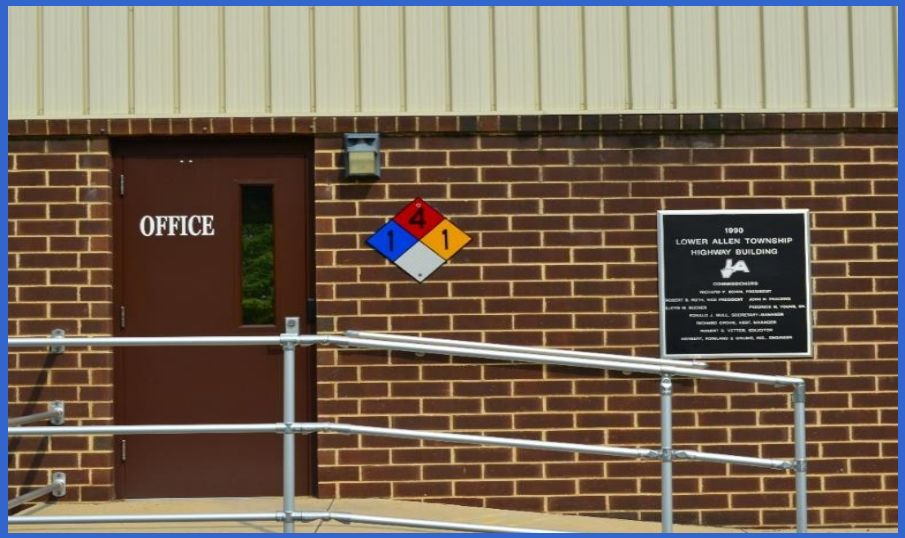
LABEL IT
Labels must be visible.

NO LEAKS
Keep drums free of corrosion, bulges, and other damage.

SECONDARY CONTAINMENT
Secondary containment must be large enough to contain 10% of the free liquid in all containers or 100% of the free liquid in the largest container, whichever is larger.

MUNICIPAL GARAGE - OUTDOORS





- **Hazardous Waste Labels and Material Placards**
- **Waste oil identification**
- **Fueling Station – identification, flammable signs, absorbent material identification, spill kit, fuel shut off valves**

MUNICIPAL GARAGE - FUEL ISLAND







- Discourage topping off of fuel tanks – avoid fuel spills
- Post flammable and no smoking signs
- Illustrate location of the emergency shut off valve
- Label spill kits and absorbents

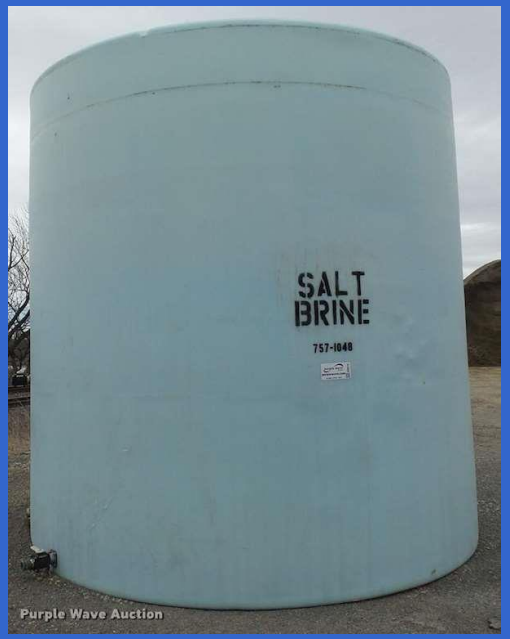
MUNICIPAL GARAGE – OUTDOORS (CONT.)

- **Trash Receptacles – Recyclables and Trash clearly identified, dumpster lids closed! Inspect dumpsters often for leaks**

- **Salt Brine Storage Tanks – clearly label and inspect**







MUNICIPAL GARAGE







- **Inlet marker identification – at facility sites and throughout the municipality – outreach to public for labeling**
- **Composting facility signage – identification, rules, hours of operation**
- **Public works facility department signage – hours and recycling drop off times**

MUNICIPAL COMPOSTING FACILITIES



- **Clearly identify acceptable items at your composting facility**
- **Also identify EXCLUSIONS**

Identifying acceptable items helps avoid dumping and illicit discharges from paint, oil, fuel and trash!!

MUNICIPAL COMPOSTING FACILITY



MUNICIPAL STREETS





- **Post street sweeping signs so effective sweeping can take place**
- **Inlet marker identification to educate the public and lessen occurrences of illicit discharges**

MUNICIPAL PARKS

- Park Identification Signs
- Park Rules/Hours
- Pet curb and leash laws
- No mow signs if required
- No dumping signs
- Identify Trash receptacles/ recyclables











PARK BMP IDENTIFICATION/OPEN SPACE/ROADSIDES

NO- MOW ZONES/NO DISTURBANCE ZONES

OPEN SPACE

- Township Property Identification Signs
- No Dumping signs
- BMP Identification/Informational Signs
- No Mow Signs (if applicable)







TOWNSHIP ADMINISTRATION BUILDING

- **Trash/Recyclables – Promote proper trash disposal in and around the Administration building campus. Remind employees where they can recycle.**
- **Spill Kits – Inform Administration Employees of location and have contents of spill kit clearly identified.**
- **Emergency Contact Response List for Spills**







TOWNSHIP ADMINISTRATION BUILDING (CONT.)

Recyclable Container Identification



Chain of Command for Spills Post in building

Chain of Command

Persons to be notified in the event of an emergency or spill:

1. Daniel Flint — Public Works Director/Township Engineer
2. Thomas Vernau — Township Manager
3. David Holl — Public Safety Director/Emergency Management

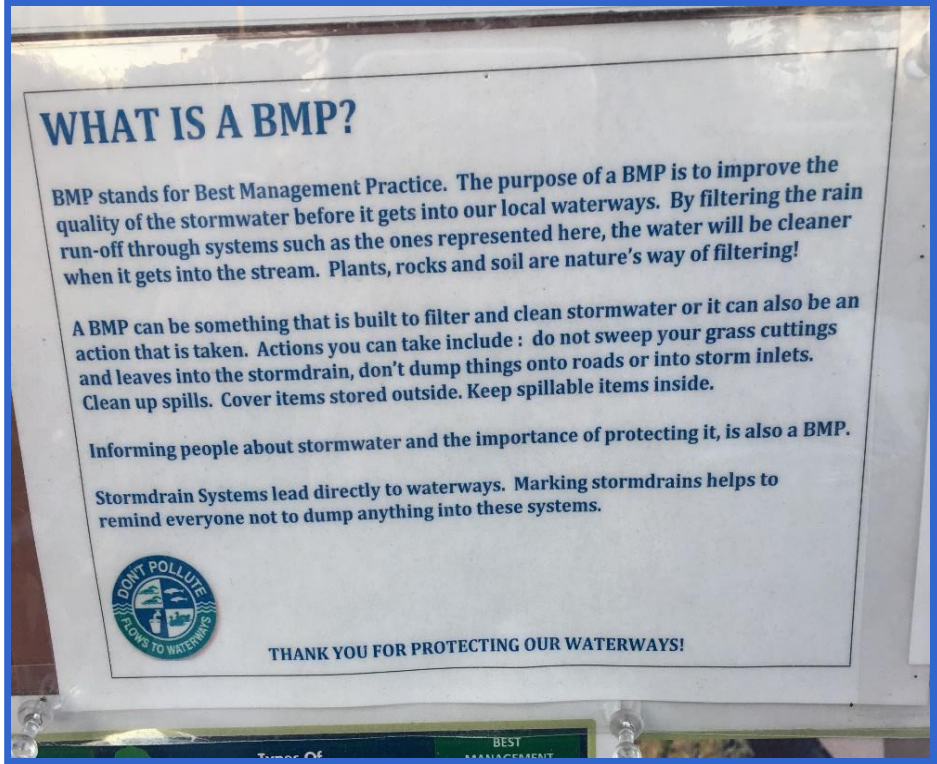
- **Document spills of any kind and cleanup procedures used for the MS4 file and annual reporting requirements**

BMP SITE LOCATION MAP – CEDAR RUN PARK AND ADMINISTRATION BUILDING



BMP (BEST MANAGEMENT PRACTICE) IDENTIFICATION

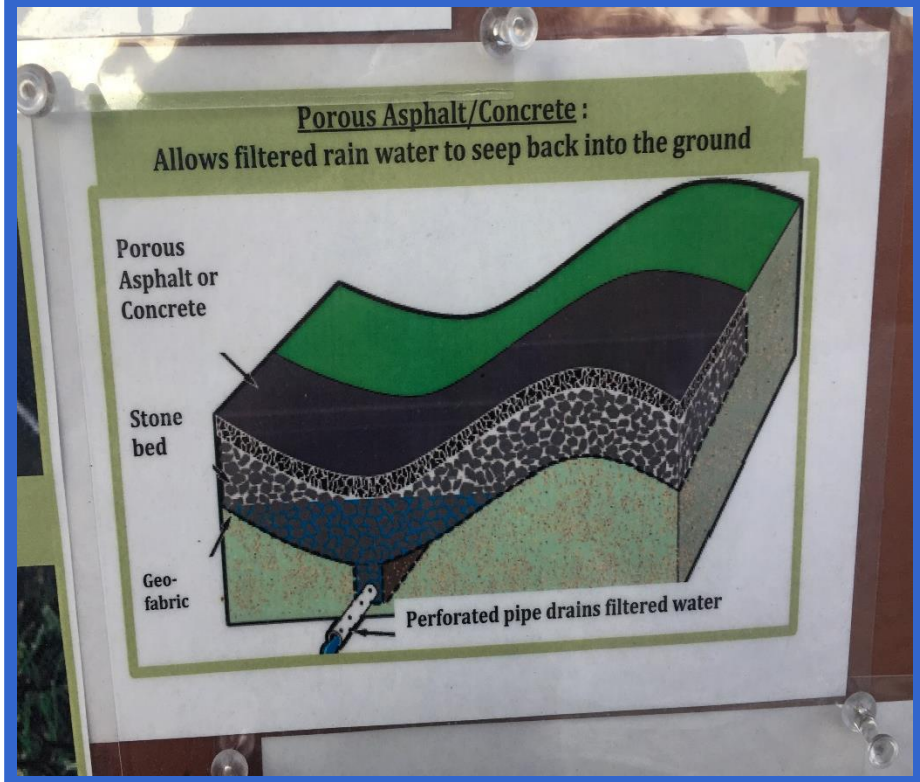
Identify and explain BMP type. This allows the municipality to educate the public as well as identify BMP functionality and location





PARKING LOT BMPS IDENTIFICATION

Identify and explain BMP type. This allows the municipality to educate the public as well as identify BMP functionality and location





BMP SIGNS – (CONT.)





FIRE/POLICE STATIONS



- Designated wash off areas
- Flammables
- Trash/Recycling Receptacles
- Absorbents
- Spill Kits
- Drip Pans (when necessary)



- BMP Identification
- No mow zones (if applicable)

FIRE STATION (CONT.)

Lower Allen
FIRE COMPANY No. 1
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011



Vehicle Washing Policy

Policy #: 2017-01 **Effective: 07-12-2017**

A. Purpose:
The Lower Allen Fire Company No. 1 will comply with all regulations in regards to the Federal Clean Water Act with commercial establishments. This program prohibits the discharge of pollutants into waterways without the appropriate permits. Pennsylvania's Storm water Management Act, aka MS4 Program, regulates storm water runoff. The purpose of this policy is to meet those standards as well as establish rules regarding washing of any fire department or personal vehicles and equipment.

B. MS4 Compliance
1. All vehicles and equipment may be rinsed off with water only on non-pervious areas that will drain into the storm water system.
2. All vehicles and equipment may be rinsed off with solutions (i.e. soap) mixed with water on pervious areas that will not drain into the storm water system.
3. All vehicles and equipment must be washed in the apparatus bays when pervious areas are not available and water only washing/rinsing is not an option.
4. Failure to comply with these standards may result in a fine to the department.

C. Personal Use
1. Washing of Personal vehicles is limited to those members that are deemed Active or are seen on a regular basis around the fire company.
2. Any member washing their personal vehicles on township property or in the apparatus bays, must clean up after themselves. This includes putting all supplies away, and squeegeeing the floors when utilizing the apparatus bays.
3. Members who wish to wash their vehicle at Station # 1, may not wash their vehicle during Township Business Hours. Township Business Hours are defined as Monday thru Friday, 8am until 4pm.
4. Failure to comply with the above established rules, may result in the loss of vehicle washing privileges and or action taken by the Disciplinary Board.

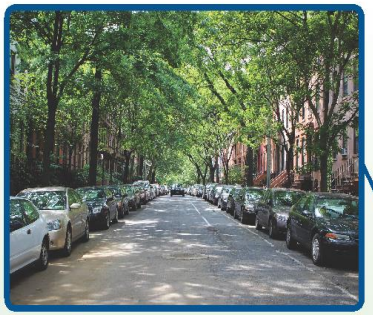
- **Vehicle Washing Policies – Post in building and distribute to employees – update as needed**
- **Designate acceptable wash off areas and train employees on proper procedures**

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

soak up the rain
created by U.S. EPA



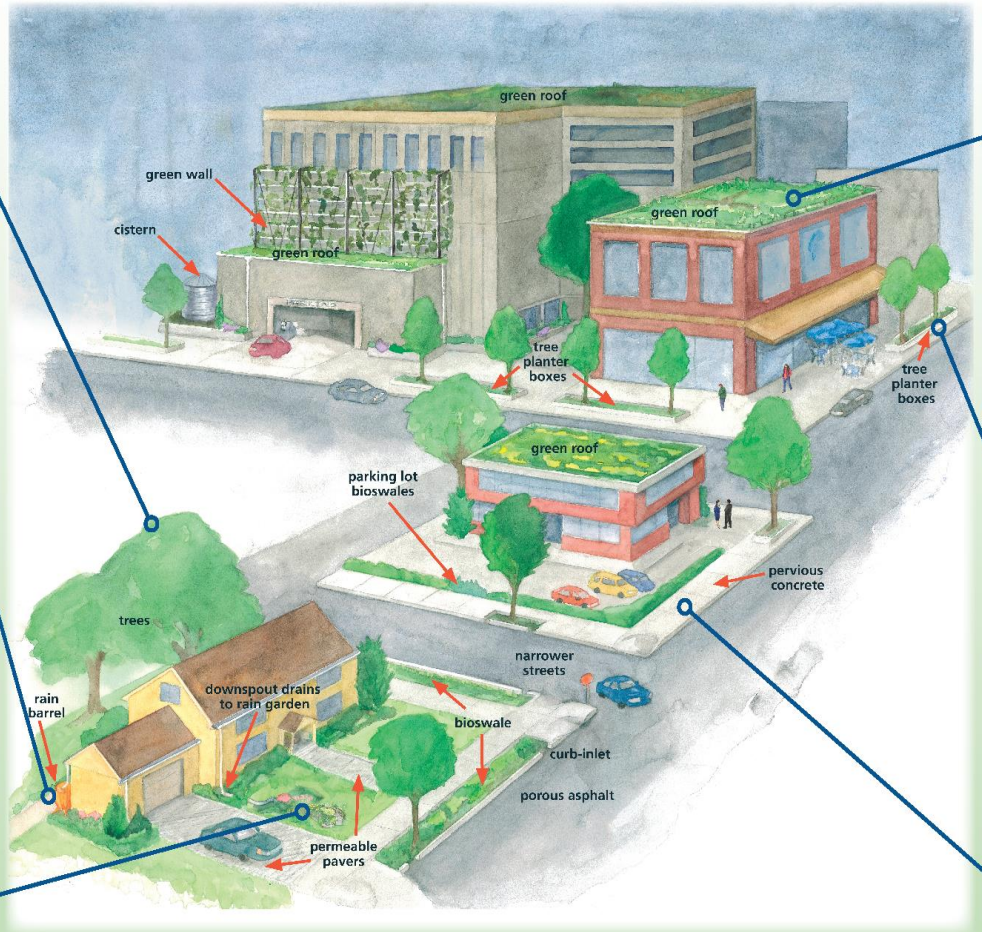
Tree Canopy



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.

COMMUNICATION/CROSS TRAINING

- **Discuss signage with various municipal departments at different locations (Public Works, Administration, Sewer Authority, Park and Recreation Departments, Finance, Management, Seasonal Employees, Volunteer fire company, Police Department, Human Resources, etc.)**
- **Educate employees on importance of signage within the municipality as it relates to the MS4 Program**
- **Recognize the need for additional signage as your MS4 program grows and develops and update as necessary**







https://www.youtube.com/watch?v=UxOam2GEVgQ – Housekeeping BMPs - MCM #6

Housekeeping – Parks – Also deals with MCM#4
https://www.bing.com/videos/search?q=videos+of+good+houskeeping+and+ms4&&view=detail&mid=051AD657003FD724EBFF051AD657003FD724EBFF&&FORM=VRDGAR

QUESTIONS?

CONTACT INFORMATION

Rebecca Davis – Lower Allen Township
MS4 Coordinator
PH: 717-975-7575-, Ext. 1010
E-mail: rdavis@latwp.org

ATTACHMENT #10

MS4ORUM CONFERENCE & PRESENTATION

MS4orum (Municipal Stormwater Forum)

MS4Forum
Municipal Stormwater Forum

Monday, June 3, 2019 8:00 AM- 3:30 PM
Lancaster Public Safety Training Center
101 Champ Boulevard, Manheim (next to Spooky Nook Sports)

Lancaster County Clean Water Consortium

Event Schedule			
8:00 – 8:30	Registration – Coffee / Light Breakfast		
8:30- 8:45	**Welcome** *Joellyn Warren, Lancaster County Clean Water Consortium*		
8:45 – 9:30	**Keynote** *John Jackson, Stroud Water Research Center*		
9:30-9:50	**Stormwater Staff Training** *Penn State Extension*		
9:50 – 10:00	Break		
10:00 – 10:50	**Project Management/Working with Private Landowners** *Matt Kofroth, Lancaster County Conservation District* Room 100	**Stormwater Equipment Demonstration** Justin Szurgot, Bortek Industries Training Bay	**Introduction to Stream Restoration** *Mark Metzler, Rettew* Room 101
10:50 – 10:55	Switch		
10:55 – 11:45	**EPA Audit Experience** *Elijah Yearick + Scott Hain, Lititz Borough + Mark Harris, Manor Township + Mike LaSala, LandStudies* *Room 100*	**Outfall Inspection Training** *Kara Kalupson, Rettew* Training Bay	**Agriculture and Municipalities** *Peter Hughes, Red Barn Consulting + John Williamson, Team Ag* Room 101
11:45-12:45	Lunch and Networking		

MS4orum (Municipal Stormwater Forum)

MS4Forum
Municipal Stormwater Forum

Monday, June 3, 2019 8:00 AM- 3:30 PM
Lancaster Public Safety Training Center
101 Champ Boulevard, Manheim (next to Spooky Nook Sports)

Lancaster County Clean Water Consortium

12:45-1:35	**Back to Basics-What is MS4 for Elected Officials?** *Charity Kadwill, LandStudies + Rebecca Davis, Lower Allen Township + Dwayne Steager, West Hempfield Township* ✓ Room 100	**Utilizing CS Datum for MS4 and More** *Jordan Goode + Jeff Shue, CS Davidson* Training Bay	**BMP Maintenance** *Nick Myers, LandStudies* Room 101
1:35-1:40	Switch		
1:40-2:30	**Forming a Stormwater Authority** *Mike Callahan, Derry Township* Room 100	**Stormwater Basin Retrofits** *Ben Webber +Devin Groff + Bill Laudien, Lancaster Township* Training Bay	**Buffer Maintenance/ Spotted Lanternfly** *Austin Unruh, Crow & Berry + Lois Miklas, PSU Master Gardeners* Room 101
2:30 – 2:35	Switch		
2:35 – 3:25	**Working with Developers** *Eric Scott + Mike O'Brien, Oak Tree Development Group* Room 100	**Good Housekeeping/Emergency Management** *Charlie Thomas, East Lampeter Township* Training Bay	**BMP Inspection Program** *Beth Uhler, Cedarville Engineering* Room 101
3:25	Event End		

Back to Basics- What is MS4?

NPDES Permit & Water Quality

WHAT DOES MS4 STAND FOR?

- Municipal
- Separate
- Storm
- Sewer
- System

What is an MS4?

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.)**



Background

- Municipalities that meet certain standards must obtain National Pollutant Discharge Elimination System (NPDES) permit coverage (PAG-13) for discharges of stormwater from their municipal separate storm sewer systems (MS4s).
- The intent of the MS4 Program is to reduce pollutants into waters of the commonwealth.
- The MS4 Program is regulated by BOTH the United States Department of Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP).

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

PAG-13
AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s) APPROVAL OF COVERAGE

NPDES PERMIT NO. PAG133711

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Lower Allen Township Cumberland County
2233 Gettysburg Road
Camp Hill, PA 17011

is authorized to discharge from a regulated small municipal separate storm sewer system (MS4) located in **Lower Allen Township, Cumberland County** to **Yellow Breeches Creek, Cedar Run, Unnamed Tributary to Cedar Run, and Unnamed Tributary to Yellow Breeches Creek** in Watershed(s) **7-E** in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

APPROVAL OF COVERAGE TO DISCHARGE UNDER THIS GENERAL NPDES PERMIT IS AUTHORIZED BEGINNING ON JANUARY 1, 2019. WHEN THE GENERAL PERMIT IS RENEWED, REISSUED OR MODIFIED, THE FACILITY OR ACTIVITY COVERED BY THIS APPROVAL FOR COVERAGE MUST COMPLY WITH THE FINAL RENEWED, REISSUED OR MODIFIED GENERAL PERMIT.

The authority granted by coverage under this General Permit is subject to the following further qualifications:

1. The permittee shall comply with the effluent limitations and reporting requirements contained in this General Permit.

2. Following initial coverage under this General Permit, the submission of Annual MS4 Status Reports in accordance with Part A III.D of the General Permit shall constitute the permittee's Notice of Intent (NOI) for continued coverage under the General Permit. The permittee shall be responsible for complying with the final renewed, reissued or amended General Permit. If the permittee is unable to comply with the renewed or amended General Permit, the permittee must submit an application for an individual NPDES permit within 90 days of publication of the final General Permit.

3. The NOI and its supporting documents are incorporated into this approval of coverage. If there is a conflict between the NOI or its supporting documents and the terms and conditions of this General Permit, the terms and conditions of this General Permit shall apply.

4. Failure to comply with the terms, conditions, or effluent limitations of this General Permit is grounds for enforcement action, permit termination or revocation.

5. The permittee shall implement Pollutant Control Measures as specified in **Appendices B and C**

MS4 Permitting Regulations

- Phase 1, issued in 1990, requires medium and large cities or certain counties with populations of 100,000 or more to obtain NPDES permit coverage for their stormwater discharges. There are approximately 750 Phase I MS4s nationwide (Examples in Pennsylvania – Philadelphia, Allentown).
- Phase II, issued in 1999, requires regulated small MS4s in urbanized areas, as well as MS4s outside of the urbanized areas that are designated by the permitting authority, to obtain NPDES permit coverage for their stormwater discharges. There are approximately 6,700 Phase II MS4s nationwide.
- Generally, Phase I MS4s are covered by Individual permits and Phase II MS4s are covered by General Permits.

Storm Water Permit Program for Small Communities – PHASE II

- Federal regulation requires permit for municipalities that are classified by the USEPA as urbanized areas.

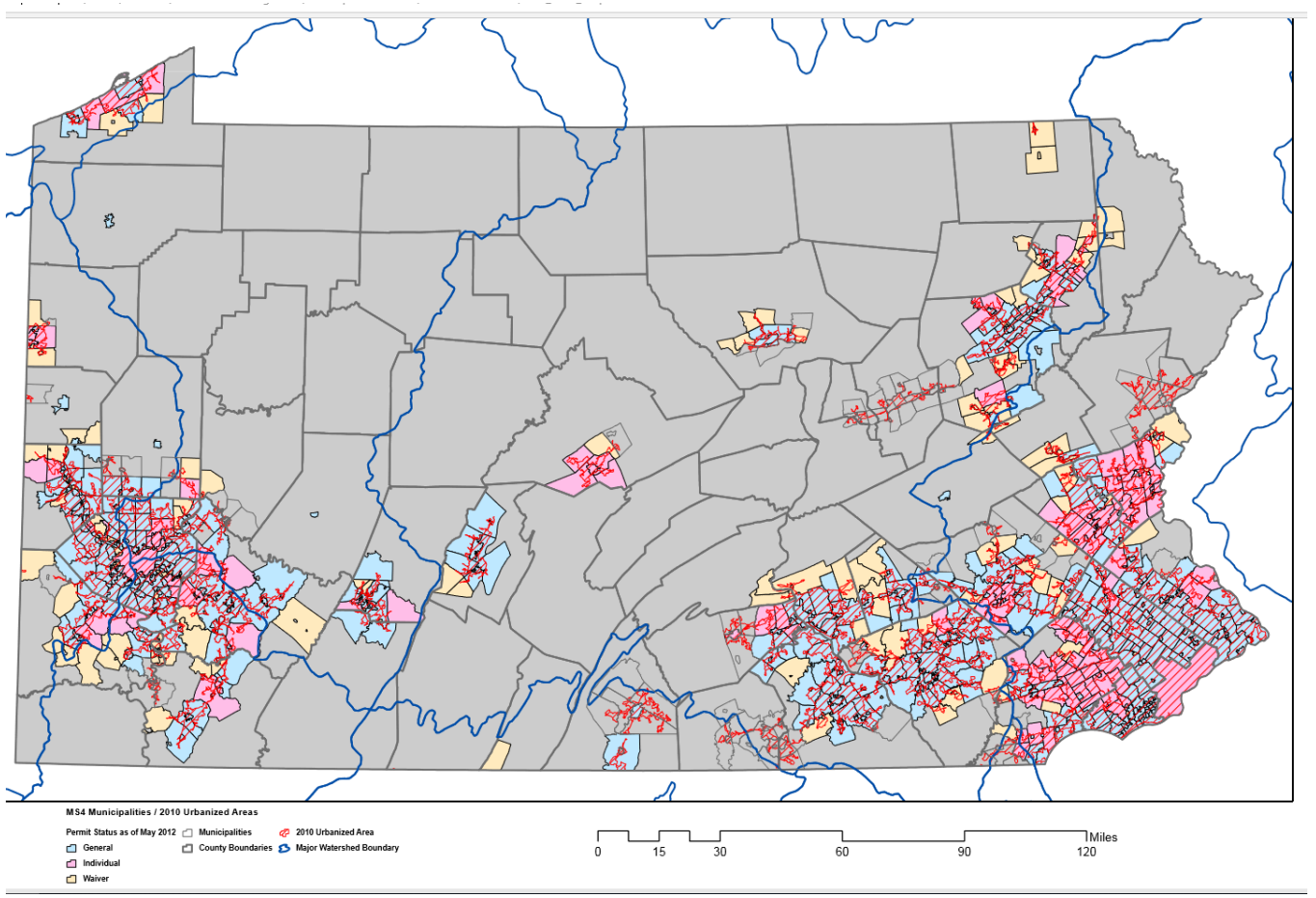
National Pollutant Discharge Elimination System (NPDES) PAG-13

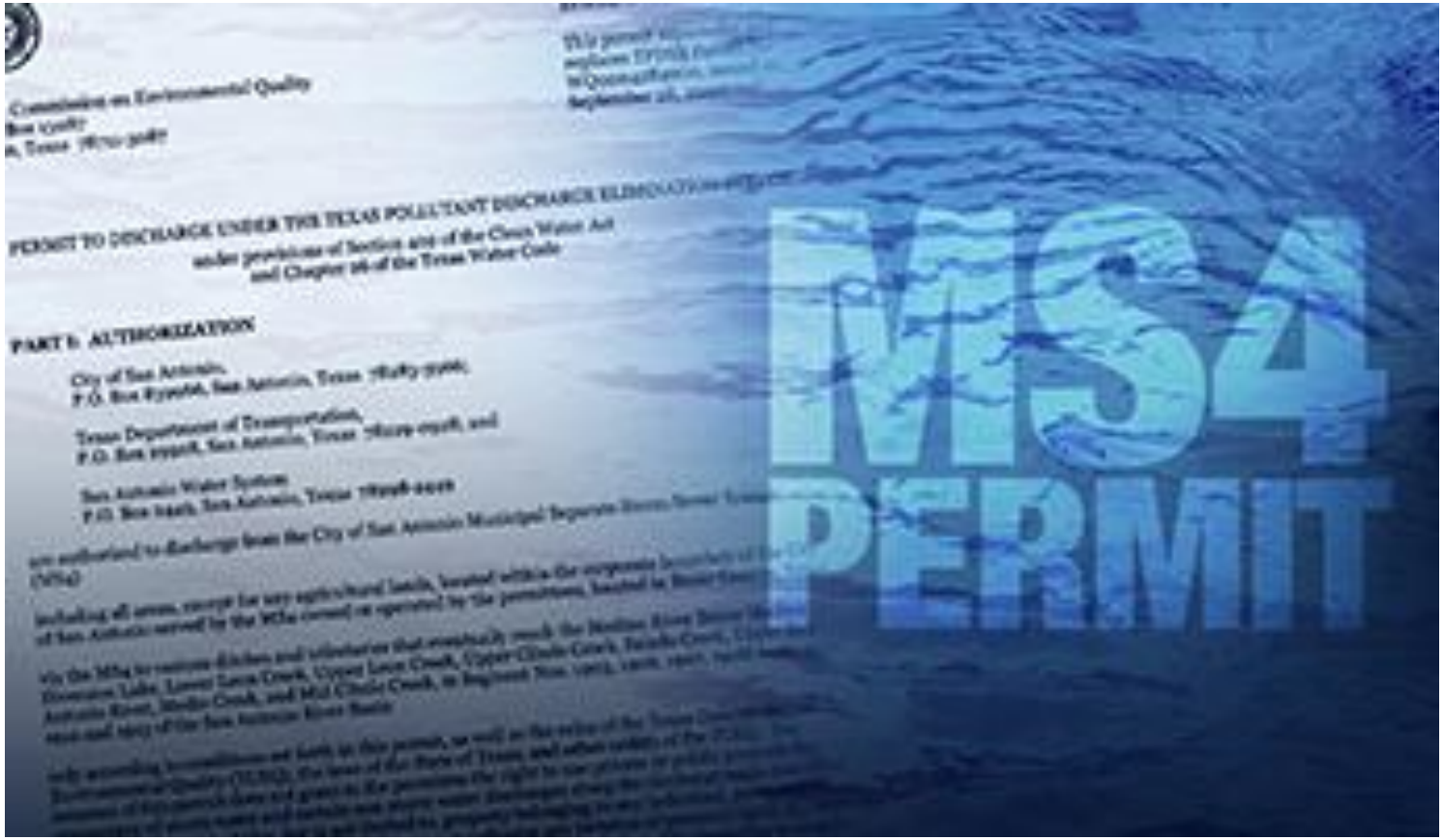
- PA DEP created state permitting program to meet federal regulation

US EPA – Urbanized areas

- The US EPA determines whether or not a community is in the Urbanized Area (UA) by using data from the US Census Bureau.
- Officials from small MS4s can determine if they are located within a UA by contacting:
  - The State or NPDES Permitting Authority (PADEP in PA)
  - County or Regional Planning Commissions or Boards
  - US EPA

PA MS4 Regulated Communities





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 and develop a written Stormwater management plan (SWMP).**
- **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.**
- **Six (6) Minimum Control Measures (MCMs) must be re-evaluated annually to determine compliance.**

6 Minimum Control Measures (MCM's)

- ***Public Education and Outreach***
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination (IDDE)
- Construction Site Stormwater Runoff Control
- Post Construction Stormwater Management
- Pollution Prevention/Good Housekeeping

GENERAL MS4 PERMIT INFORMATION – LOWER ALLEN TOWNSHIP



2018 General PAG-13 MS4 Permit

- Effective Date: March 16, 2018
- Expiration Date: March 15, 2023
- First reporting period ends on June 30, 2018
- First Annual Report was due September 30, 2018 (April 1, 2017- June 30, 2018)
- All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30

Stormwater Management

MCM #1 – PUBLIC EDUCATION & OUTREACH PROGRAM (PEOP)

- **MCM #1 requires MS4s implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of stormwater discharges on local waterbodies and the steps that can be taken to reduce stormwater pollution.**

- **Determine the appropriate best management practices (BMPs) and measurable goals for this MCM.**





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

REVISED 04-06-2018

Written by:
Rebecca L. Davis, MS4 Coordinator

Approved by:
Daniel J. Flint, P. E., Township Engineer

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Guidelines for developing MCM #1

3 Main action areas are important for successful implementation of a public education and outreach program.

1. Forming Partnerships
2. Using Educational Materials and Strategies
3. Reaching Diverse Audiences

Forming partnerships



- Utilize partnerships with other governmental entities to fulfill this MCM

  (PADEP, Neighboring municipalities)

- Seek assistance from non-governmental organizations, since many already have educational materials and perform outreach activities

- Examples in Lower Allen – YBWA (creek clean up events), Cedar Cliff High School, Mechanicsburg Earth Day Festival

Using educational materials & strategies

- You may use stormwater educational information provided by the State, EPA Region, or environmental association

- Create your own brochures



- **Examples Include:**

  Brochures

  Recreational guides

  Stormwater Hotlines

  Alternative information sources (websites, Facebook, posters)

  Educational Programs

  Storm Drain Stenciling

  Newsletter Articles

  www.latwp.org

www.latwp.org

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

HOME | INFORMATION | ELECTED GOVERNMENT | AGENDAS & MINUTES | ADMIN | COMMUNITY DEVELOPMENT | MS 4 STORM WATER | PARKS | PUBLIC WORKS | PUBLIC SAFETY POLICE • EMS FIRE

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 (BMPs)
- Resources

MARKING INLETS

MARKING INLETS

LEAF COMPOSTING

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

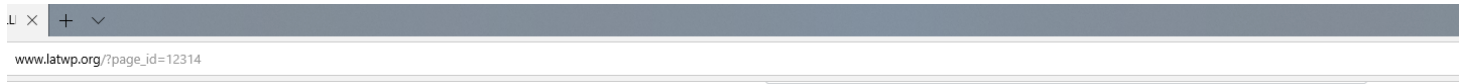
Information provided by the Environmental Protection Agency (USEPA) www.epa.gov & PA Department of Environmental Protection (PADEP) www.dep.pa.gov

Lower Allen Township

A Township of the First Class

A Residential Guide for Preventing Stormwater Pollution





Alliance for the Chesapeake Bay

Alliance for the Chesapeake Bay

VIEW SITE

Lower Allen Township MS4 Brochure

Lower Allen Township MS4 Brochure

CLICK HERE

Homeowner's Guide to Stormwater

Homeowner's Guide to Stormwater

VIEW SITE

Lower Allen Township Stormwater FAQ's

Lower Allen Township Stormwater FAQ's

CLICK HERE

Arcadis Stormwater Fee Presentation

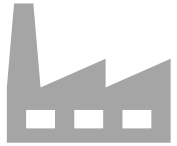
Arcadis Stormwater Fee Presentation

CLICK HERE

Reaching diverse audiences



The PEOP should use a mix of strategies to address the viewpoints and concerns of a variety of audiences and communities.



Include children, businesses, industrial and commercial uses etc.



Examples include:
Brochures to restaurants about the effects of grease clogging storm drains.

Handouts to auto garages about the effects of dumping motor oil into storm drains.

Presenting educational programs to local schools or recreation programs.

Flyers to neighborhoods that place grass clippings in the street.

LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

02.15.2018

Memo

To
Daniel Flint, P.E. (DF)

From
Rebecca Davis (RD)

CC
R. Allen (RA)

Re
Meeting Minutes
MS-4 Annual Review

On February 14, 2018, the staff members listed below gathered to review and revise as necessary the MS-4 program in Lower Allen Township. The program was discussed in the order of the six (6) Minimum Control Measures (MCMs) that make up the program.

Present:

Daniel Flint, P.E. (DF)
William P. Gralski (WPG)
Raymond Allen (RA)
Rebecca Davis (RD)

Comments:

The meeting began promptly at 1:00 PM and the discussions are described below:

MCM # 1 Public Education and Outreach

The main point discussed in this section of the meeting was the need for any modifications to target audience list. DF noted that we might want to customize the Target Audience List to reflect certain geographical regions of the Township by using GIS and mapping to determine Industrial and Commercial Areas to add to the list. RD discussed outreaching to schools, summer recreation programs, and the West Shore Chamber of Commerce. WG discussed the outreach that would occur with the possible adoption of a stormwater fee for the Township. DF indicated that there would be advertised public meetings to discuss the fee. DF also indicated that the annual public meeting to discuss MS4 would be occurring in March.

Lower Allen Township

Tel (717) 975-7575

2233 Gettysburg Rd.
Camp Hill, Pa. 17011

MCM #2 – Public involvement and participation

- **The USEPA believes that the public can provide valuable input and assistance to the MS4s municipal stormwater management program.**
- **The public should be given opportunities to play an active role in both the development and implementation of the program.**
- **Active and involved communities are crucial to the success of a stormwater management program.**





Why is public participation and involvement necessary?

- **Broader Public Support**
  - Citizens who participate in the development and decision making process are partially responsible for the program, and therefore may be less likely to raise legal challenges to the program and more likely to take an active role in its implementation.
- **Shorter implementation schedules**
  - Due to fewer obstacles in the form of public and legal challenges and increased sources in the form of citizen volunteers.
- **A Broader Base of Expertise and Economic Benefits**
  - Since the community can be a valuable, and free, intellectual resource.
- **A Conduit to other Programs**
  - Citizens will provide cross-connections and relationships with other community and government programs.

PUBLIC INVOLVEMENT & PARTICIPATION PLAN

FOR

MS4 PROGRAM – MCM #2
LOWER ALLEN TOWNSHIP
CUMBERLAND COUNTY
PA

April 6, 2018

Written by:
Rebecca L. Davis, MS4 Coordinator

Approved by:
Daniel J. Flint, P. E., Township Engineer

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What is Required?



Comply with applicable State and local public notice requirements.

Advertise public meetings that will be discussing MS4 requirements. Put the advertisements on the Township's website and Facebook page if applicable.

Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure such as:

- Public meetings/citizen panels
- Volunteer water quality monitoring
- Volunteer educators/speakers
- Storm drain stenciling
- Community clean – ups
- Citizen watch groups
- "Adopt a storm drain"

LAT Examples:
Public Meetings
YBWA Cleanups
Cub Scout clean up
Cub Scout tree plantings
Girl Scout – Bmp Signs
Cub Scout - Stenciling

Implementation challenges

- Alternate advertising methods as much as possible. Include radio, television, posting and distribution of flyers, neighborhood HOA outreach, telephone notifications, Facebook & website.
- Include a diverse cross-section of people who can offer a multitude of concerns, ideas, and connections during the program development process.
- Remember to document your steps along the way and have measurable goals and ways to improve your program.





Annual Reporting

DEP ANNUAL REPORT REQUIREMENTS

MS4 permit holders must report to PADEP Annually on how they have improved, changed and management the SIX MCMs in order to maintain compliance with their permit

Minimum control measures must be re-evaluated annually to determine compliance

DEP has changed the annual reporting period to be from June 1- July 30 of each year with the annual report due by September 30 of each year

There is also a $500 fee required to be submitted with each annual report if you have a General PAG-13 NPDES Permit. Individual permits are required to submit a $1,000 annual fee to PADEP.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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

This template should be used for Annual MS4 Status Reports submitted to DEP in accordance with the permit. For existing MS4s, the first annual report will be due on September 30, 2018 and will be required annually thereafter by September 30th. For new MS4s, the first annual report will be due by the first September 30th after the first year of permit coverage, and will be required annually thereafter by September 30th.

Identify the reporting period at the top of the form. The reporting period will normally run from July 1 – June 30. For existing MS4s, however, the first annual report will need to have a different reporting period to implement the transition from a variable reporting cycle to a standardized reporting cycle. To make this transition, all MS4s with existing permit coverage with any reporting period that extends beyond June 30, 2017 will now have a new reporting period end date of June 30, 2018, with the report due on September 30, 2018. For example, an existing MS4 permittee with annual reporting period of January 1 – December 31 would, for the first annual report following the transition, have a reporting period of January 1, 2017 – June 30, 2018 (due by September 30, 2018). Thereafter the annual reporting period will run from July 1 – June 30.

General Information

Record the name of the permittee, the permittee's full mailing address, the permittee's primary contact person for MS4 issues and this person's title, phone number and email address. Also record the NPDES permit number, the effective date of permit coverage, the expiration date of permit coverage (if applicable), the date by which an application or NOI is due for reissuance / renewal (if applicable) (i.e., 180 days prior to expiration date unless permission is granted by DEP for a later date), and the municipality and county where the MS4 is located. It is noted that MS4s with PAG-13 General Permit coverage will not report an expiration date or a renewal due date because coverage under PAG-13 generally does not expire.

If the permit was issued to co-permittees, list the name(s) of all other co-permittees, otherwise enter "N/A" in the space provided.

Check the appropriate box(es) to indicate the appendix or appendices that the permittee must comply with.

Water Quality Information

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

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD _____ TO JUNE 30, _____

GENERAL INFORMATION	
Permittee Name:	NPDES Permit No.: PA
Mailing Address:	Effective Date:
City, State, Zip:	Expiration Date:
MS4 Contact Person:	Renewal Due Date:
Title:	Municipality:
Phone:	County:
Email:	
Co-Permittees (if applicable):	
Appendix(ces) that permittee is subject to (select all that apply): ☐ Appendix A ☐ Appendix B ☐ Appendix C ☐ Appendix D ☐ Appendix E ☐ Appendix F	

WATER QUALITY INFORMATION

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

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

Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?

Tips for Annual Report Completion



Documentation! It didn't happen if you did not document it!

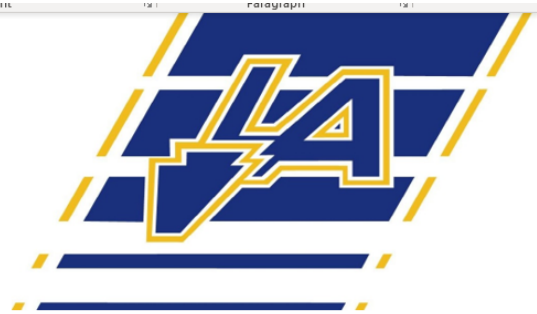


Stay organized - when the reporting period has ended you should be able to find the documentation for the report if you have been organized throughout the reporting period and should be able to complete the report with ease.

Measurable Goals

- Measurable goals are required for each MCM and must be included in your annual report to PADEP.
- The goals should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measures(MCM).
- They should allow the MS4 to make improvements to its program over each 5-year permit term by providing data on program successes and shortfalls





MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS – 4) ANNUAL REPORT

FOR

Lower Allen Township, Cumberland Co.

Submitted

PERMIT YEAR 04/17 – 06/18

PREPARED BY:

LOWER ALLEN TOWNSHIP CUMBERLAND COUNTY, PA

TRANSMITTAL LETTER

Department of Environmental ProtectionAnnual Report Form for MS-4 Program -Form 3800-FM-BCW0491 9/2017

ATTACHMENTS TO ANNUAL REPORT

ATTACHMENT # 1 ..... ANNUAL PROGRAM REVIEW MEMO
ATTACHMENT # 2 ..... LOWER ALLEN TOWNSHIP TARGET AUDIENCE LIST
ATTACHMENT # 3 ..... WEBSITE UPDATES - MS-4 PAGE AND SCREENSHOTS
ATTACHMENT # 4 ..... TOWNSHIP NEWSLETTER ARTICLES & MEETING MINUTES
ATTACHMENT # 5 ..... TOWNSHIP'S MS-4 FACEBOOK POSTINGS
ATTACHMENT # 6 ..... TOWNSHIP EASTER EGG HUNT MS-4 FLYER
ATTACHMENT # 7 ..... TOWNSHIP GARDNER'S GATHERING EVENT - MS4 CONTENT
ATTACHMENT # 8 ..... EARTH DAY FESTIVAL BROCHURES
ATTACHMENT # 9 ..... CAPCOG ADVERTISEMENT
ATTACHMENT # 10 ..... CEDAR CLIFF HIGH SCHOOL PRESENTATION & QUIZ
ATTACHMENT # 11 ..... WEST SHORE RECREATION CAMP PRESENTATION & PICTURE
ATTACHMENT # 12 ..... MS-4 PAMPHLETS - FRONT COUNTER
ATTACHMENT # 13 ..... MS-4 HANDOUTS FOR NATIONAL NIGHT OUT
ATTACHMENT # 14 ..... POLLUTION REDUCTION PLAN INFORMATION
ATTACHMENT # 15 ..... ANNUAL MS4 MEETING ADVERTISMENT & INFORMATION
ATTACHMENT # 16 ..... YELLOW BREECHES CLEAN UP EVENT
ATTACHMENT # 17 ..... PADEP HANDOUT - CONSTRUCTION SITE RUNOFF
ATTACHMENT # 18 ..... MS4 TRAINING SCHEDULE & MS4 ACTIVITY SHEET
ATTACHMENT # 19 ... ANNUAL TRAINING AGENDA/PRESENTATION & SIGN IN SHEET
ATTACHMENT # 20 ..... OUTFALL SCREENING FORMS & PHOTOGRAPHS
ATTACHMENT # 21 ..... BMP INVENTORY & INSPECTION REPORTS
ATTACHMENT # 22 ..... PADEP PRP CORRESPONDENCE
ATTACHMENT # 23 ..... IDDE INVESTIGATIONS
ATTACHMENT # 24 ..... BMP INVENTORY FOR PRP PLAN IMPLEMENTATION
ATTACHMENT # 25 ..... PUBLIC WORKS OPERATION & MAINTENANCE REPORT
ATTACHMENT # 26 ..... PUBLIC WORKS FACILITIES LIST

MS4Forum

Municipal Stormwater Forum

Certificate of Attendance

is hereby granted to

Rebecca Davis

Lancaster County Clean Water Consortium

MS4orum

on Monday, June 3, 2019

LCCWC Steering Committee

ATTACHMENT #11

MS-4 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 #12

YELLOW BREECHES CLEAN UP EVENTS

ATTACHMENT #12

YELLOW BREECHES SPONSORED EVENTS

Yellow Breeches

Family Creek Cleanup

Sunday, July 15, 2018

LOWER ALLEN COMMUNITY PARK
FERNLAWN PAVILION
11:00 a.m. – 6:00 p.m.

Includes:

- Bag lunch
- Shuttle for you and your boat
- Guided paddle and cleanup from kayaks and canoes
- Gloves and trash bags
- Pizza dinner
- And more!

$10 donation encouraged to offset insurance costs. Participants must bring their own canoe or kayak, life jacket, paddles, and water bottle. Registration forms available at:

www.ybwa.org

Yellow Breeches Watershed Association




ONE LANE
BRIDGE
WEIGHT LIMIT 3 TONS
YBWA

SUEZ Water Pennsylvania
Mechanicsburg Operations
R.C. Rabold WTP
1081 Limekiln Road
New Cumberland, PA 17070
telephone 717-737-1475
facsimile 717-972-1028

4/5/19

SUEZ Trout Day 2019 Report

The first day of trout season along the Yellow Breeches Creek at the R. C. Rabold WTP had mild weather this year on Saturday, March 30. The creek level was average and the water was clear for fishing. Anglers were in abundance throughout the sunny morning with a gentle breeze throughout the day as the temperature reached 70 degrees. **This year's "Trout Day" was the 18th annual event for SUEZ** with coffee and doughnuts starting at 7:00 a.m. After 9:00 a.m. grilled sausages, hamburgers and hot dogs were served with beverages until 1:00 p.m.

The food was provided by SUEZ at no charge. Donations were encouraged and accepted to benefit the Yellow Breeches Watershed Association (YBWA). A cash total of $210.00 was collected and will be presented to YBWA.

We thank the following event partners for helping us promote "Trout Day" and for displaying environmental protection information: Radio talk show host Bob Carey, Penn State Cooperative Extension, and the Yellow Breeches Watershed Association.

Biggest trout measurements were facilitated for anglers in two categories. Items donated for give-aways included fishing rod & reel combo sets, tackle boxes, knives, fishing nets, lures & lure boxes.

Twenty-four adults signed-up during this year's event. We congratulate twelve participants in the Adult category:

<u>Adults</u>

- 1st Place – Randy Magado, from Etters, 19" Brown Trout
- 2nd Place – Amberlyn Mussersmith, from York, 13" Rainbow Trout
- 3rd Place – Brandon Reynolds, from New Cumberland, 12 ½" Rainbow Trout
- 3rd Place – Mark Spangenberg, from York, 12 ½" Rainbow Trout
- 4th Place – Steve Brudowsky, from Enola, 12 ¼" Brown Trout
- 5th Place – Matt Coller, from Herndon, 11 ¾" Rainbow Trout
- 6th Place – Daryl Kauffman, from Lewisberry, 11 ½" Brook Trout
- 6th Place – Max Bingaman, from Dalmatia, 11 ½" Rainbow Trout

- 6th Place – Ian Coller, from Herndon, 11 ½" Brown Trout
- 7th Place – Wyatt Bingaman, from Dalmatia, 11" Rainbow Trout
- 8th Place – Bennett Bingaman, From Dalmatia, 10 ½" Rainbow Trout
- 8th Place – Abbie Wooten, from York, 10 ½" Rainbow Trout

Six youths signed-up and three caught a trout during this year's event. The following individuals were congratulated in the Youth category:

Youths (Age 12 & Under)

- 1st Place – Kyle Garinger, from Strausburg, VA, 12 ¾ " Rainbow Trout
- 2nd Place – Kyle Kauffman, from Harrisburg, 12" Rainbow Trout
- 2nd Place – Jake Garinger, from Strausburg, VA, 12" Rainbow Trout

Thanks to the following employees who assisted with set-up, refreshments, measurement signups and displays: Bob Eberly, Lead Operator, and wife, Frieda, Bob Manbeck, Public Affairs Manager, Chad Bingaman, Production Superintendent, Scott Schreffler, Assistant Supervisor, John Clappsaddle, Asset Mgmt Specialist, Mark Baker, Assistant Operations Manager, Bill Lindsey, Plant Operator.

Gratitude was expressed to the following YBWA members who assisted with event facilitation: John Eby, Treasurer, coordinating YBWA's involvement, including posting flyer invitations, setting up tables and displays; Brook Lenker, President; Thomas Kutz, Director; Joe Sabadish, Director.

YBWA, in cooperation with 'Great American Cleanup of PA,' organized a streamside litter cleanup from 10 am – 12 pm. Volunteers John Eby, Bonnie Newhouse, Joe Sabadish, Charles Young, Alan Thomas, Samantha Landis, and Thomas Kutz collected trash along the creek banks on SUEZ property. Several large trash bags were filled with items retrieved for disposal and recycling.

Trout Day continues to be an exceptional community event for visitors to learn more about the Yellow Breeches Creek watershed and their drinking water supply. Many were repeat visitors from previous years, along with several families who attended for the first time to experience our event.

Robert B. Eberly Jr.
Lead Operator
Mechanicsburg Operations

"Trout Day 2019"

Welcome Anglers and Outdoor Enthusiasts!

The 18th Annual "Trout Day" community event will be held Saturday, March 30st along the Yellow Breeches Creek at the convergence of Slate Hill and Limekiln Roads in Fairview Township.

SUEZ and the Yellow Breeches Watershed Association (YBWA) host the event. Watershed maps and Water Trail brochures will be available at the YBWA table.
Field & Stream is sponsoring Sporting Equipment Give-Away Items.
Penn State Extension – Cumberland County and
Radio Talk Show Host Bob Carey will display
Environmental Preservation information.

Free food & refreshments will be available for attendees from 7:00 a.m. until 1:00 p.m. Donations to YBWA are encouraged.

A streamside clean-up is planned from 10:00 a.m. until 12:00 p.m. in cooperation with Great American Cleanup of PA. Gloves, vests, and trash bags will be provided to interested participants who should meet at the YBWA table at 10:00 a.m.



FISHING!!!
FUN!!!



FREE!!!
FOOD!!!



ATTACHMENT #13

ANNUAL MS-4 MEETING & ADVERTISEMENT

Lower Allen Township
MS4 Program

Annual Update
And
Public Meeting

April 8, 2019

MS4 NPDES Program

- What is MS4?
  - Municipal
  - Separate
  - Storm
  - Sewer
  - System

Background

A PROGRAM UNDER WHICH A MUNICIPALITY IS ISSUED A PERMIT TO DISCHARGE STORMWATER INTO THE CHESAPEAKE BAY

THE INTENT OF THE MS4 PROGRAM IS TO REDUCE POLLUTANTS INTO WATERS OF THE COMMONWEALTH

THE MS4 PROGRAM IS REGULATED BY BOTH THE UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP)

Storm Water Permit Program for Small Communities

- Federal regulation requires permit for our community
  - National Pollutant Discharge Elimination System (NPDES)
- PA DEP created state permitting program to meet federal regulation

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 of the permit (MCMs)

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

GENERAL MS4 PERMIT INFORMATION

2018 PAG-13 NPDES General MS4 Permit No. PAG 133711



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 (April 1, 2017- June 30, 2018)

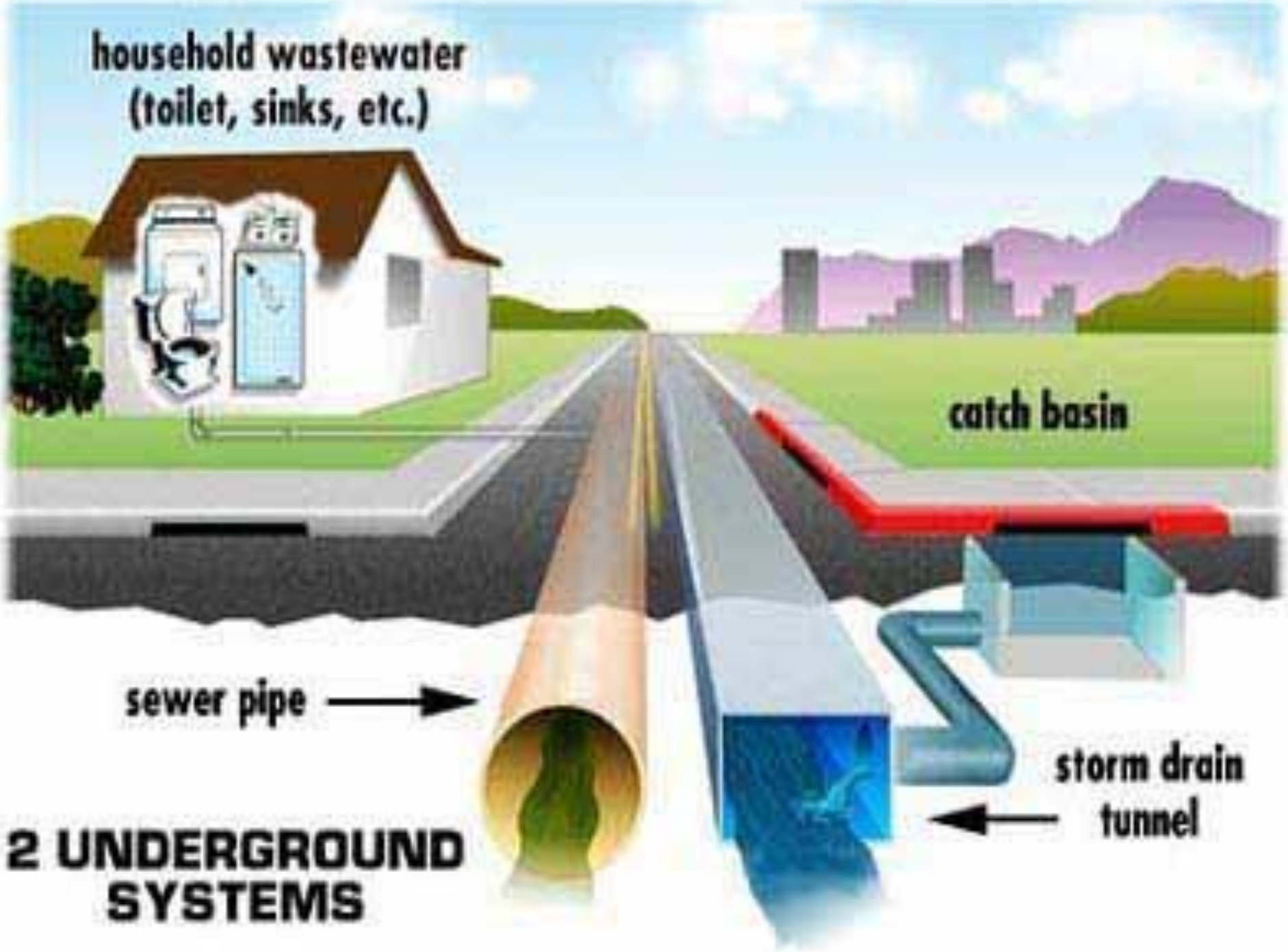
All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30

***A $500 fee is now required to be submitted with EACH annual report to PADEP**

Stormwater Management

Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts


household wastewater
(toilet, sinks, etc.)
catch basin
sewer pipe
storm drain
tunnel
2 UNDERGROUND
SYSTEMS

LAT Storm Water Program Minimum Control Measures (MCMs)

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

LAT Stormwater Program- Additional Requirements

Pollution Reduction Plan (PRP)

Pollution Control Measures (PCMs) – Added to the permit in Appendices



Requirements & Changes to the 2018 PAG-13 NPDES General Permit



MCM #1 - Public Education and Outreach

- Develop and Distribute educational materials with general stormwater information - at least one publication required annually (newsletter, website)
- Distribute educational materials to target audiences using a variety of distribution methods – at least two distribution methods annually in addition to the requirement above (meetings, presentations, bill stuffers, posters, pamphlets, brochures)
- Maintain and update outreach plan for community
- Educate public on water quality impacts due to stormwater runoff and steps for reduction of pollutants

MCM #2 - Public Involvement/Participation

- Make Annual MS4 Reports and all other plans, programs, maps, and reports required by the permit available to the public on the website, at the office or by mail request
- Create opportunities for the public to participate in the program.
- Advertise and solicit public input on the following documents prior to submission to PADEP
  - Stormwater Management Ordinance
  - Pollution Reduction Plan
- Hold a public meeting on the program by March 15, 2023 to solicit public involvement and participation.
- Support volunteer programs
  - Water Quality Monitoring
  - Storm Drain Identification
  - Stream Clean-Ups

MCM #3 - Illicit Discharge Detection and Elimination

- * Enact DEP's model ordinance or update our existing ordinance that includes prohibition of non-stormwater discharges to the MS4. This must be completed and submitted with the annual report by September 30, 2022.

- * 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
  - In addition to air conditioning condensate, the discharge of non-contaminated water from geothermal systems is authorized.

- Update and maintain mapping as necessary

MCM #3 - Illicit Discharge Detection and Elimination (cont.)

- Implement program to detect non-storm water in system.
  - * Identify Priority Outfalls and sample those annually. These are areas that have high-risk activities or a history of water pollution problems.
  - Inspect all other identified MS4 Outfalls at least once by March 15, 2023.
  - * Sampling is required if discharge is observed to have any color, odor, or turbidity.
- Educate community on problems related to dumping in storm sewers
  - Promote recycling programs for commons wastes such as motor oil and antifreeze (Cumberland County Household Hazardous Waste)
  - Provide a reporting mechanism for illicit discharges that is available to the general public

Lower Allen Township, PA

March 29 at 11:18 AM ·

Cumberland County Household Hazardous Waste Program:

New Program Format for 2019: Appointments required and a fee of $0.30/lb will be charged.

Participants must sign up for an appointment in advance. Appointment slots are available in 15 minute increments and are limited to 12 customers per slot. ... See More



CCPA.NET

2019 Household Hazardous Waste Drop-Off Program | Cumberland County, PA - Official Website

Create an Account - Increase your productivity, customize your experience, and engage in...

MCM #4 - Construction Site Storm Water Runoff Control

- *Enact DEP's model ordinance or update our existing ordinance by September 30, 2022.
- Coordinate with Cumberland County Conservation District
  - Erosion and Sediment Control Program
  - NPDES Construction Storm Water Permitting for sites with over one acre of disturbance
- Educate construction industry – add contractors/builders to Target Audience List
- Provide educational material to contractors working in Lower Allen Township

MCM #5 - Post-Construction Storm Water Management

- *Adopt PA DEP's model storm water management ordinance by September 30, 2022. Develop and implement measure to encourage Low Impact Development (LID) in new development and re-development
- Ensure proper operation and maintenance of post-construction controls
- Continue BMP monitoring through annual mailing and reporting system
  - All BMPS that were installed to meet the requirements in the NPDES permit for stormwater discharges associated with construction activities approved since March 10, 2003.

MCM #6 - Pollution Prevention/ Good Housekeeping

- Implement O & M program that focuses on pollution prevention
- Train municipal employees on good housekeeping practices – Lower Allen has held police, fire, and new employee training within the reporting period . Public works training scheduled for later this month.
- Educate community on pollution prevention

Pollutant Control Measures (PCMs)

- PADEP has developed appendices for PCMs in the 2018 PAG-13 General Permit
- The appendices are related to Pathogens (Appendix B), and Priority Organic Compounds (Appendix C).
- PCMs requirements include the development of maps, an inventory of known or suspected sources of pollutants, and submission of a report documenting investigations of suspected sources

PCMs (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

PA.GOV
Tom Wolf, Governor

MS4 Requirements

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Patrick McDonnell, Secretary

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).

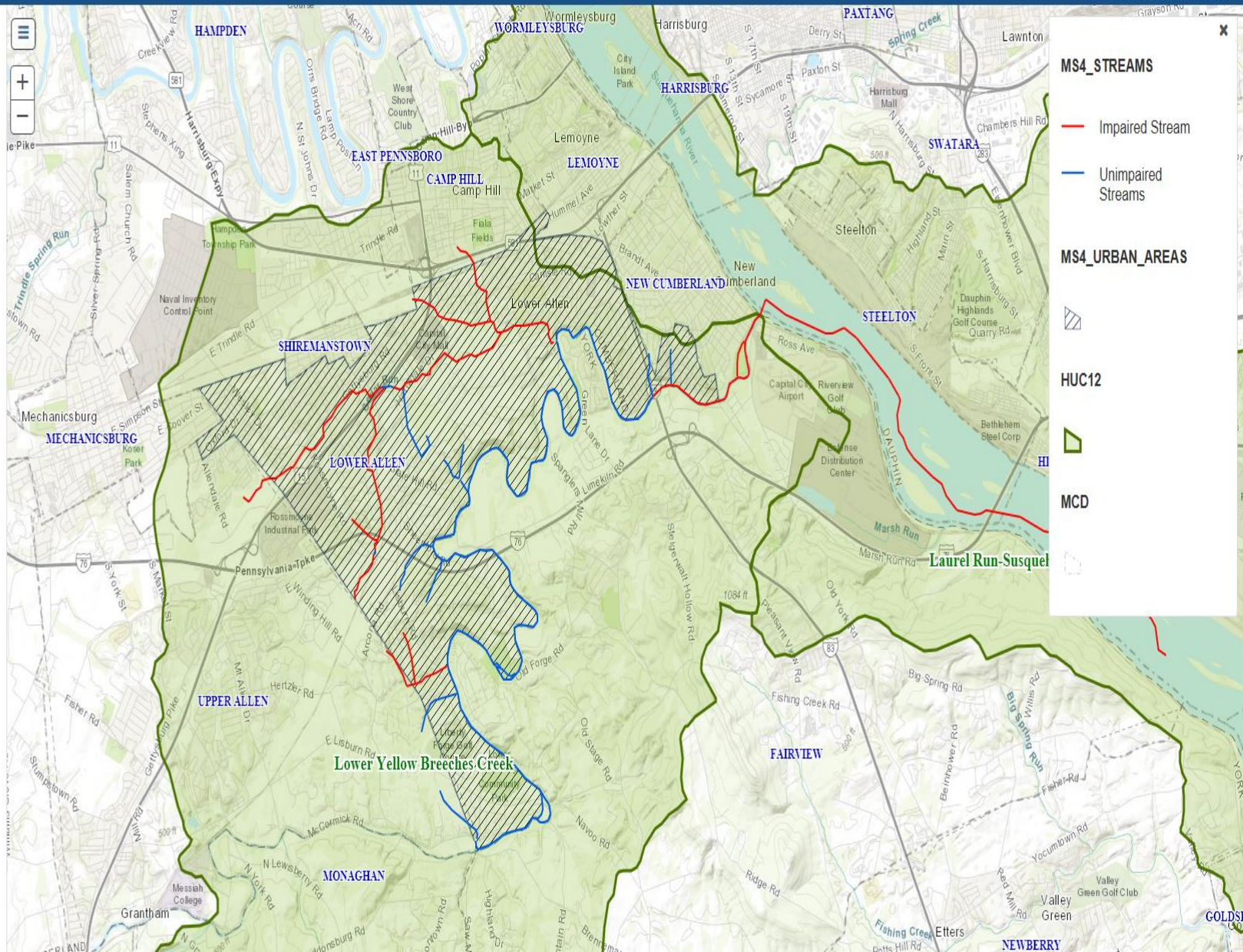
Additional information regarding permitting requirements can be found at the Pennsylvania Municipal Stormwater Homepage.

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 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 (PCMs)
- Complete and submit annual report

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

Lower Allen Township MS4 Program Longer Term Efforts

- Revise Target audience lists as needed
- Implement program changes in PAG - 13 – ordinance adoption

Public Comments

Questions?

For More Information. . .

Rebecca Davis

- rdavis@latwp.org

717-975-7575 ext 1010

Township MS4 Coordinator

5865494

Order Confirmation

Ad Order Number 0009091424

Customer

LOWER ALLEN TOWNSHIP
*Account:*1125
LOWER ALLEN TOWNSHIP
2233 GETTYSBURG RD,
CAMP HILL PA 17011 USA

(717)975-7575

FAX:7177374182
Helen Grundon <HGrundon@latwp.org>

Payor Customer

LOWER ALLEN TOWNSHIP
Account: 1125
LOWER ALLEN TOWNSHIP
2233 GETTYSBURG RD,
CAMP HILL PA 17011 USA

(717)975-7575

PO Number

Sales Rep. Marianna Aldridge
Order Taker Marianna Aldridge
Order Source
Special Pricing

Tear Sheets	0	*TearsheetsCost*	$0.00	*Net Amount*	$80.05
Proofs	0			*Tax Amount*	$0.00
Affidavits	1	*AffidavitsCost*	$5.00	*Total Amount*	$80.05
Blind Box				*Payment Method*	Invoice
Promo Type				*Payment Amount*	$0.00
Materials				*Amount Due*	$80.05
Invoice Text	Stormwater Program Meeting				

Ad Schedule

Product	The Patriot News	*Placement/Class*	Main Legals
# Inserts	1	*POS/Sub-Class*	Meeting Notices
Cost	$72.55	*AdNumber*	0009091424-01
Ad Type	PA CLS Legal Liner	*Ad Size*	1 X 15 li
Pick Up #	0009090409	*Ad Attributes*	
External Ad #		*Color*	<NONE>
Production Method	AdBooker	*Production Notes*	

Run Dates 04/02/2019 *Sort Text* STORM500PROGRAMMEETINGLOWERALLENTOWNSHIPISISSUEDAPERMITFROMTHEPADEPTOOPERATETHEMUNI

Product	PennLive.com	*Placement/Class*	Main Legals
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Cost	$2.50	*AdNumber*	0009091424-01
Ad Type	PA CLS Legal Liner	*Ad Size*	1 X 15 li
Pick Up #	0009090409	*Ad Attributes*	
External Ad #		*Color*	<NONE>
Production Method	AdBooker	*Production Notes*	

Run Dates 04/02/2019 *Sort Text* STORM500PROGRAMMEETINGLOWERALLENTOWNSHIPISISSUEDAPERMITFROMTHEPADEPTOOPERATETHEMUNI

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0009091424-01

Ad Content Proof

Stormwater Program Meeting

Lower Allen Township is issued a permit from the PaDEP to operate the Municipal Separate Storm Sewer System (MS4). As part of that permit, a presentation on the Township's Stormwater Program is made annually at an advertised public meeting. That presentation for 2019 will be held in conjunction with the regular Board of Commissioners meeting on Monday, April 8, 2019, beginning at 7:00 PM at the Township Office, 2233 Gettysburg Road, Camp Hill, Pa. The public is invited to attend and participate.

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ATTACHMENT #14

FEULING FACILITY MAILING

FUEL

Business Name	Site Address
New England Motor Freight	2800 Appleton St
Uber's Tire Sales & Auto Service	1101 Carlisle Road
HET Enterprises LLC (Texaco Food Mart)	1500 Cedar Cliff Dr
Auto Body Pros Incorporated	141 Creek Rd
Bair Machine Company	153 Creek Rd
Hempt Brothers	205 Creek Rd
Becker's Service Center	3150 Gettysburg Rd
GPS Mart LLC	2205 Gettysburg Rd
Keiser's Service Center, C/O James & Linda Sariano	2401 Gettysburg Rd
Thomas E. Brown Auto Body Shop	5030 Arthur Avenue
U-Haul Rental	4725 Gettysburg Road
Dairy Farmers of America, Inc.	4825 Gettysburg Road
HET Enterprises LLC (Gulf)	4840 Gettysburg Road
Camp Hill Auto and Truck-Becker's	3303 Hartzdale Drive
Farr Family Tires	3537 Hartzdale Drive
YCH Properties LP & BJs Fueling Station	3809 Hartzdale Drive
Auto Camp Tire & Auto Service	3609 Hartzdale Drive
BJ's Wholesale Club	3805 Hartzdale Drive
Petroleum Auto & Tire Center	1599 Hummel Avenue
Keystone Oil Products	1600 Hummel Avenue
Weis Market	1195 Lowther Road
HET Enterprises LLC	3635 Simpson Ferry Rd
AutoZone	5012 Simpson Ferry Rd
Turkey Hill Minit Market	5150 Simpson Ferry Rd
The Auto Connection	5200 Simpson Ferry Rd
Ward Trucking	1115 Slate Hill Rd
Jim Browand Auto Body Shop	1121 Slate Hill Rd
L.B. Smith, Inc.	2001 State Rd
Uni-Mart Store #4274	1004 Wesley Dr
Farr Family Tire	3537 Hartzdale Drive

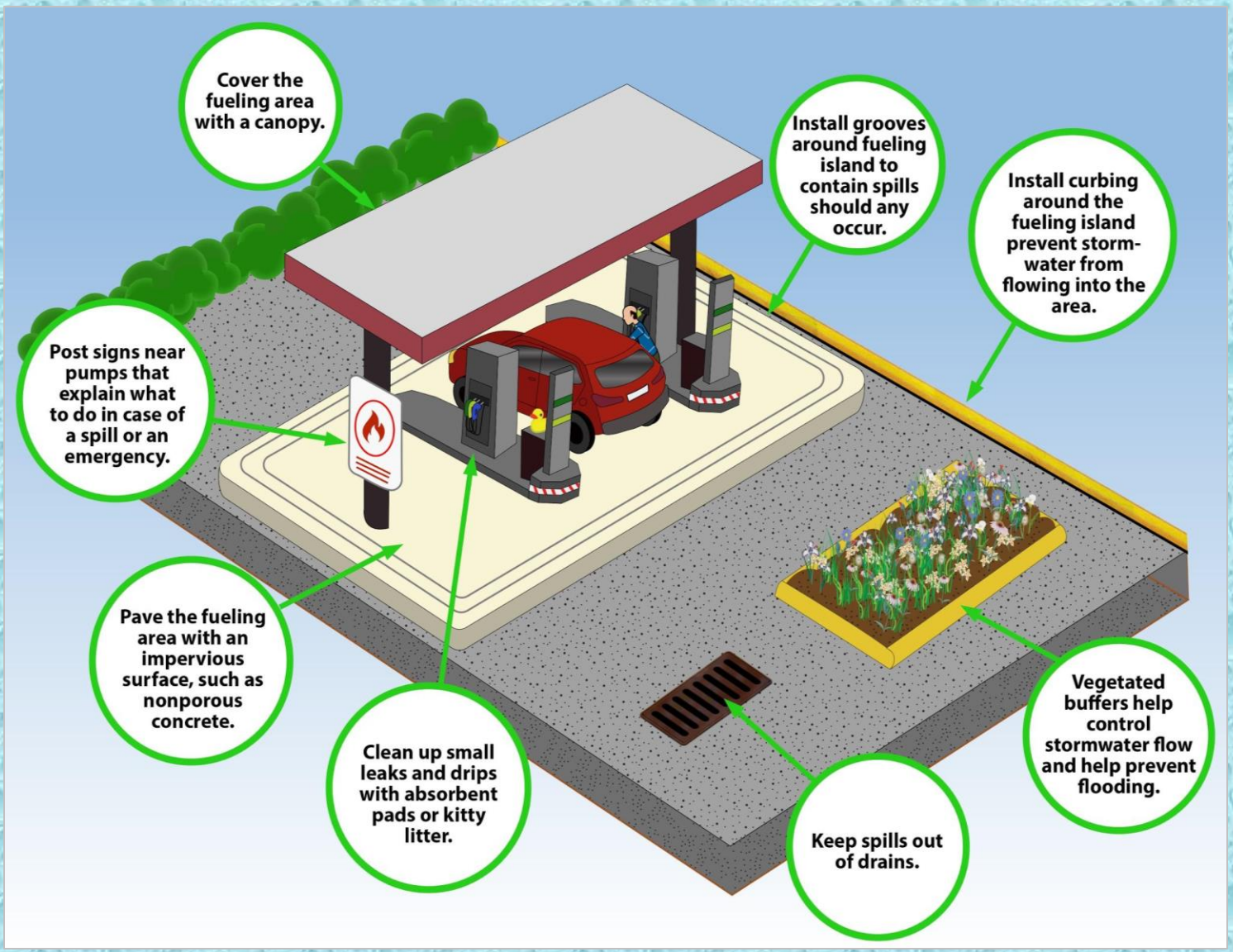
MAILED OUTREACH FLYER ON JUNE 13, 2019

.ING FACILTIES IN LAT

City	Zip	State	Street Mailing Address	City
Camp Hill	17011	PA		
Camp Hill	17011	PA	**3010 Morningside Drive**	**Camp Hill**
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Mechanicsburg	17055	PA	**EAH Property Holdings**	**Mechanicsubrg**
Mechanicsburg	17055	PA	**Thirteen Sac Self Storage Corp**	**Mechanicsubrg**
Mechanicsburg	17055	PA		
Mechanicsburg	17055	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA	**Doris Wonders**	**Camp Hill**
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Mechanicsburg	17050	PA		
Mechanicsburg	17050	PA		
Mechanicsburg	17050	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Camp Hill	17011	PA		
Mechanicsburg	17050	PA		
Camp Hill	17011	PA		

State	Zip
PA	17011
PA	17055
PA	17055
PA	17011

PUT a BRAKE on POLLUTED STORMWATER RUNOFF FROM FUELING FACILITIES!



Lower Allen Township is committed to keeping our creeks and waterways clean! The Best Management Practices illustrated above can help us achieve that commitment. Keep these in mind when performing maintenance around your facility. For any questions regarding Lower Allen Township's Stormwater Management Program, please contact Rebecca Davis, MS4 Coordinator, at 717-975-7575 ext. 1010, or rdavis@latwp.org

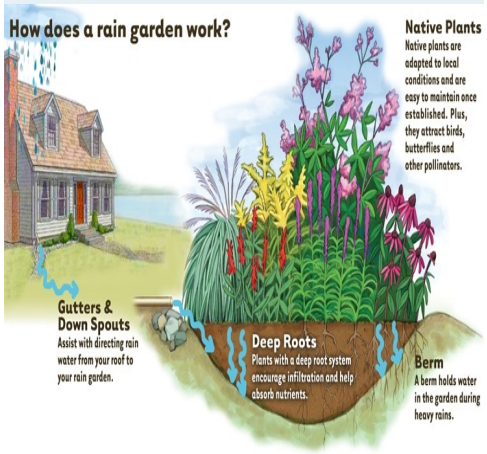
ATTACHMENT #15

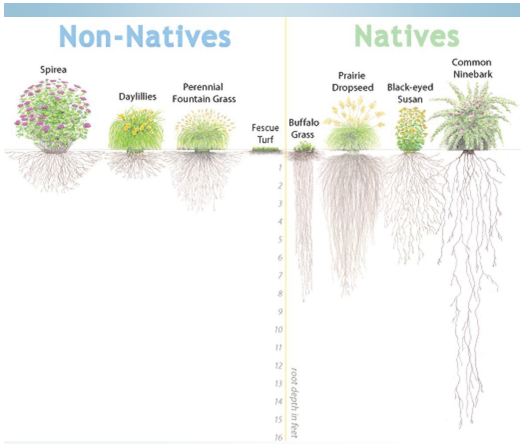
NATIONAL NIGHT OUT BROCHURES

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 plant s 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.allinaceforthebay.org

Lower Allen Township

A Township of the First Class

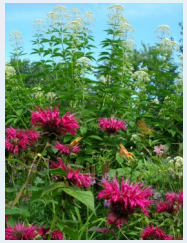
A Residential Guide for Constructing Your Own Raingarden



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 .

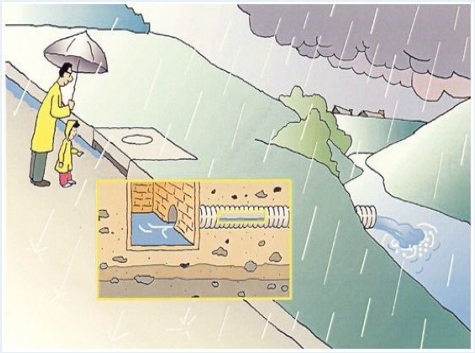
*Additional information regarding conducting infiltration tests and rain garden sizing can be found on the Alliance for the Chesapeake Bay website: www.stormwater.allianceforthebay.org



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

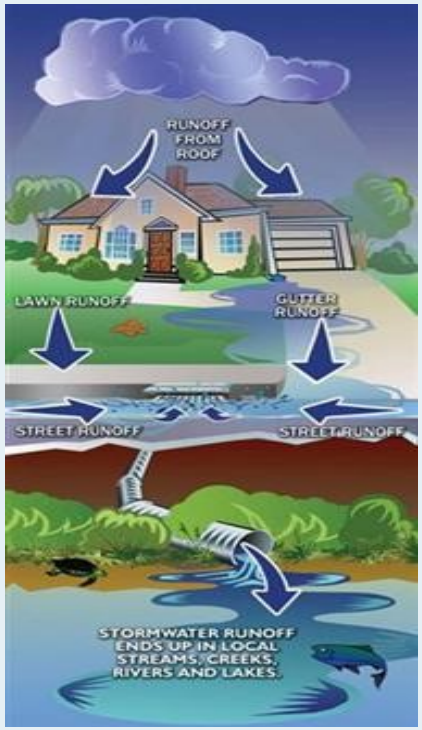
A Township of the First Class

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.



ATTACHMENT #16

GRASS CLIPPINGS MAILINGS

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

October 8, 2018

Re: Grass Clippings in Street
Windsor Park

Dear Resident:

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents are conscientious about keeping the clippings out of the street, others continue to ignore this. Recent site inspections by Township staff have validated grass clippings in the street throughout the Windsor Park neighborhood. 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.

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 and Property Maintenance 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.

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
Township MS4 Coordinator

Cc: Daniel J. Flint, P.E., NSPE, Township Engineer/Public Works Director

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

October 8, 2018

Re: Grass Clippings in Street
Rossmoyne Manor

Dear Resident:

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents are conscientious about keeping the clippings out of the street, others continue to ignore this. Recent site inspections by Township staff have validated grass clippings in the street throughout the Rossmoyne Manor neighborhood. 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.

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 and Property Maintenance 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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ATTACHMENT #17

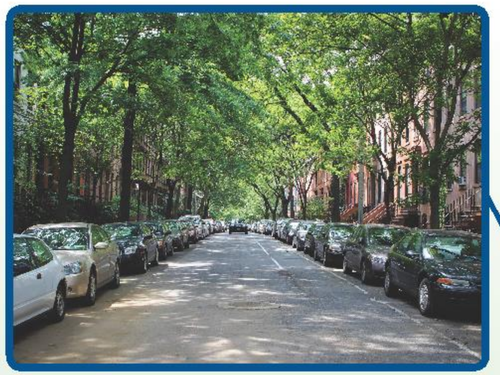
TOWNSHIP BROCHURES AVAILABLE TO THE PUBLIC

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

soak up the rain
created by U.S. EPA



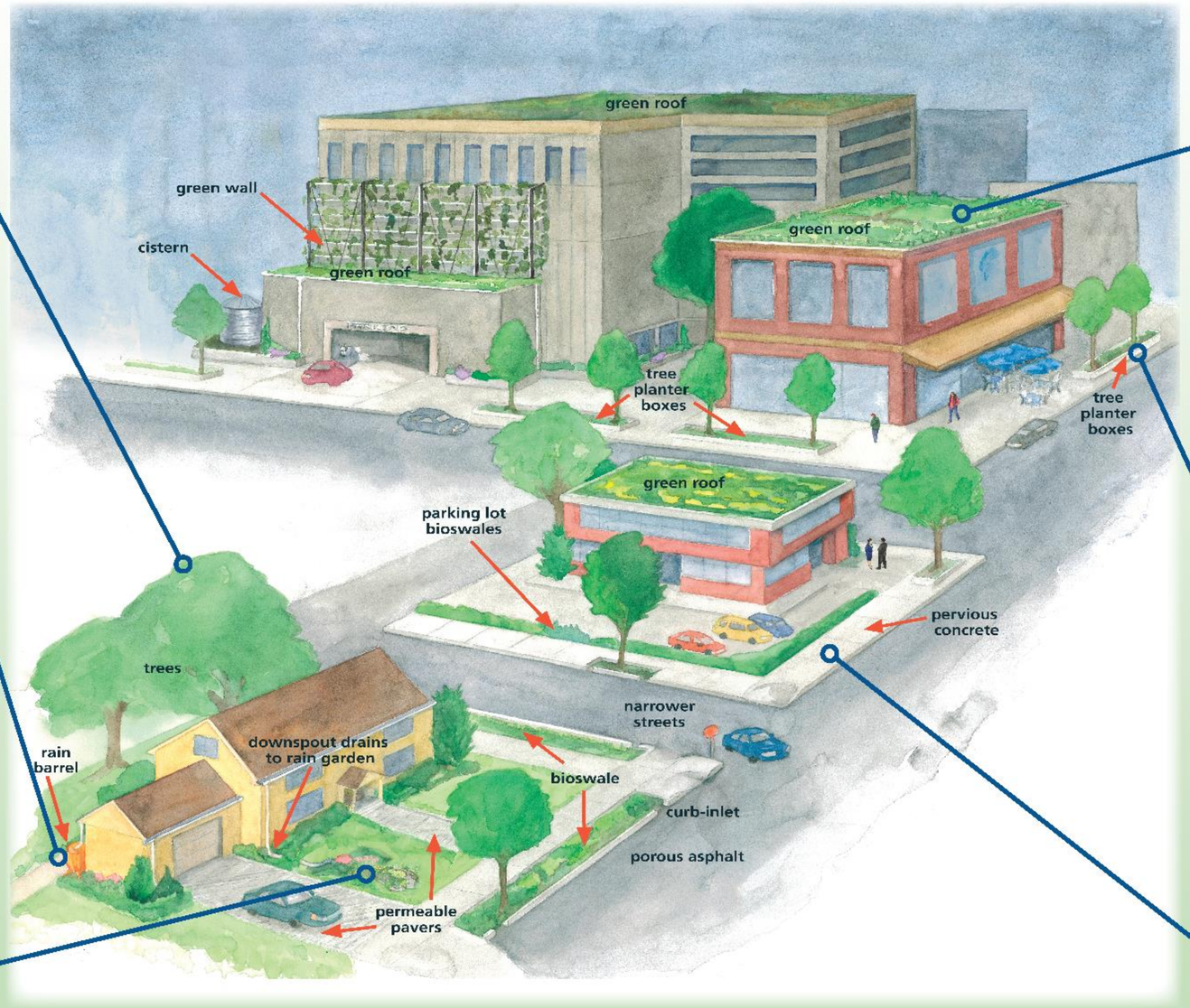
Tree Canopy



Rain Barrel



Rain Garden





Green Roof



Tree Planter Box



Pervious Concrete

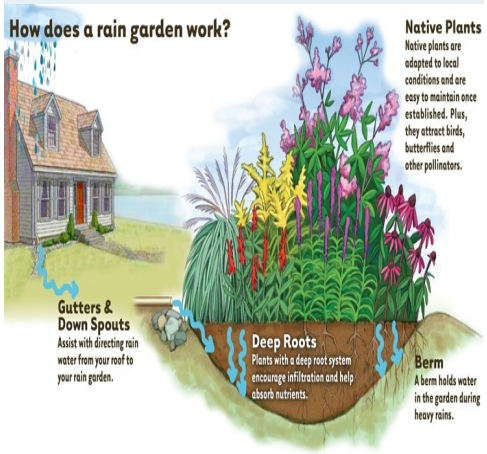
Learn more. Take Action.

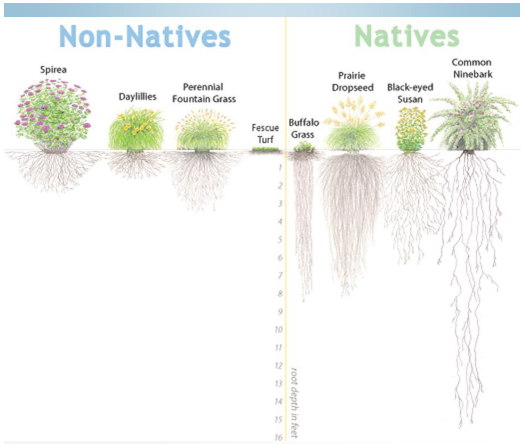
Poster created by U.S. EPA Office of Wetlands, Oceans and Watersheds.
EPA does not oversee independent Soak Up the Rain programs.

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 plant s attract birds, butterflies, and many other species.

For Additional Information Contact:

Lower Allen Township

2233 Gettysburg Road
Camp Hill, PA 17011
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Lower Allen Township

A Township of the First Class

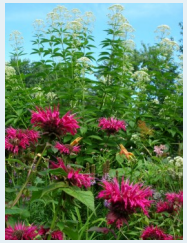
A Residential Guide for Constructing Your Own Raingarden



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

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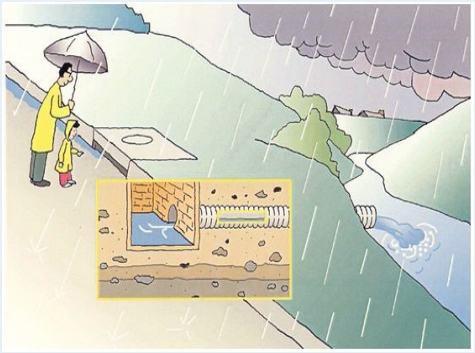
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Lower Allen Township

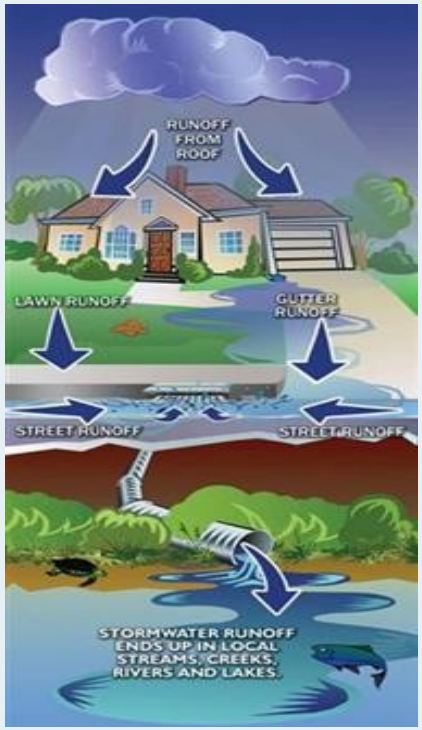
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ATTACHMENT #18

PRP ADVERTISEMENT AND DEP APPROVAL LETTER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEC 19 2018

Thomas Vernau
Lower Allen Township Cumberland County
2233 Gettysburg Road
Camp Hill, PA 17011

Re: Pollutant Reduction Plan (PRP) Review Comments
Lower Allen Township Cumberland County MS4
NPDES Permit No. PAG133711
Authorization ID No. 1205634
Lower Allen Township, Cumberland County

Dear Mr. Vernau:

The Department of Environmental Protection (DEP) issued your coverage under the PAG-13 General Permit (General Permit) effective January 1, 2019. Your PRP(s) was approved upon issuance of General Permit coverage.

DEP has reviewed your PRP(s). Based on this review, DEP offers the following comments and recommendations, which DEP will evaluate during the permit term:

1. Please confirm that drainage areas to existing and proposed BMPs that were parsed are not being used to calculate load reductions.
2. The MS4 is proposing to retrofit existing basins as a proposed BMP. Please be advised that if the existing basin was constructed under a Chapter 102 permit and is currently providing treatment, even if it was not included as an existing BMP, the retrofitted basin can only take credit for the excess reduction beyond what the basin is already treating. If it is justified that the existing basin is not providing current treatment or was not constructed under a Chapter 102 permit, then the retrofitted basin can take full credit for its reduction.

During the permit term, DEP will evaluate your progress in implementing the PRP. If progress is not satisfactory, DEP may require you to obtain coverage under an individual permit.

You are reminded that the General Permit requires that you implement the load reduction requirements established in Appendices D and E of the General Permit within five years, and also requires that you submit a report demonstrating that you have met these requirements as an attachment to the first Annual MS4 Status Report that is due following completion of the 5th year of General Permit coverage.

If you have any questions, please contact me at 717.705.4918 or jrakowsky@pa.gov.

Sincerely,

Jacob S. Rakowsky, EIT
Environmental Engineering Specialist
Clean Water Program

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTH CENTRAL REGIONAL OFFICE
CLEAN WATER PROGRAM

NPDES GENERAL PERMIT CHECKLIST

Application Type	Renewal	Application No.	PAG133711
Facility Type	MS4	APS ID	793269
GP Type	PAG-13	Authorization ID	1205634

Applicant and Facility Information

Applicant Name	Lower Allen Township Cumberland County	Facility Name	Lower Allen Township Cumberland County MS4
Applicant Address	2233 Gettysburg Road	Facility Address	2233 Gettysburg Road
	Camp Hill, PA 17011		Camp Hill, PA 17011
Municipality	Lower Allen Township	County	Cumberland
Receiving Water(s)	Yellow Breeches Creek and Cedar Run	Ch. 93 Class.	CWF and MF
Date Application Received	September 14, 2017		

Checklist

		Completeness Item	Comments
☒	1.	One original and two copies of complete NOI (3800-PM-BCW0100b).	
☐	2.	One original and two copies of complete Waiver Application (3800-PM-BCW0100e) (optional).	
☒	3.	Complete storm sewer system map (existing permittees) (note – new urbanized areas do not require mapping of entire storm sewer collection system).	
☐	4.	Topographic map or storm sewer system map (new permittees and existing waivers).	
☒	5.	MOU or written agreement for third party MCM implementation (if applicable).	
☒	6.	Stormwater Management Ordinance (municipal applicants seeking renewed coverage only).	
☐	7.	Stormwater Management Ordinance Checklist (3800-PM-BCW0100g) (if applicable).	
☐	8.	SOPs (non-municipal applicants seeking renewed coverage only).	
☒	9.	Chesapeake Bay PRP (Appendix D) and/or Impaired Waters PRP (Appendix E), where required.	
☒	9a.	PRP public participation requirements – the PRP contains a copy of the public notice advertising the PRP, a copy of all written comments received from the public to the PRP, and a copy of the permittee's record of consideration of all timely comment received in the public comment period.	

Approve	Deny	Signature	Date
✓		Jacob S. Rakowsky, EIT / Environmental Engineering Specialist	12/13/18
X		Scott M. Arwood, PE / Environmental Engineer Manager	12/13/18

☒	9b.	PRP contains a map that identifies land uses and/or impervious/pervious surfaces and the storm sewershed boundary(ies) (note – this map may be combined with item #3 for existing permittees).
☒	9c.	PRP contains a section that describes the pollutants of concern.
☒	9d.	PRP contains existing load calculations for pollutants of concern.
☒	9e.	PRP selects BMPs to achieve the minimum required reductions in pollutant loading
☒	9f.	PRP identifies funding mechanisms.
☒	9g.	PRP identifies responsible parties for operation and maintenance (O&M) of BMPs.
☐	9h.	For joint PRPs, a written agreement amongst the parties is attached (if applicable).
☐	10.	Complete NOI packages for each co-applicant (joint NOIs only). **NOTE** – Each municipality served by an authority must also submit an NOI. An authority may receive permit coverage only if the municipalities served by the authority are co-permittees.
☒	11.	Evidence that the applicant is eligible for PAG-13 General Permit coverage.

Other Comments:

Per 40 CFR § 122.33, and PA Title 25 § 92a.3, Lower Allen Township is required to seek coverage under a NPDES permit issued by the state of Pennsylvania. Lower Allen Township has submitted an NOI for renewal coverage under the PAG-13 general permit.

Per PA Title 25 § 92a.54, Lower Allen Township is eligible for general permit coverage.

Lower Allen Township discharges to two (2) receiving waters:
Yellow Breeches Creek and Cedar Run

According to the MS4 Requirements Table, Lower Allen Township is subject to the following PAG-13 appendix requirements:
Appendix B
Appendix C
Appendix D
Appendix E

To comply with Appendices D and E, Lower Allen Township has submitted a Pollutant Reduction Plan.
The plan is a combined Chesapeake Bay and Local Impairment Plan.

There are no unresolved violations associated with Lower Allen Township that would affect issuance of coverage.

It is recommended that general permit coverage is granted in accordance with 40 CFR §123.35.

Public Notice

Availability of Chesapeake Bay Pollution Reduction Plan (CBPRP)
For Lower Allen Township

Lower Allen Township's CBPRP is available for public viewing at the Township Office, 2233 Gettysburg Road, Camp Hill, Pa., from 8:00 AM to 4:00 PM weekdays. Comments will be received at the regular public meeting of the Board of Commissioners on Monday, July 10, 2017, at 7:00 PM at the Township Office. Written comments will be received until July 31, 2017. The plan may also be viewed on the Township website: www.latwp.org .

Thomas G. Vernau, Jr.
Township Manager
June 27, 2017

ATTACHMENT #19

NEW EMPLOYEE TRAINING

POLICE TRAINING

FIRE COMPANY TRAINING

MS4 Power Point Presentation

I have reviewed the MS4 Power Point Presentation. I understand it is my responsibility to read and understand the MS4 Training, and address questions on any items I do not understand to the MS4 Coordinator, Rebecca Davis.

Print Name: DAVID A. ICKLER
Signature: David A. Ickler
Date: 10/31/2018

Preventing Stormwater Pollution
What We Can Do

Recognizing and Reporting Illicit Discharges & Spill Clean Up



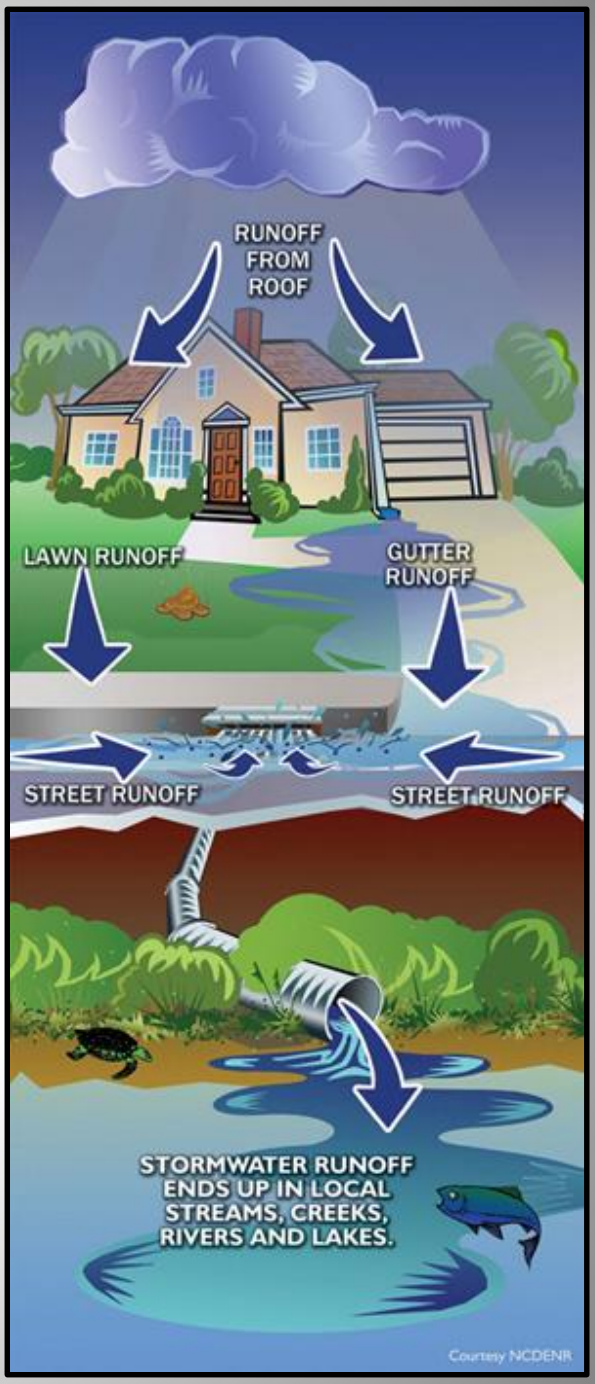
Training Goals

- Understand the terms “stormwater” and “illicit discharge”
- Understand why these terms are important and why you should care
- Understand what you can do to help prevent stormwater pollution
- Understand how to recognize and report illicit discharges (pollution)
- Understand spill clean up procedures



What is Stormwater?

- When it rains, water that does not soak into the ground becomes runoff
- This runoff can enter a storm sewer system which ends up in local streams, creeks, rivers, and lakes



Why is Stormwater Runoff Important?

- Stormwater runoff can pick up debris, chemicals, dirt, and other pollutants
- Stormwater runoff is **NOT** treated before it is discharged into local streams, creeks, rivers, and lakes



What is an Illicit Discharge?

- Any discharge to the storm sewer system that is not composed entirely of stormwater
- Exceptions include (Chapter 184-37.C)
  - De-Chlorinated waterline and fire hydrant flushing
  - Irrigation Drainage
  - Air-conditioning condensate
  - Springs
  - Water from crawl space or basement sump pumps
  - Lawn watering
  - Foundation and footing drains
  - Pavement wash waters where spills or leaks of toxic materials have not occurred
  - Uncontaminated groundwater
  - Water from crawl space pumps
  - Flows from wetlands and riparian habitats
  - Dechlorinated swimming pool discharges
  - Street wash water
  - Discharges or flows from fire fighting activities

Why are Illicit Discharges Important?

- Illicit discharges often include pathogens, nutrients, toxic pollutants, etc.
- Illicit discharges = pollution
- Anything that enters a storm sewer system flows untreated to a local waterway





Why Should You Care?

- We use local waterways for swimming, fishing, boating, and as a source of drinking water
- Lower Allen Township is required to prevent pollutants from entering the storm sewer system







What Can You Do?

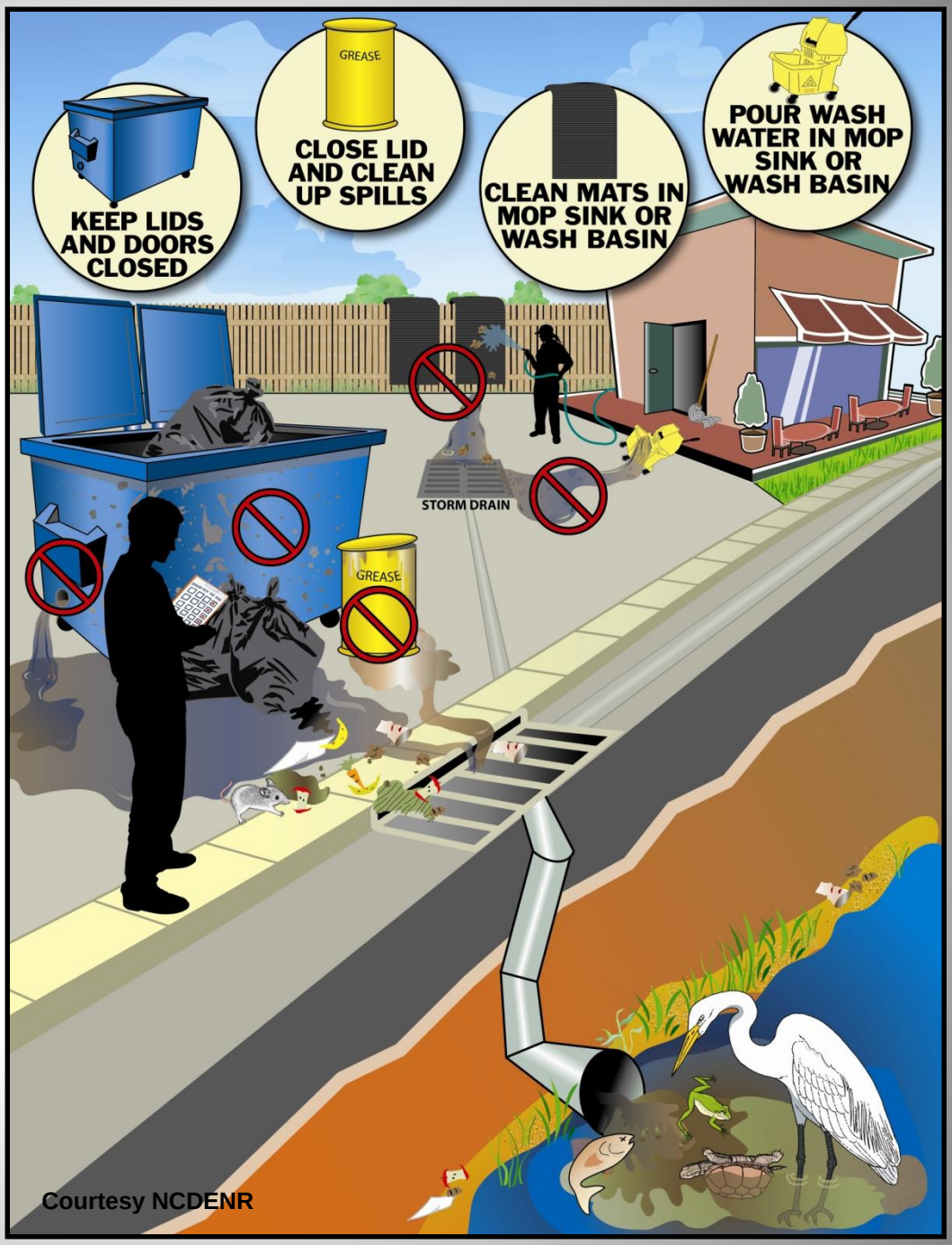
- Employees can help prevent stormwater pollution by:
  - Preventing pollutants from being dumped or spilled into the storm sewer system (this includes driveways, sidewalks, streets, storm drains)



  - Reporting pollution or questionable discharges to the storm sewer system or local waterways to the MS4 Coordinator

Preventing Pollution

- Store and handle materials safely
- Clean up spills properly
- Never dump or wash out items down or near a storm drain



SPILL RESPONSE KIT USAGE PROCEDURE

FOR ALL LAND BASED SPILLS

WHEN A LIQUID SPILL OCCURS:

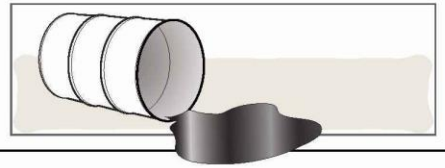
- **If there is a fire or medical attention is needed, contact your supervisor or call public safety at 911. Warn all people nearby and evacuate area as necessary.**
- **Evaluate the toxicity, flammability and other hazardous properties of the liquid from a safe distance. If spill is flammable or volatile, IMMEDIATELY warn everyone, control all potential ignition sources and ventilate the area.**
- **Stop the spill at the source *(repair leaks, turn off source, plug or patch source).***
- **Follow procedures below to contain and clean up the spilled liquid. Use the proper level of Personal Protection Equipment (PPE) based on the characteristic of the liquid that has been spilled.**

Only properly trained and certified individuals should attempt the cleanup of hazardous, volatile, toxic or unknown liquids.

STEP 1

Identify spilled liquid and verify compatibility of spill clean up material with the liquid.

WYK Universal Spill Kits are safe to use on all liquids except (HF). Do not use if liquid is or contains (HF) hydrofluoric acid.

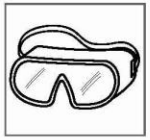


STEP 2

Open spill kit and put on appropriate Personal Protective Equipment (PPE) before proceeding.

At a minimum you must use chemical resistant gloves and goggles.



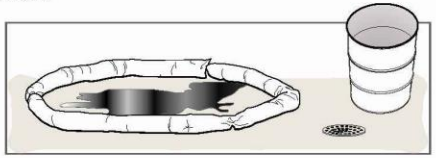




STEP 3

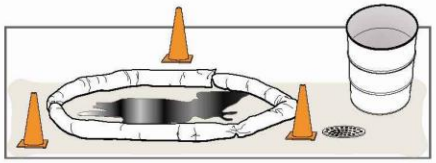
Immediately place socks around the spill to contain the liquid from spreading.

Liquids must be prevented from entering floor drains or sewers.



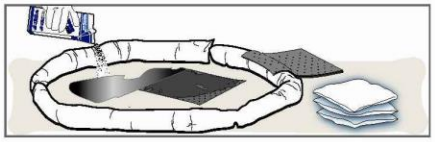
STEP 4

Cordon off spill area to prevent guest or other employees from slipping on the liquids.



STEP 5

Cover the spill with sorbent pads, pillows and/or ***Super Sorbent*** particulate to reduce vapors and soak up the liquid.



STEP 6

Remove saturated sorbent media and place in temporary disposal bags and label.

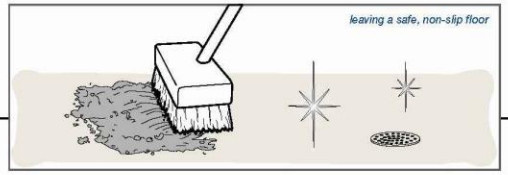
If liquid remains, place new pads or pillows on the spill to soak up any remaining liquids. Place all pads, pillows and containment socks into temporary disposal bags provided.



STEP 7

Re-cover spill area with ***Safety Sorbent*** and work in with stiff broom.

Sweep up ***Safety Sorbent*** and place in temporary disposal bags. Repeat this procedure if floor surface is wet or damp. Floor should be completely dry when clean up is finished. Remove PPE and place in disposal bags



Immediately replace used spill kit with a new one or refill used container for future emergency use.

Used materials and saturated sorbents must be disposed of in accordance with local, state and Federal regulations.

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SPILLRESPONSECLEAN-UPCONTAINMENT

When to call 911

- If a spill is too large to be contained or cleaned up or there are hazardous materials, do not attempt to clean the spill yourself.
- Call 911 to report the spill to our local police, fire company or hazardous materials personnel.
- Those groups are trained in handling hazardous materials properly and will clean up the spill and document it.

Reporting Pollution

- If you see questionable discharges entering the storm sewer system or someone dumping something down the storm drain, report it to the MS4 Coordinator





Examples of What to Report

Pollution Entering the Storm Sewer System



Dirty water in the street



Wash out of solids/liquids



Unusually colored discharges

Tetra Tech



Liquids dumped down a storm drain



Leaks



Solids blown or swept in the street or down a storm drain

Reporting Pollution

- If you see warning signs of pollution coming out of a pipe or in a local waterway, report it
- Warning signs may include the presence of unusual:
  - Color
  - Odor
  - Turbidity
  - Floatable liquids and solids
  - Etc.





Examples of What to Report

Unusual Water Color



Pea-green/
bright green

Milky gray-black



Milky white





Tan to light
brown

Dark red, purple, blue, black



Examples of What to Report

Unusual Odor

- Some odors are an immediate indicator of pollution
- Sewage, gasoline, and chemical odors should be reported

Odor	Causes
Rotten eggs/hydrogen sulfide	Raw sewage, decomposing organic matter, lack of oxygen
Sharp, pungent odor	Chemicals or pesticides
Gasoline, petroleum	Industrial discharge, illegal dumping of wastes, waste water

Examples of What to Report

Highly Turbid Water



Construction site discharge

Discharge of rinse from floor sanding





Unknown brown turbid discharge

Sewage discharge



Examples of What to Report

Floatables in the Water



Leaves and grass clippings

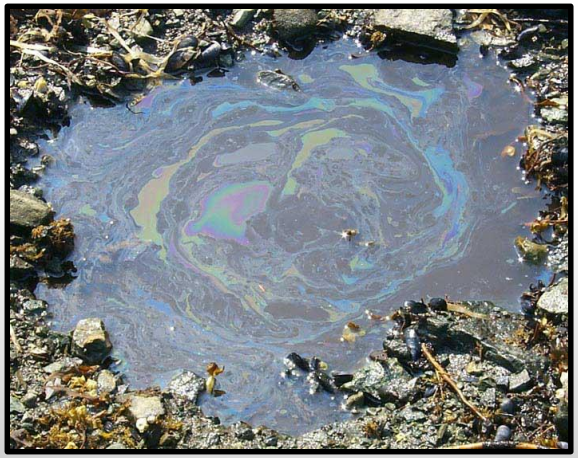
Trash and debris



Sewage fungus



Oil sheen



Suds



How to Report

- Inform the MS4 Coordinator
- If you are able, please include the following information:
  - Specific location
  - Date and time
  - Description of the pollution
  - Description of the violator, e.g. license plate #, personal description (if applicable)

  - Take a picture if you can

Lower Allen Township

MS4 Stormwater Program

Illicit Discharge Reporting Form

Date:_____

Name:_____

Email:_____

Phone:_____

What type of incident do you wish to report? (Circle all that apply)

Dumping down a storm drain
Suspicious Discharge from a pipe into a stream
Unusual Color of Water in a Stream
Strange Smells in Stream
Suspicious Suds or other Substances Floating on Water
Death of Aquatic Creatures

Where did the incident take place?
Address (if applicable):_____
Name of Street:_____
Name of Closest Cross Street:_____
Name of Body of Water Impacted:_____

Date of Incident:_____
Time of Incident:_____

Send this form along with any additional information and photographs to:

Lower Allen Township
MS4 Coordinator, Rebecca Davis
2323 Gettysburg Road
Camp Hill, PA 17011
PH: 717-975-7575 Ext. 1010
rdavis@latwp.org

LOWER ALLEN TOWNSHIP NPDES MS4 TRAINING – JANUARY 23, 2019
MS4 AND FIRE FIGHTING ACTIVITIES
ATTENDANCE SHEET

January 23, 2019 **7:00 PM**

NAME (PRINT)	SIGNATURE	DEPARTMENT
Brian Landis		Lisburn Fire Co.
FRANK WILLIAMSON		LISBURN FIRE CO
Brian Pitkash		Lisburn Fire
Greg Black		Lisburn Fire Co
Frank Wirth Jr.		Lower Allen Twp. DPS
mike TAMOSAITIS		Lower Allen Fire
Timothy Sheely		Lower Allen Fire
Eric Tamosaitis		Lower Allen Fire
Stephen Overmiller		" "
Gary Frazer		Lower Allen Fire Co.
Bryce Landis		LADPS
CURIS TRACE		LOWER ALLEN FIRE CO.
Greg Weaver		Lower Allen Fire Co.
Noah Weaver		Lower Allen Fire Co.
Sydney Overmiller		Lower Allen Fire
Dave Murdoch		Lower Allen Fire

MS4 Power Point Presentation

I have reviewed the MS4 Power Point Presentation. I understand it is my responsibility to read and understand the MS4 Training, and address questions on any items I do not understand to the MS4 Coordinator, Rebecca Davis.

Print Name: Matthew Reynolds
Signature: Matthew Reynolds
Date: 10/25/18



MS4 (MUNICIPAL SEPARATE STORMSEWER SYSTEM) GOOD HOUSEKEEPING ANNUAL EMPLOYEE TRAINING

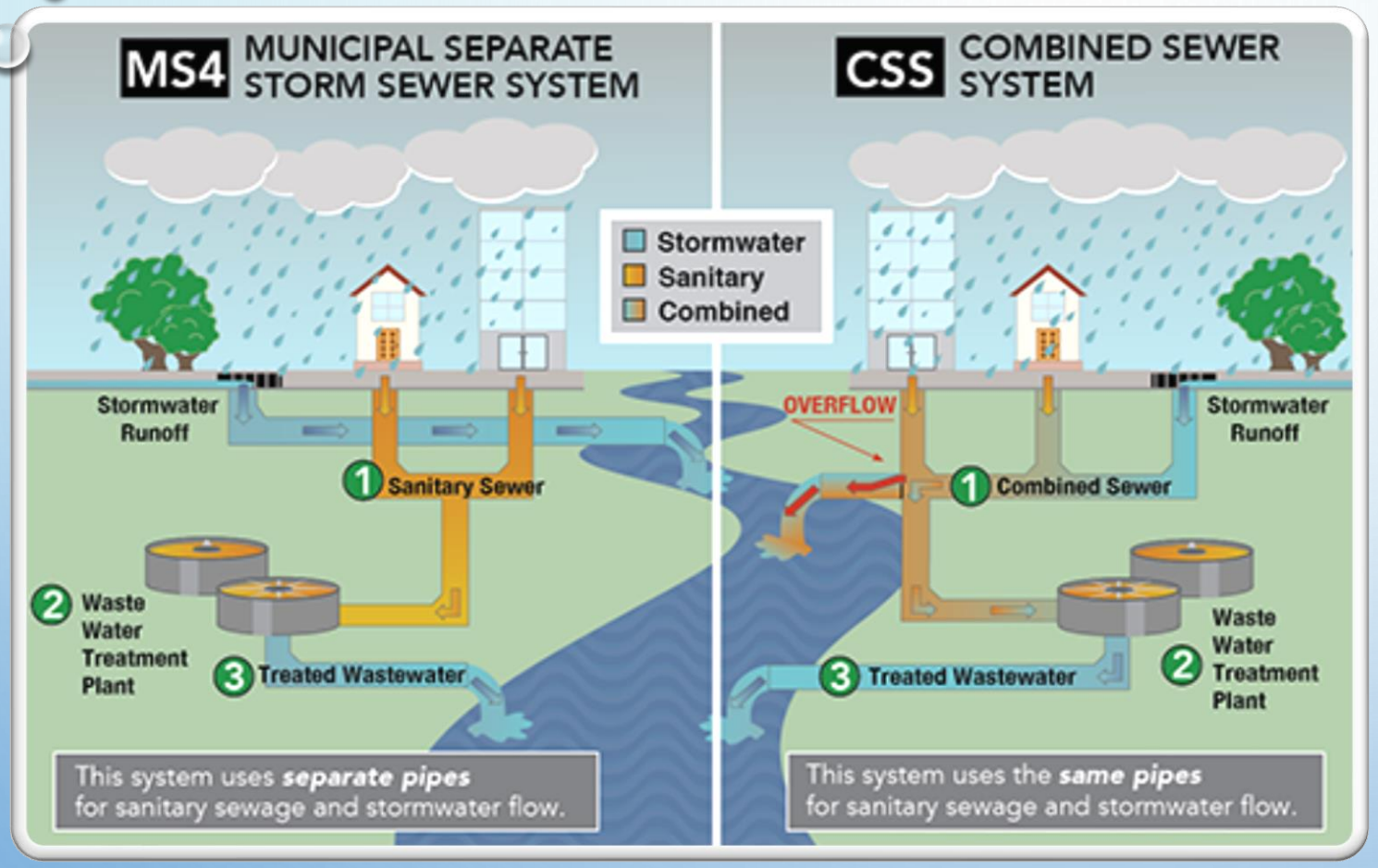
APRIL 17, 2019

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
- STORMSEWER
- 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

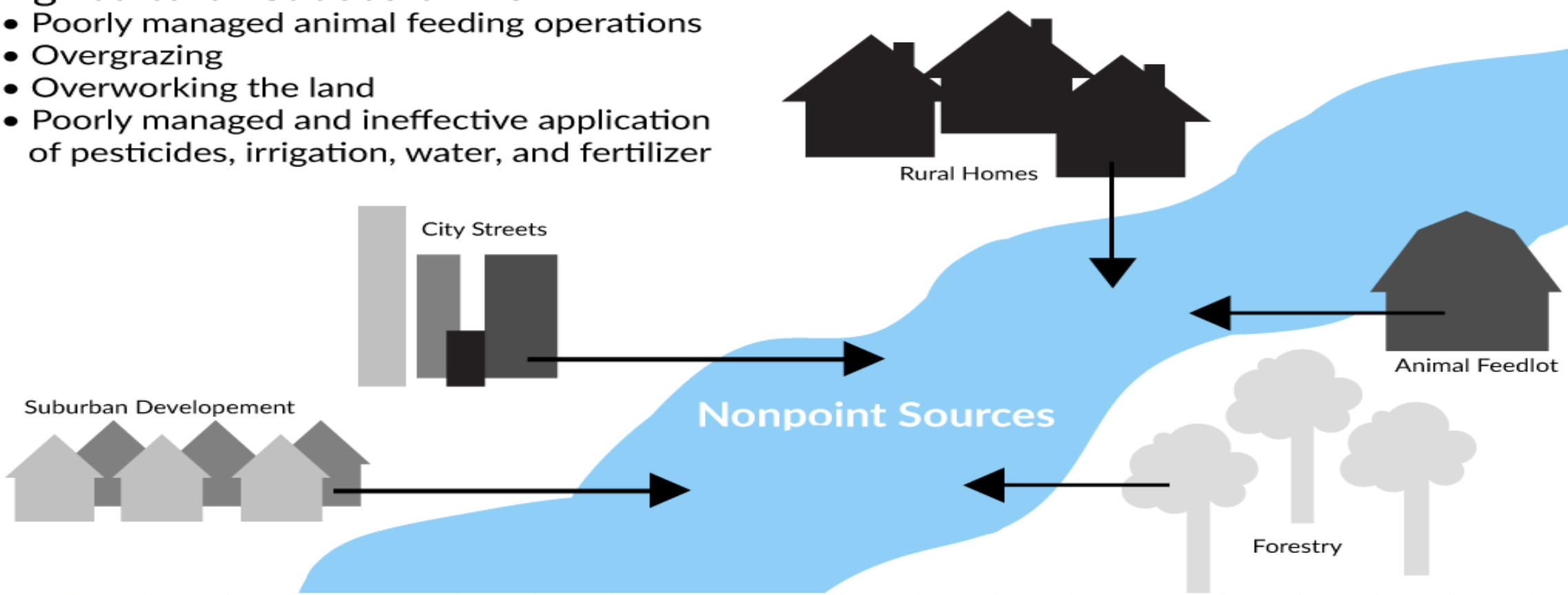
- NPDES REQUIRED AUTHORIZATION TO DISCHARGE POLLUTANTS FROM A POINT SOURCE INTO THE WATER OF THE UNITED STATES. THE SMALL MUNICIPAL NPDES PERMIT IS CALLED A PAG-13. THIS IS THE FEDERAL REGULATION
- PADEP CREATED THE STATE PERMITTING PROGRAM TO MEET THE FEDERAL REGULATION.

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)

PUBLIC EDUCATION AND OUTREACH

PUBLIC INVOLVEMENT AND PARTICIPATION

ILLICIT DISCHARGE DETECTION AND ELIMINATION

CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

POST CONSTRUCTION STORMWATER MANAGEMENT

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 DISCHARGE'S 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

PA.GOV
Tom Wolf, Governor

MS4 Requirements

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Patrick McDonnell, Secretary

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.

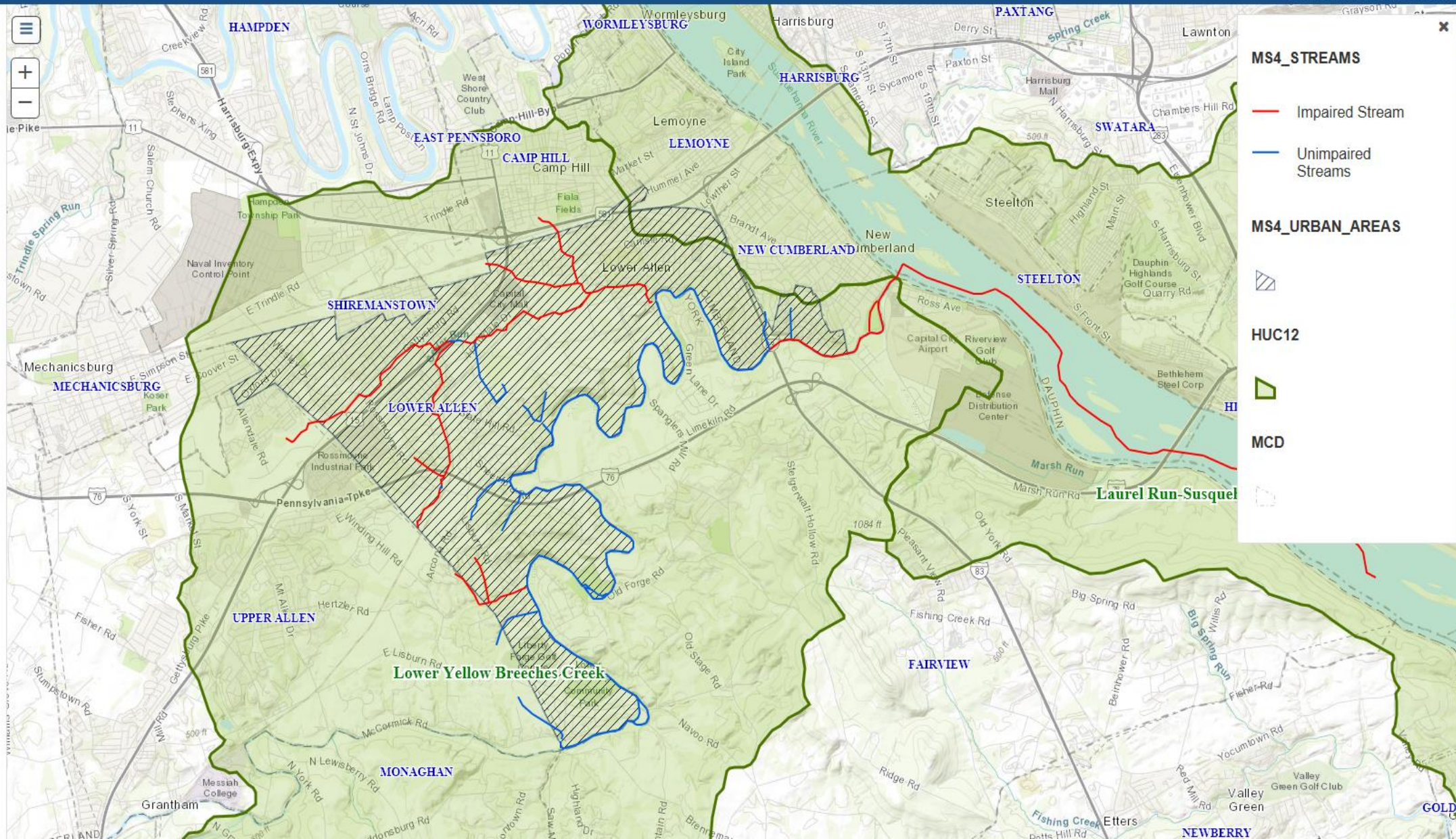
Select a County

CUMBERLAND

Select a Municipality

LOWER ALLEN TWP

Click to View Features



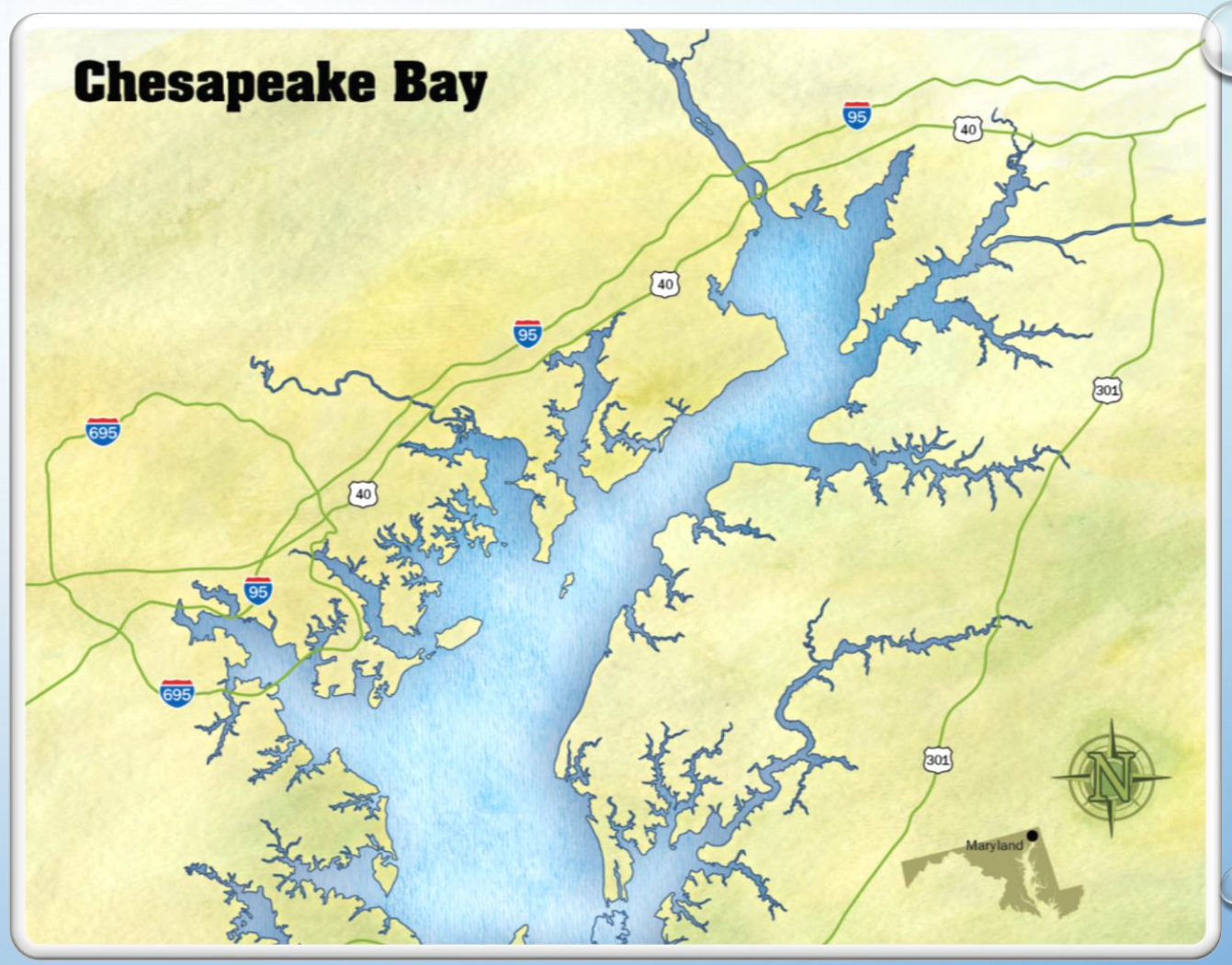
CHESAPEAKE BAY POLLUTION REDUCTION PROGRAM

- 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





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.



Surface water can be polluted through groundwater.



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.



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

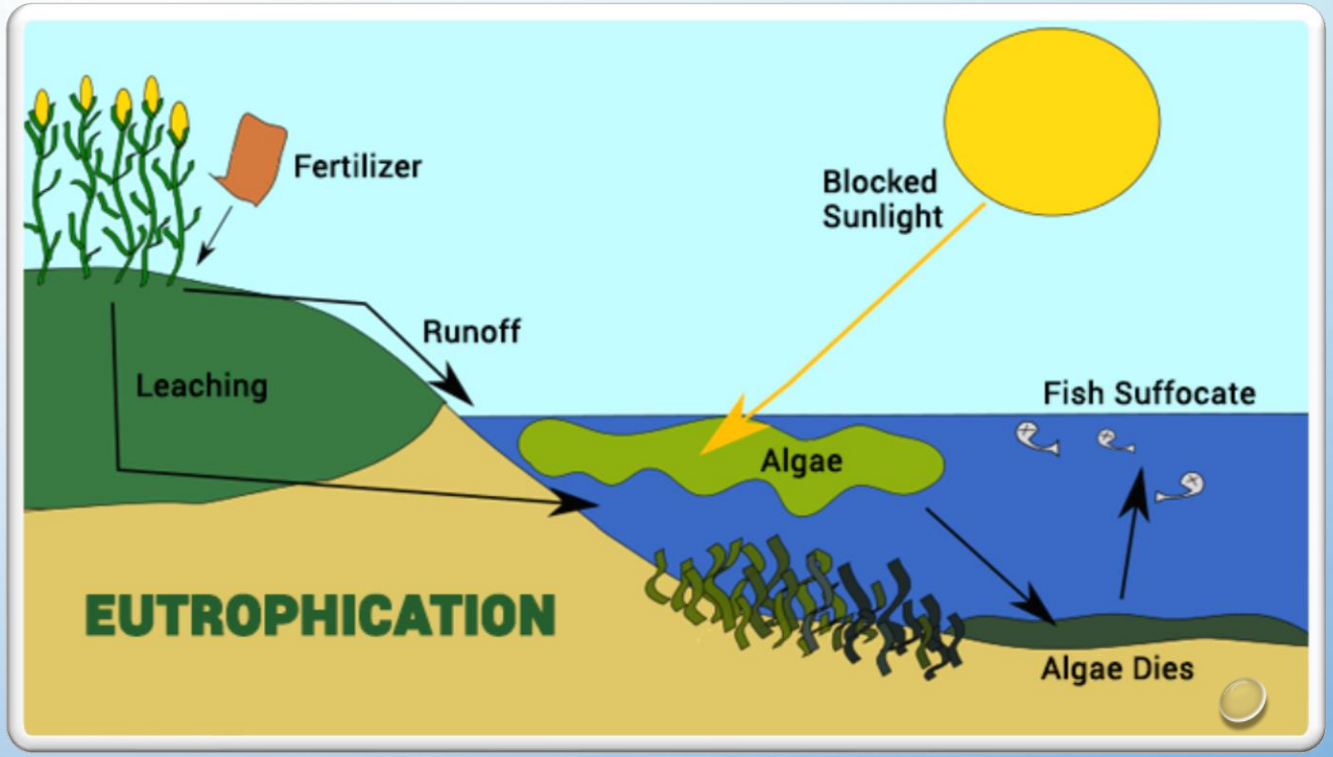




SEDIMENT POLLUTION (CONT.)

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 INSPECTS, WEEDS, RODENTS AND MOLDS. WHEN USED EXCESSIVELY OR IMPROPERLY, THEY CAN END UP IN STREAMS AND HARM AQUATIC LIFE





ALGAL BLOOM

TRASH, DEBRIS, & LITTER



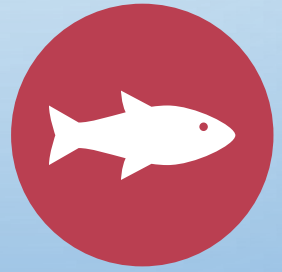
Street litter ends up in our waterways



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

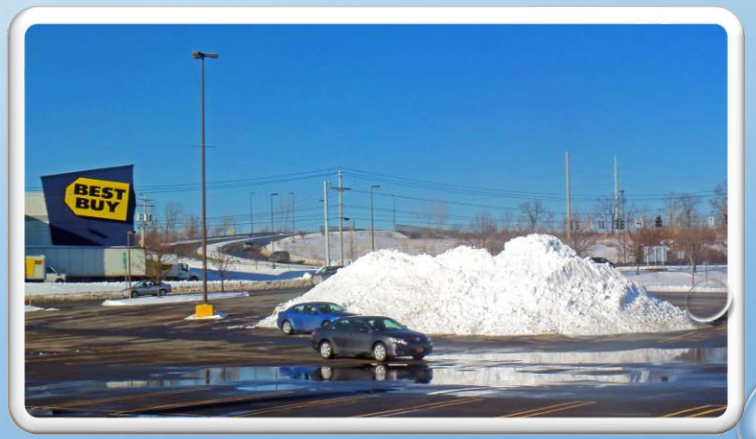
EXAMPLES OF CHEMICAL POLLUTANTS ARE:

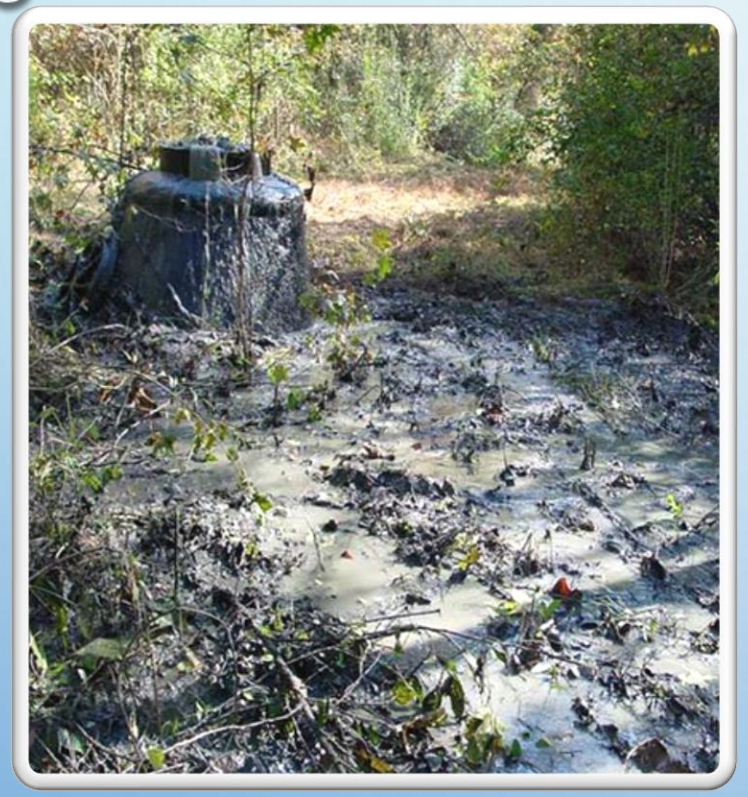
- SOLVENTS
- ANTI FREEZE
- HYDRAULIC FLUID
- LUBRICANTS
- PAINTS & COATING
- DETERGENTS

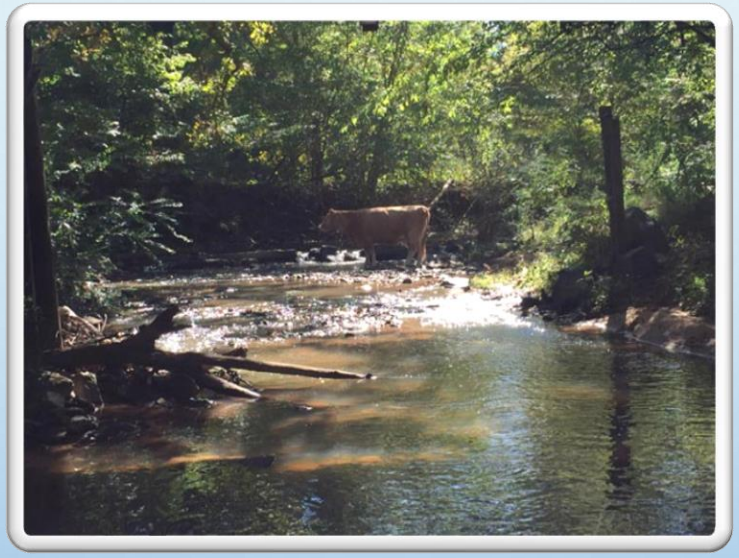
CHLORIDES

- 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



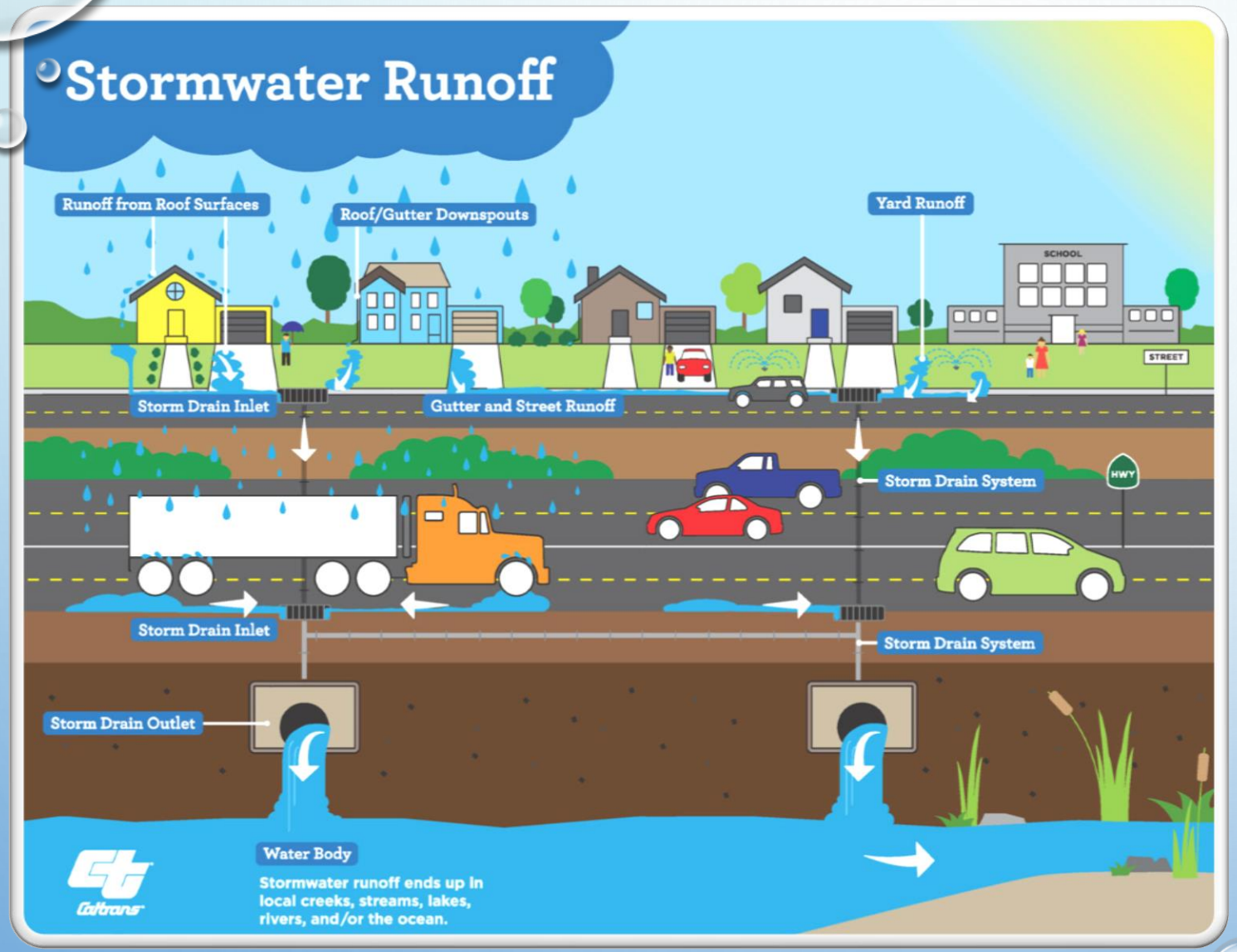






BACTERIA

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

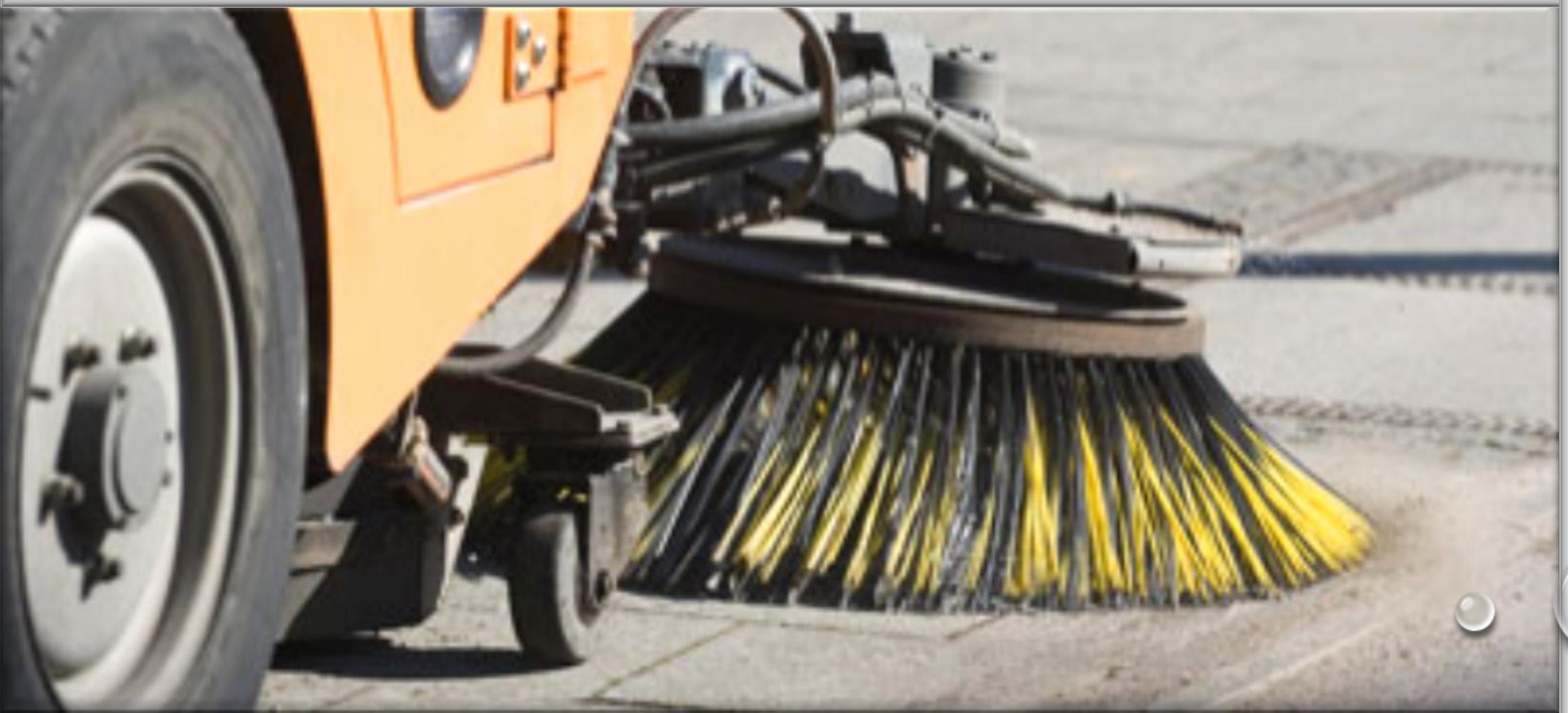


WHERE ARE POLLUTANTS GOING IF NOT CONTROLLED AT THE SOURCE?

- 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
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









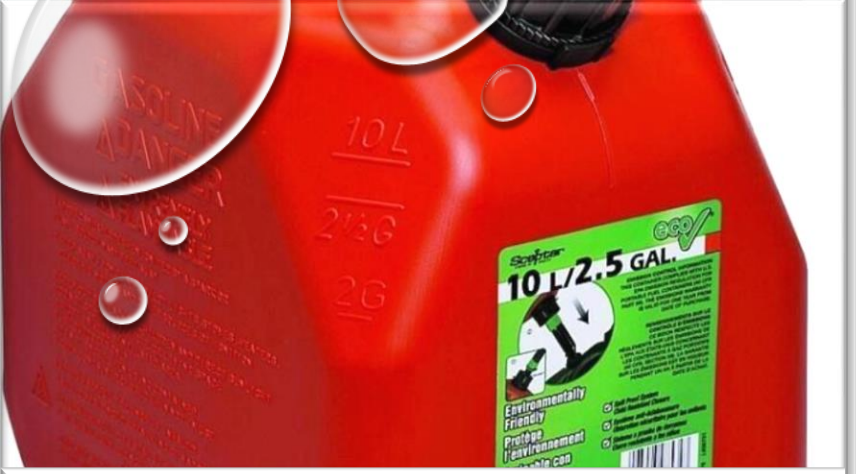
PUBLIC WORKS GOOD HOUSEKEEPING BMPS

- 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 CLEAN UP 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







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

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

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

pig 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.



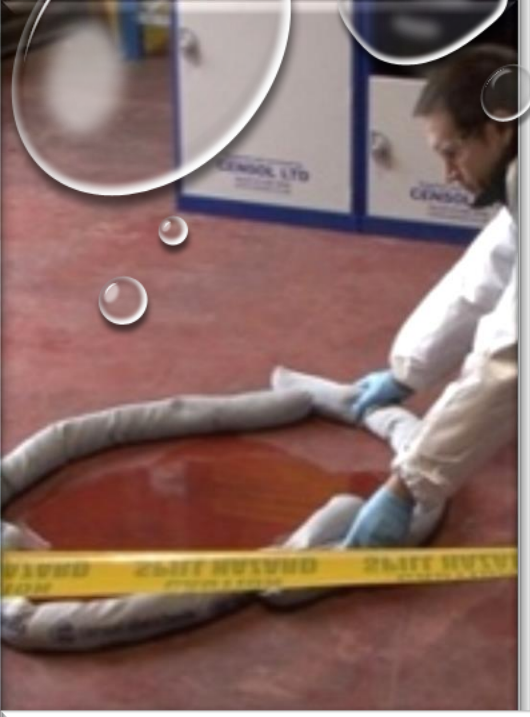
CLEAN UP

- 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

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 A AUTHORIZED RELEASE UNDER OUR NEW PAG-13 PERMIT**





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 IT 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 INSURANCES 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. DANIEL FLINT – 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 INPSECTED AND MAINTAINED THROUGH A PREVENTATIVE MAINTENANCE PROGRAM RUN BY THE TOWNHSIP'S FELLT 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 BUILIDNG 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 MANNAR 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 THOUGH 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 BUILIDNG 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

TOWNSHIP MS4 COORDINATOR

Lower Allen Township

MS4 and Fire Fighting Activities

January 2019

OBJECTIVES

- Overview of Stormwater & Lower Allen Township's MS4 Program
- Understanding of what municipalities are required to do for their Stormwater Management Program
- Your role and responsibility in helping Lower Allen Township fulfill their stormwater permit requirements

What is Stormwater?



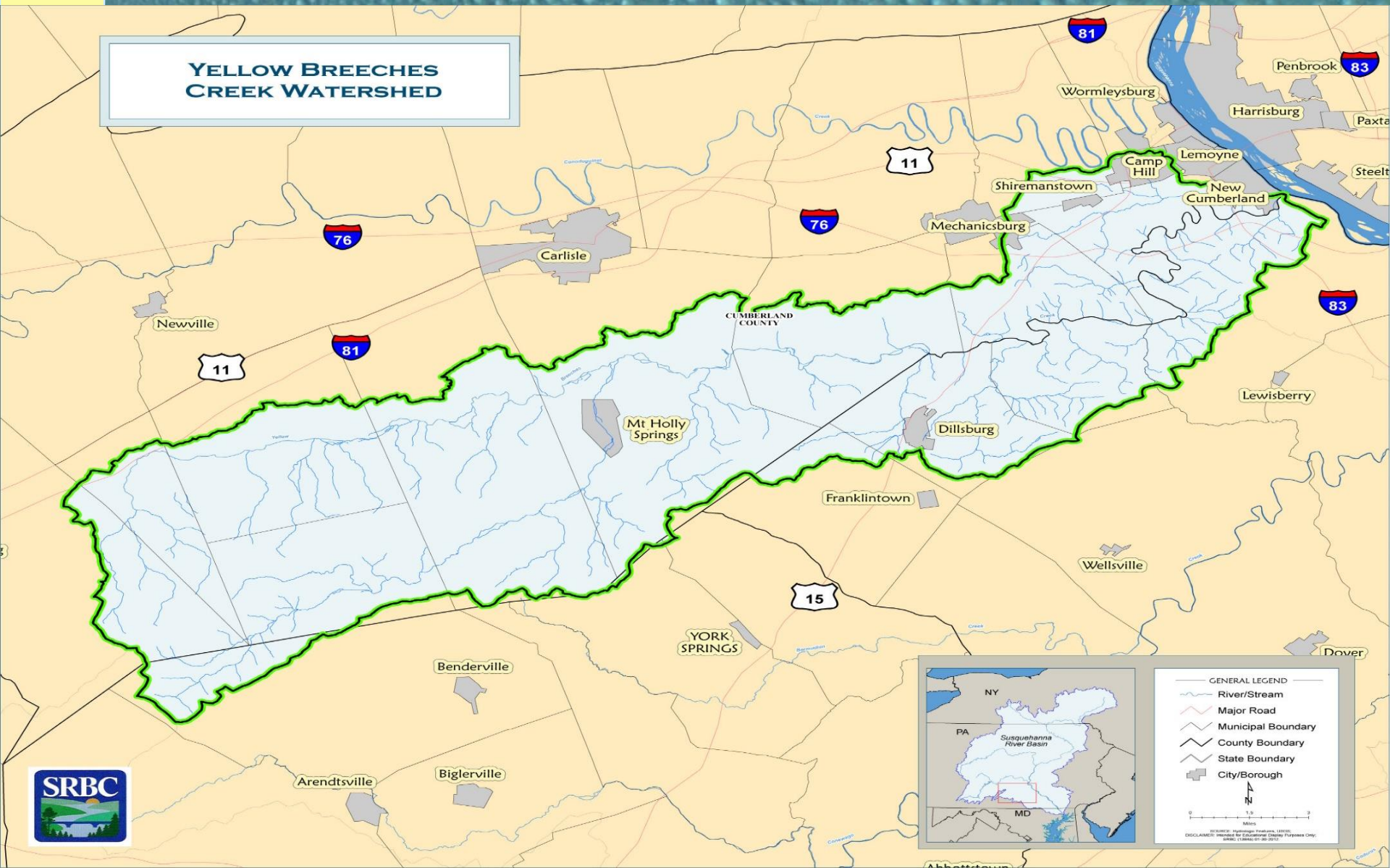
Stormwater occurs when precipitation from rain or snowmelt flows over the ground

Why & When can Stormwater become a problem?



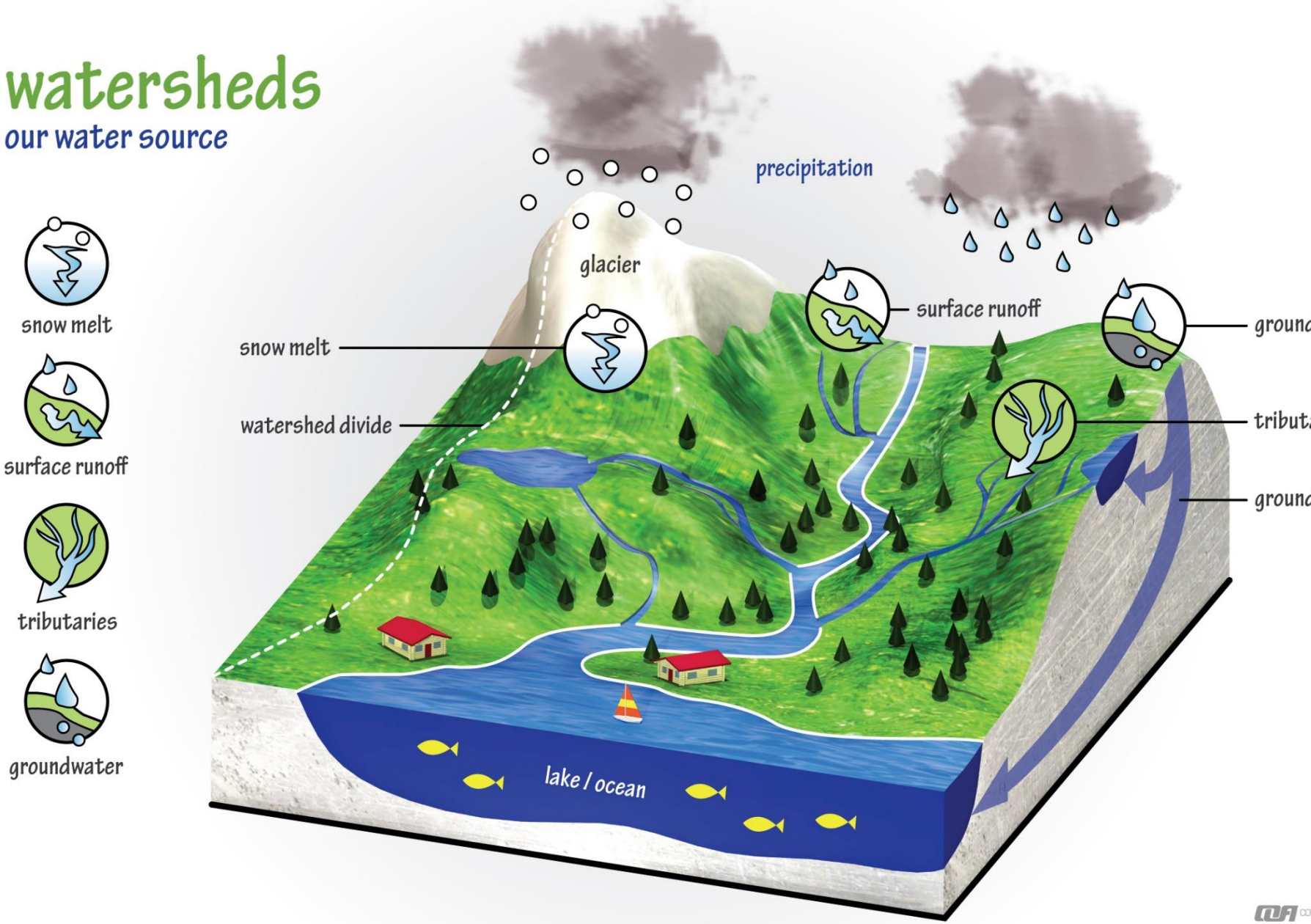
- Erosion & Sedimentation
- Flooding
- Pollutants carried to waterways
- Harmful to habitats of aquatic wildlife (Cedar Run & Yellow Breeches – impaired waterways)
- Can make water resources unsafe for recreation and drinking

Yellow Breeches Watershed



watersheds

our water source



Has anyone seen one of these before?





Storm drains, storm sewers, streets, canals, and catch basins carry excess rain and ground water from paved streets, parking lots, sidewalks and roofs.









The neighborhood that you live in most likely uses storm drains to carry stormwater to creeks, streams, and rivers.

So…….where does the storm sewers take the stormwater??





Storm sewers carry stormwater to detention ponds or directly to creeks, streams and rivers and eventually all of the water will end up in our oceans.



MS4 Program

- What does MS4 stand for?
  - Municipal
  - Separate
  - Storm
  - Sewer
  - System

What is MS4?

- MS4 is a conveyance or a system of conveyances that is:
  - Designed or used to collect or convey stormwater (can consist of curbs, gutters, storm pipes, dicthes, swales, streets, etc.)
  - Owned by a state, city, town, village, or other public entity that discharges to waters of the commonwealth



Background

A PROGRAM UNDER WHICH A MUNICIPALITY IS ISSUED A PERMIT TO DISCHARGE STORMWATER INTO THE CHESAPEAKE BAY

THE INTENT OF THE MS4 PROGRAM IS TO REDUCE POLLUTANTS INTO WATERS OF THE COMMONWEALTH

THE MS4 PROGRAM IS REGULATED BY BOTH THE UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP)

Storm Water Permit Program for Small Communities

- Federal regulation requires permit for our community
  - National Pollutant Discharge Elimination System (NPDES)
- PA DEP created state permitting program to meet federal regulation

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 (MCMs)

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

GENERAL MS4 PERMIT INFORMATION



NPDES MS4 PAG 133711

- **Effective Date: March 16, 2018**
- **Expiration Date: March 15, 2023**
- **First reporting period ended on June 30, 2018**
- **First Annual Report due September 30, 2018 (April 1, 2017- June 30, 2018)**
- **All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30**





Clean Water

Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts



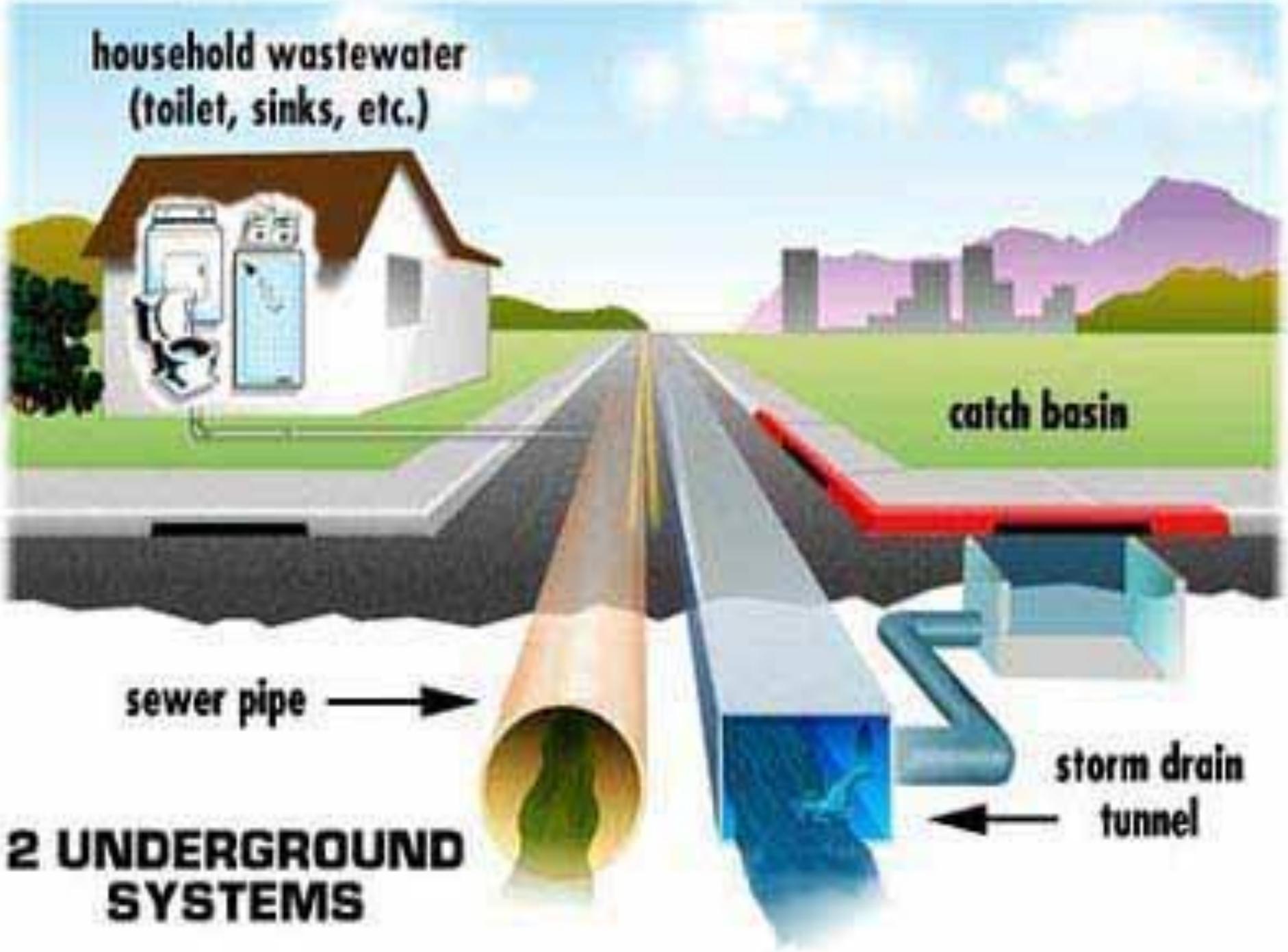



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STOP


household wastewater
(toilet, sinks, etc.)
catch basin
sewer pipe
storm drain
tunnel
2 UNDERGROUND
SYSTEMS

LAT Storm Water Program

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

MCM #1 - Public Education and Outreach

- Distribute educational materials developed by PA DEP
- Develop outreach plan for community
- Educate public on water quality impacts due to stormwater runoff and steps for reduction of pollutants

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

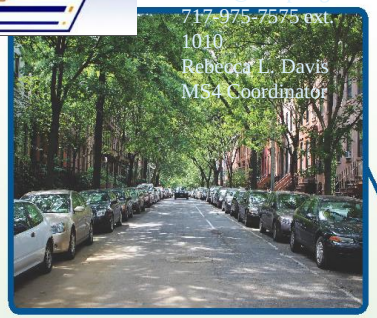


This Soak Up the Rain effort is brought to you by:

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

soak up the rain
created by U.S. EPA



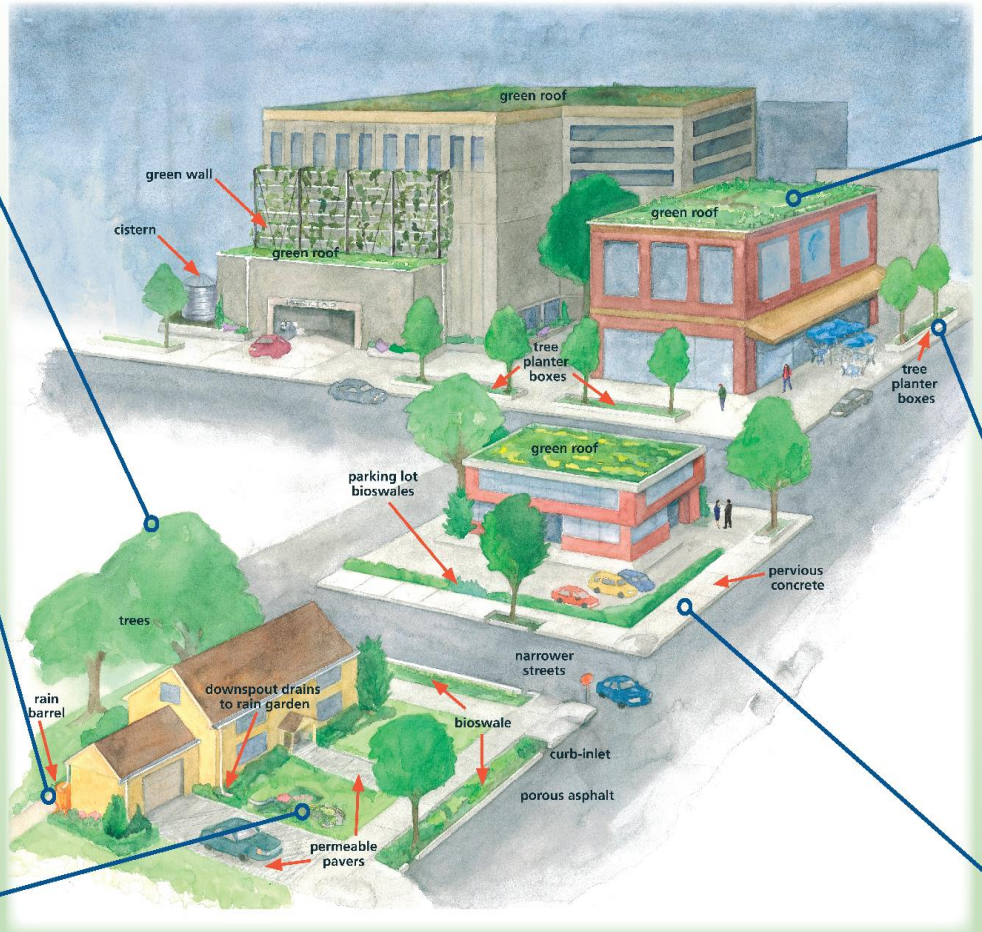
Tree Canopy



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.

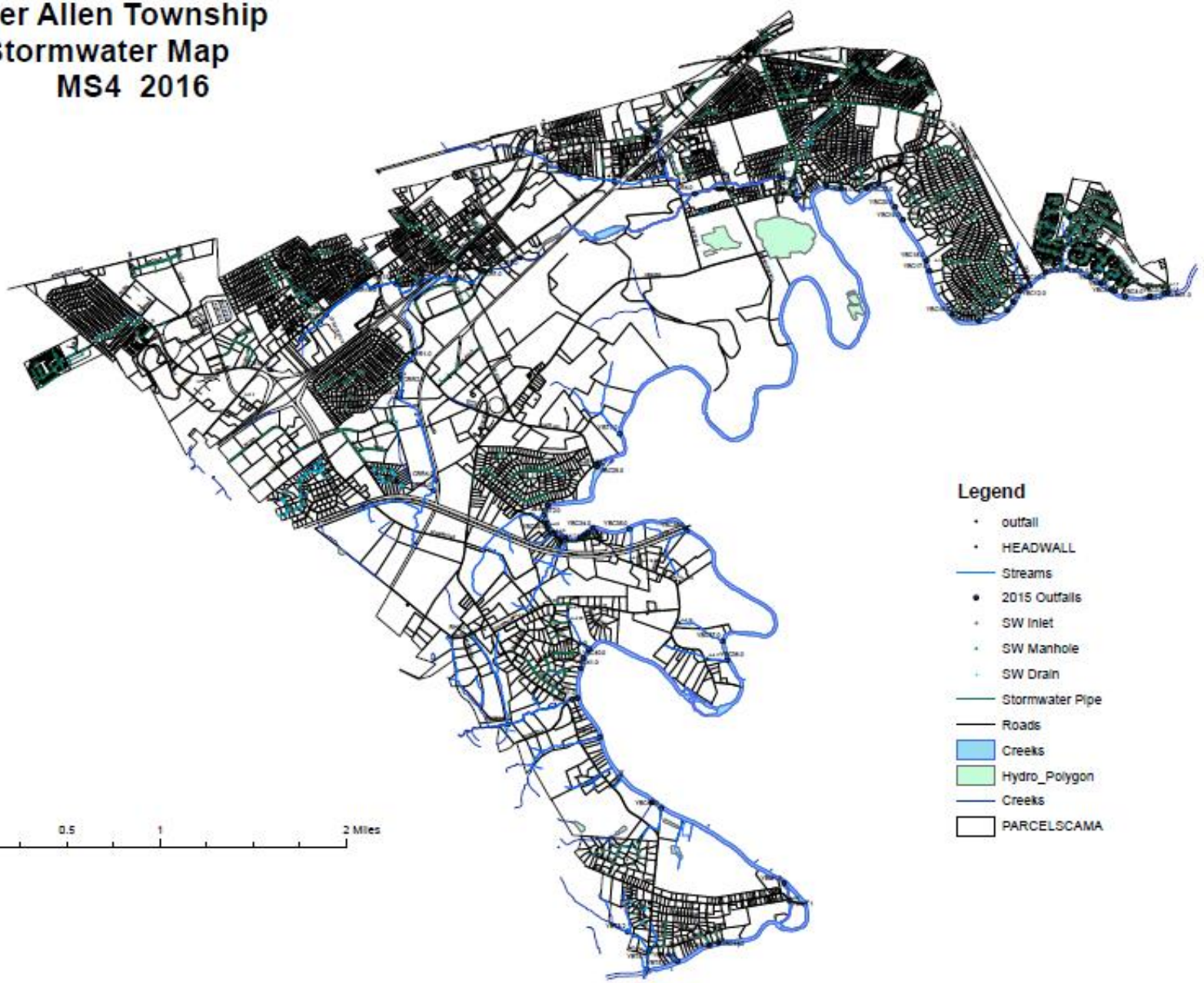
MCM #2 - Public Involvement/Participation

- Provide public notice
- Create a public involvement plan
- Hold a public meeting on the program
- Support volunteer programs
  - Water Quality Monitoring
  - Storm Drain Identification
  - Stream Clean-Ups

MCM #3 - Illicit Discharge Detection and Elimination

- Enact DEP's model ordinance or update our existing ordinance
- Develop and update storm sewer system map
- Implement program to detect non-storm water in system. Create a reporting mechanism for residents
- Educate community on problems related to dumping in storm sewers

Lower Allen Township
Stormwater Map
MS4 2016




FOUNDRY & MFG. CO



Lower Allen Township

MS4 Stormwater Program

Illicit Discharge Reporting Form

Date:_____

Name:_____

Email:_____

Phone:_____

What type of incident do you wish to report? (Circle all that apply)

Dumping down a storm drain
Suspicious Discharge from a pipe into a stream
Unusual Color of Water in a Stream
Strange Smells in Stream
Suspicious Suds or other Substances Floating on Water
Death of Aquatic Creatures

Where did the incident take place?

Address (if applicable):_____
Name of Street:_____
Name of Closest Cross Street:_____
Name of Body of Water Impacted:_____

Date of Incident:_____
Time of Incident:_____

Send this form along with any additional information and photographs to:

Lower Allen Township
MS4 Coordinator, Rebecca Davis

MCM #4 - Construction Site Storm Water Runoff Control

- Enact DEP's model ordinance or update our existing ordinance
- Coordinate with County Conservation District
  - Erosion and Sediment Control Program
  - NPDES Construction Storm Water Permitting
- Educate construction industry – add contractors/builders to Target Audience List



MCM #5 - Post-Construction Storm Water Management

- Adopt PA DEP's model storm water management ordinance
- Ensure proper operation and maintenance of post-construction controls
- Continue Best Management Practice (BMP) monitoring through annual mailing and reporting system

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."

MCM #6 - Pollution Prevention/ Good Housekeeping

- Implement O & M program that focuses on pollution prevention
- Train municipal employees on good housekeeping practices
- Educate community on pollution prevention

Lower Allen Township Facilities Inventory – MCM #6

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

Lower Allen Township MS4 Program Near Term Efforts

- Document information for annual report
- Refine and continue implementation of SWMP
- Additional program documentation
- Evaluate new permit requirements and prepare implementation schedule
- Implement Chesapeake Bay Pollution Reduction Plan (PRP)

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 proposes retrofitting 10 SWM basins to bioretention areas/basins in the township to reduce pollutants to the waters of the commonwealth

Lower Allen Township MS4 Program Longer Term Efforts

- Revise Target audience list as needed
- Step up Public Involvement and Participation and Outreach
- Prepare for program changes in PAG - 13
- Greater emphasis on Water Quality
- PRP Implementation

How your operations impact MS4 requirements?



Items to consider which apply to MS4 requirements:

How do you do the things below?

- **Spill Response/Spill Prevention (both at the station and emergency events)**
- **Proper disposal of spill materials at the station and after an incident**
- **Vehicle Washing areas**
- **Employee Training**
- **Proper reporting of spills – A SPILL OVER 5 GALLONS MUST BE INCLUDED IN THE MS4 ANNUAL REPORT TO PADEP.**

Items to consider which apply to MS4 requirements (cont.):

- The Fire Station is included in the Lower Allen Township Facilities list (MCM #6) – responsible for any discharges to the MS4 system
- Fire fighters may witness violations to the Township's MS4 permit and report them
- Chemicals stored at the Fire Station are part of the facilities list and how they are used in response to accidents must be documented and reported
- Training of employees
- Recordkeeping and Reporting

Emergency Events that Impact MS4

- Fire Hydrant Flushing/Hose Testing
- Transportation Accidents (Vehicle, Train)





Fire Hydrant Flushing

- **Planned Discharges of Chlorinated Water to Surface Waters**
  - Chlorine and Chloramine are commonly added to levels that are necessary to disinfect and prepare water for public consumption or use, BUT they may be toxic to fish and other aquatic wildlife.
  - Discharges may also cause soil erosion and carry sediment to receiving waters.

Should a chlorinated water discharge be directed to the nearest storm drain?

NO. Lower Allen Township's PAG 13 Permit allows for potable water to be discharged to the MS4 system but only if the water does not contain detectable concentrations of Total Residual Chlorine (TRC).

Hydrant Flushing (cont.)

- To remove TRC from potable water, best management practices such as dechlorination are necessary prior to release to the MS4. Another option is through land disposal (e.g. – distribution of the water to vegetated areas for infiltration, assuming a large enough area is available)

- Unplanned releases such as water line breaks, leaks, fire hydrant shearing, and emergency flushing are required to be reported to the Clean Water Program of the Southcentral Regional office of PADEP by phone. This is required by the Clean Water Act.

- PADEP SOUTHCENTRAL CONTACT

  1-866-825-0208

Unplanned Releases

- If you are unable to reach someone by phone at the South-central Regional Office regarding the emergency unplanned release, then you must call the DEP Statewide Emergency Response at 1-800-541-2050

- Discharges that impact aquatic life, including fish kills, must also immediately be reported to the PA Fish and Boat Commission at 1-855-347-4545

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Planned and Unplanned Discharges of Chlorinated Water to Surface Waters

This fact sheet addresses the management of chlorinated water discharges, including water disinfected by chloramines, from drinking water systems to surface waters and storm sewers. Chlorinated water discharges may occur during planned routine operation and maintenance activities such as hydrant flushing, or due to unplanned or accidental releases such as water main breaks.

Water suppliers should be prepared to work quickly to resolve planned and accidental releases of chlorinated and cloraminated water not only to restore water for customers, but also to prevent environmental damage.

How can drinking water cause a problem when discharged to surface water?

Chlorine or chloramine and other chemicals are commonly added at levels that are necessary to disinfect and prepare water for public consumption and use, but that may be toxic to fish and other aquatic life. Discharges may also cause soil erosion, carrying sediment to the receiving water. These pollutants may cause fish kills and may also endanger or compromise the environment, and public health and safety.

Should a chlorinated water discharge be directed to the nearest storm drain?

In general, no. Storm drain systems are considered waters of the commonwealth under Pennsylvania's Clean Streams Law. Pollutants may not be discharged to storm sewers without a permit. National Pollutant Discharge Elimination System (NPDES) permits for municipal separate storm sewer systems (MS4s) allow for discharges of potable water to storm sewers but only if the water does not contain detectable concentrations of Total Residual Chlorine (TRC). To remove TRC from potable water, best management practices (BMPs) such as dechlorination are necessary.

What are some types of <u>planned</u> operation and maintenance activities that result in a discharge?

Hydrant and line flushing and testing, well disinfection, storage tank or reservoir draining for cleaning or maintenance, valve replacement, and hydrostatic testing of pipelines are examples of planned activities that may result in a release of chlorinated water and other pollutants.

What does the Department of Environmental Protection (DEP) expect from water suppliers and other sources for planned chlorinated water discharges?

Water suppliers should notify DEP in advance of the planned activity and take necessary steps to prevent a discharge of chlorinated water directly to waters of the commonwealth including storm sewers, streams, and rivers.

For example, for a planned hydrant flushing, the supplier should notify DEP that a discharge will occur and be prepared to collect and/or dechlorinate the water discharged from the hydrant(s).

In cases where automatic flushing devices are used, DEP should be notified of the device location(s) in advance. These devices should be fitted with dechlorinating devices and checked regularly to ensure proper operation.

What kinds of non-routine activities cause <u>unplanned</u> discharges?

Water line breaks, leaks, tank overflows, fire hydrant shearing and other accidents, and emergency flushing are considered unplanned releases.

Should an unplanned discharge of chlorinated water to surface water be reported to DEP?

Yes, immediate notification is required. If a release of chlorinated water occurs and discharges, or may

SPILL REPORTING

- PADEP requires documentation of spills larger than 5 gallons. A record must be included in the Annual MS4 Report to PADEP
- Pollution Reporting is broken into 2 categories in our PAG-13 Permit
  - Immediate Reporting due to an accident
  - Potential to Endanger the health or environment because of a permit non-compliance

4. Unanticipated Non-Compliance or Potential Pollution Reporting

a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b) listed below:

(i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.

(ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.

(iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.

b. The permittee shall report any non-compliance which may endanger health or the environment in accordance with the requirements of 40 CFR § 122.41(l)(6). These requirements include the following obligations:

(i) 24 Hour Reporting - The permittee shall orally report any non-compliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances.

(ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any non-compliance which may endanger health or the environment. The written submission shall contain a description of the non-compliance and its cause; the period of non-compliance, including exact dates and times, and if the non-compliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the non-compliance.

(iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by DEP, the permittee shall submit a written report in accordance with this paragraph. (25 Pa. Code § 92a.3(c) and 40 CFR § 122.41(l)(6)(iii))

Items to include on spill report for MS4 purposes

- Specific location of event
- Date, time, and weather conditions
- Description of the pollution (what is it and how much)
- What were you using to clean up the spill, leak, accident
- Pictures
- Description of violator (company, license plate number – if applicable)
- PA DEP Emergency Phone Number for Hazardous Spills for SOUTHCENTRAL REGION is – 1-866-825-0208
- Notify PADEP no later than 4 hours after the event if potential for down stream contamination

When to notify PADEP of a spill

- 3 major laws require DEP to be notified about a spill or release of material to the environment:
  - The Pennsylvania Clean Streams Law
  - The Solid Waste Act
  - The Pennsylvania Storage Tank Act

The PA Clean Streams Law

- Requires the responsible party or property owner to immediately notify DEP when any amount of pollutant is discharged into either surface or groundwater. There is no spill quantity too low that would exclude it from this mandatory notification. This also covers the illegal and/or improper disposal of any material into waters of the Commonwealth.

The Solid Waste Act

- Requires that the generator of transport immediately notify DEP when there is a spill of a hazardous waste which is affecting surface or groundwater. If the release did not impact water, DEP must be notified of any spill above the reportable quantity (RQ). When in doubt, it is a safe assumption that all hazardous waste spills greater than five gallons must be reported.

The Pennsylvania Storage Tank Act

- Requires releases from any underground and/or above ground storage tank be reported by the owner/operator to the DEP.

DEP Regulations (cont.)

- DEP requires that the person responsible for the discharge report the incident to the Department. This doesn't always occur!
- In the case of contaminated run off from fire fighting activities, DEP states that the fire company is technically responsible for the runoff and should make notification to the Department.

MS4 during Emergencies

- Any release to the Township's MS4 is a violation of Lower Allen Township's MS4 Permit!
- Ultimate cleanup responsibility lays with the responsible party (i.e. – the person who caused the spill)
- IF the Responsible Party does not mitigate the release, the municipality is responsible for maintaining compliance with the MS4 Permit and must clean up the spill and of course DOCUMENT!
- Lower Allen Township may use our stormwater management ordinance to enforce cleanup and recover costs if necessary

Stormwater Ordinance

- Lower Allen Township's Stormwater Ordinance allows us to enforce our MS4 program

Chapter 184-46. Violations and penalties; enforcement remedies:

"A. Anyone violating the provisions of this chapter shall be guilty of a summary offense and, upon conviction, shall be subject to a fine of not more than $500 for each violation, plus court costs and attorney fees. Each day that the violation continues shall be a separate offense. "

MS4 After the Emergency

Lower Allen Township will have to seek cost recovery for the cleanup against the responsible party

Documentation during the incident will allow for an easier and more accurate cost recovery

If you do not document and report to incident to the MS4 Coordinator, it didn't happen!



Who Performs Cleanup Work?

- Pennsylvania does not have certified cleanup companies
- Cleanup can be performed by:
  - Tow Company
  - Fire Company
  - Police
  - Public Works
  - Cleanup Contractor
  - RESPONSIBLE PARTY!!

Recordkeeping and Information Sharing

- If it's not in writing, it didn't happen!
- Proof of compliance with our MS4 permit
- Sharing of information provides consistency for our municipal MS4 program





Comments Or Questions?

For More Information. . .

Rebecca Davis

- rdavis@latwp.org

717-975-7575 Ext 1010

Township MS4 Coordinator

Lower Allen Township

MS4 and Public Safety

October 2018

OBJECTIVES

- Overview of Stormwater & Lower Allen Township's MS4 Program
- Understanding of what municipalities are required to do for their Stormwater Management Program
- Your role and responsibility in helping Lower Allen Township fulfill their stormwater permit requirements

What is Stormwater?



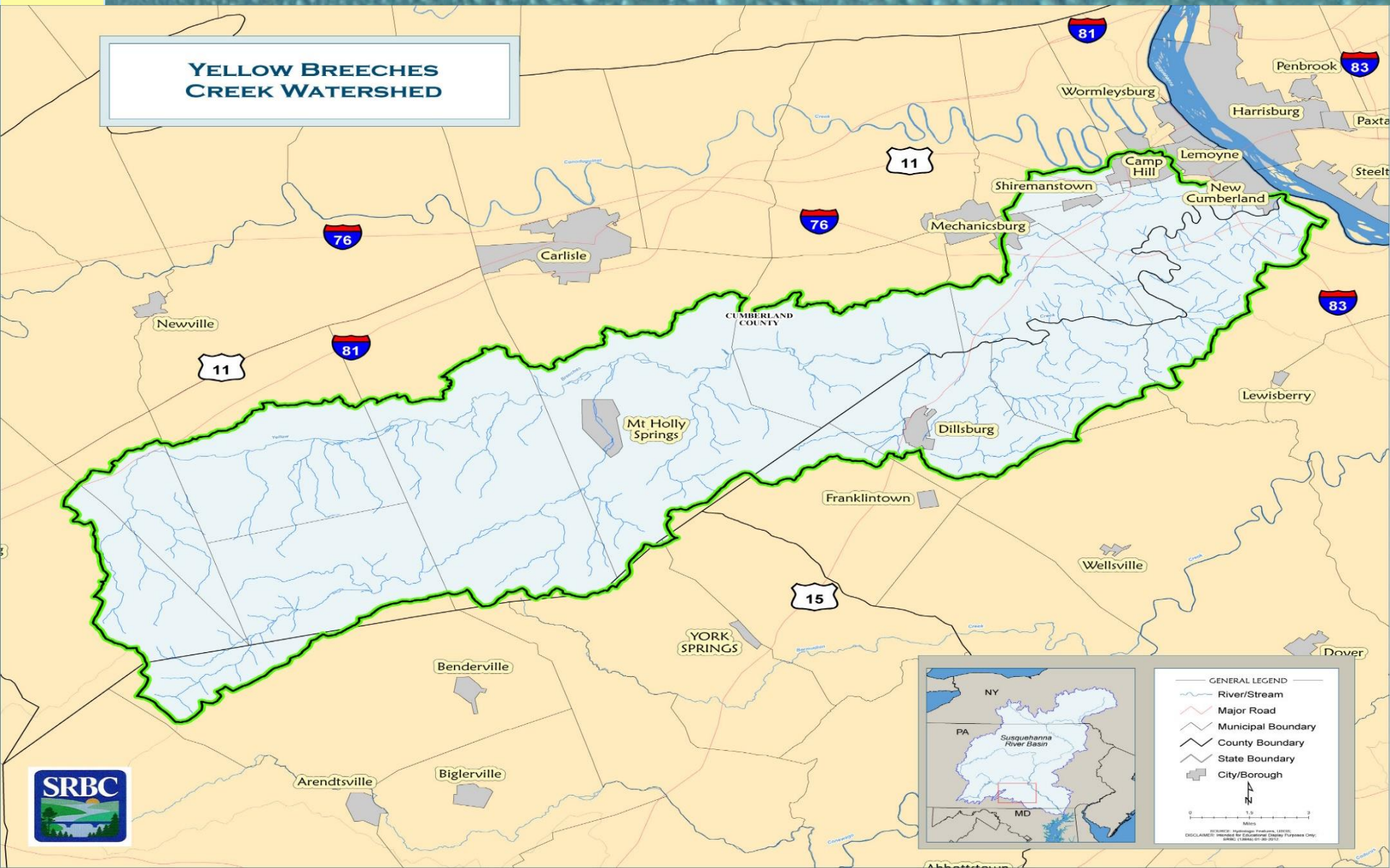
Stormwater occurs when precipitation from rain or snowmelt flows over the ground

Why & When can Stormwater become a problem?



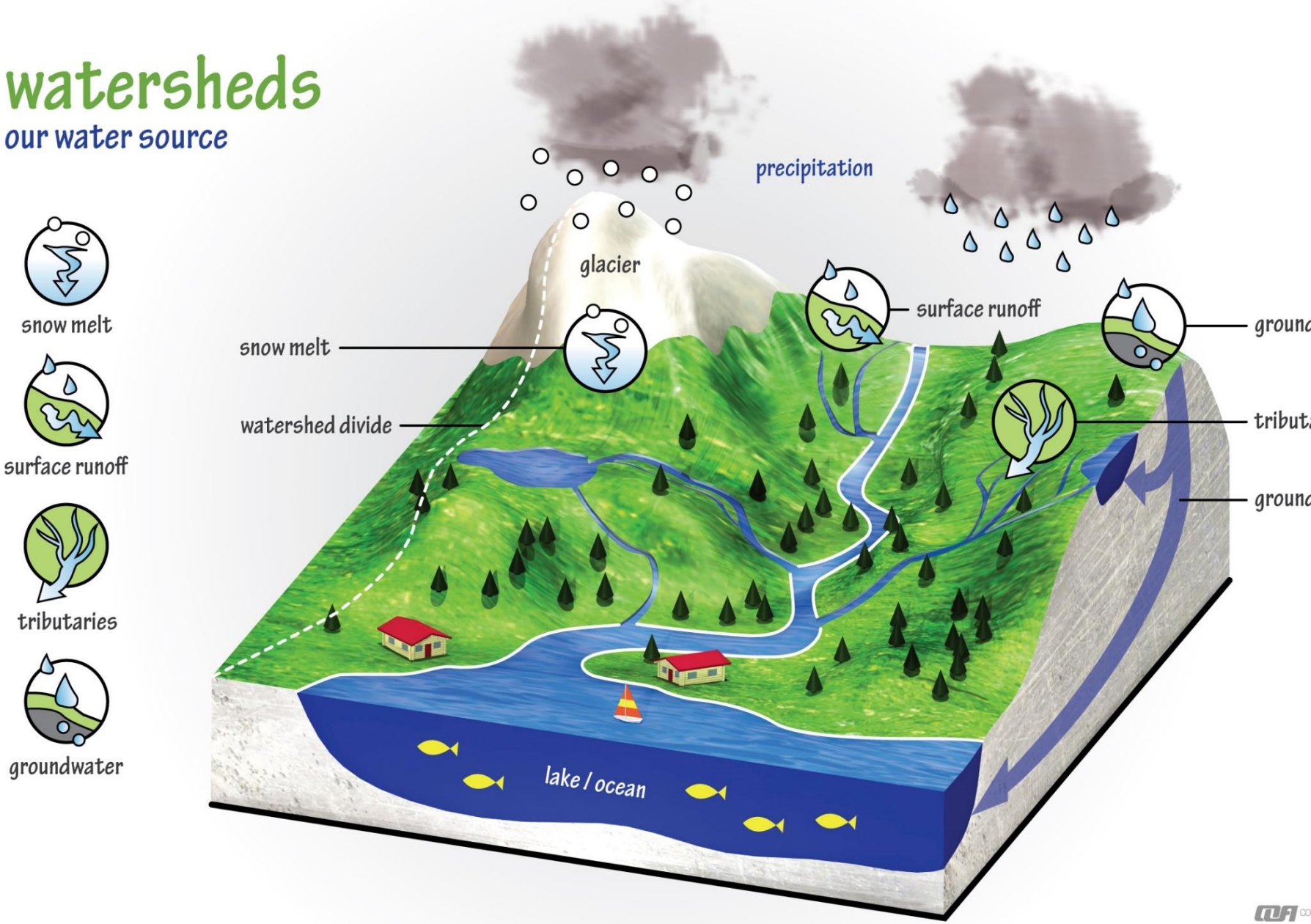
- Erosion & Sedimentation
- Flooding
- Pollutants carried to waterways
- Harmful to habitats of aquatic wildlife (Cedar Run & Yellow Breeches – impaired waterways)
- Can make water resources unsafe for recreation and drinking

Yellow Breeches Watershed



watersheds

our water source



Has anyone seen one of these before?





Storm drains, storm sewers, streets, canals, and catch basins carry excess rain and ground water from paved streets, parking lots, sidewalks and roofs.









The neighborhood that you live in most likely uses storm drains to carry stormwater to creeks, streams, and rivers.

So…….where does the storm sewers take the stormwater??





Storm sewers carry stormwater to detention ponds or directly to creeks, streams and rivers and eventually all of the water will end up in our oceans.



MS4 Program

- What does MS4 stand for?
  - Municipal
  - Separate
  - Storm
  - Sewer
  - System

What is MS4?

- MS4 is a conveyance or a system of conveyances that is:
  - Designed or used to collect or convey stormwater (can consist of curbs, gutters, storm pipes, diches, swales, streets, etc.)
  - Owned by a state, city, town, village, or other public entity that discharges to waters of the commonwealth



Background

A PROGRAM UNDER WHICH A MUNICIPALITY IS ISSUED A PERMIT TO DISCHARGE STORMWATER INTO THE CHESAPEAKE BAY

THE INTENT OF THE MS4 PROGRAM IS TO REDUCE POLLUTANTS INTO WATERS OF THE COMMONWEALTH

THE MS4 PROGRAM IS REGULATED BY BOTH THE UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP)

Storm Water Permit Program for Small Communities

- Federal regulation requires permit for our community
  - National Pollutant Discharge Elimination System (NPDES)
- PA DEP created state permitting program to meet federal regulation

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 (MCMs)

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

GENERAL MS4 PERMIT INFORMATION

NPDES MS4 PAG 133711



- Effective Date: April 1, 2013
- Expiration Date: March 15, 2018

2018 General MS4 Permit

- Effective Date: March 16, 2018
- Expiration Date: March 15, 2023
- First reporting period ends on June 30, 2018
- First Annual Report due September 30, 2018 (April 1, 2017- June 30, 2018)
- All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30





Clean Water

Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts



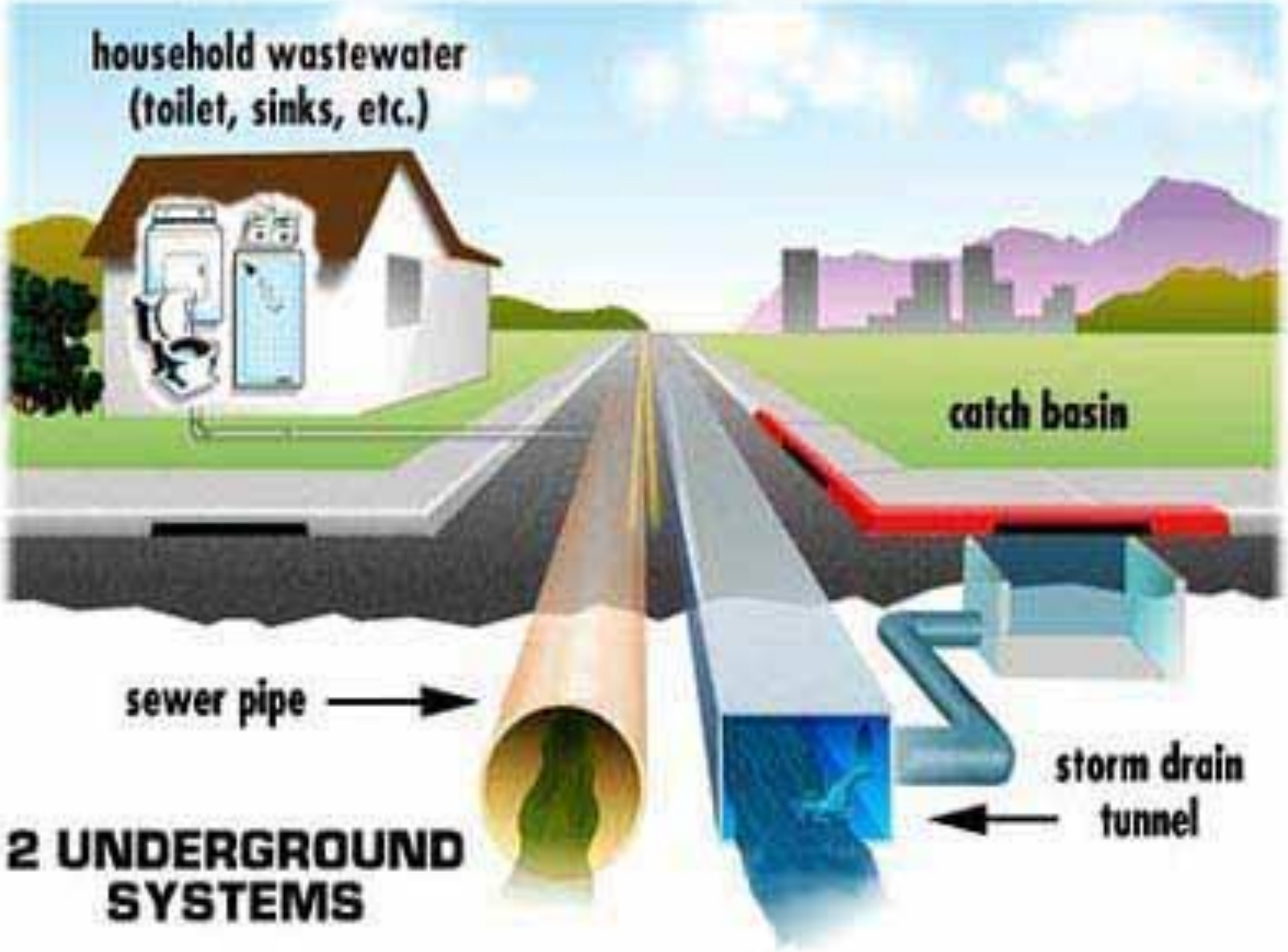



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STOP


household wastewater
(toilet, sinks, etc.)
catch basin
sewer pipe
storm drain
tunnel
2 UNDERGROUND
SYSTEMS

LAT Storm Water Program

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

MCM #1 - Public Education and Outreach

- Distribute educational materials developed by PA DEP
- Develop outreach plan for community
- Educate public on water quality impacts due to stormwater runoff and steps for reduction of pollutants

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



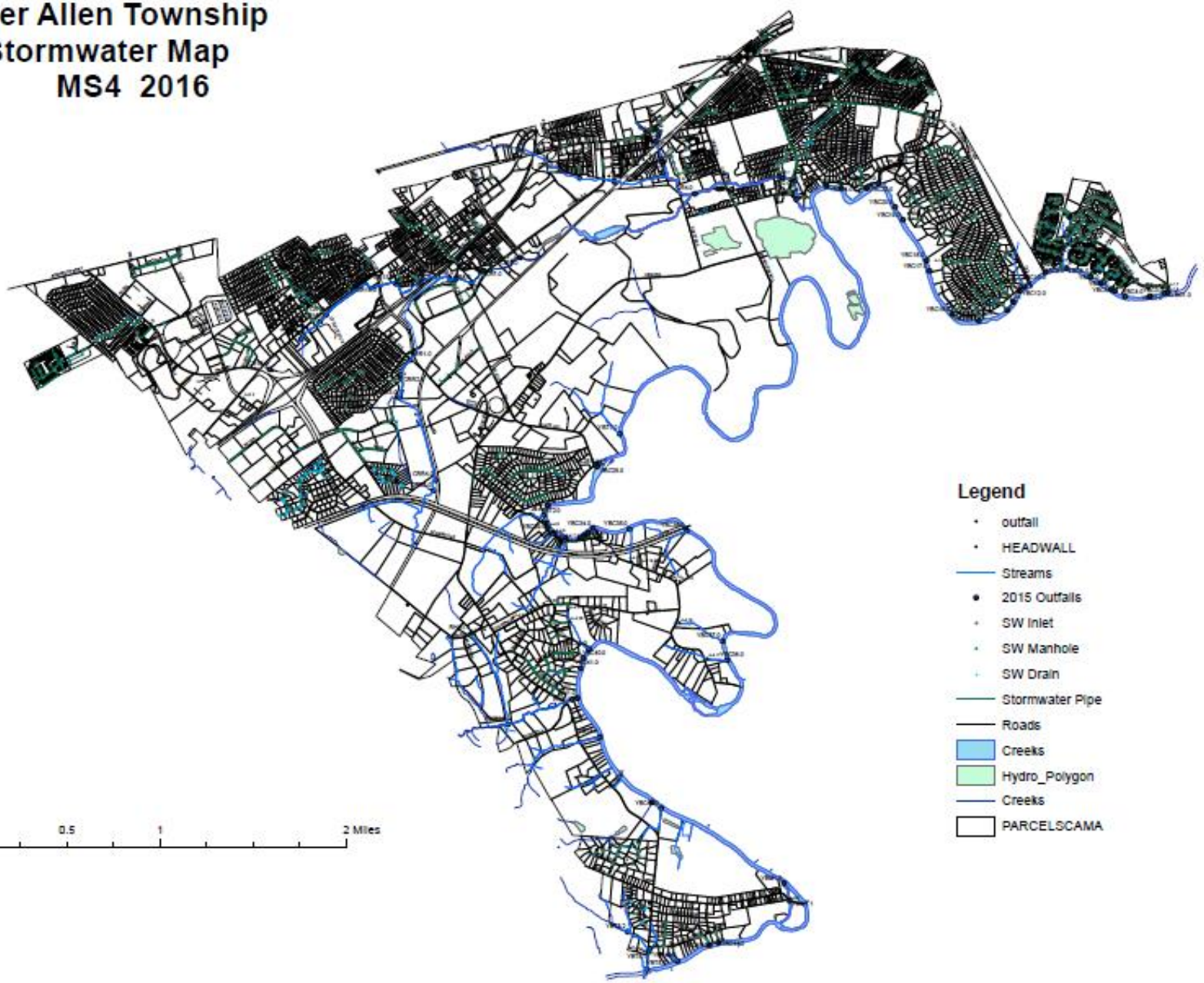
MCM #2 - Public Involvement/Participation

- Provide public notice
- Create a public involvement plan
- Hold a public meeting on the program
- Support volunteer programs
  - Water Quality Monitoring
  - Storm Drain Identification
  - Stream Clean-Ups

MCM #3 - Illicit Discharge Detection and Elimination

- Enact DEP's model ordinance or update our existing ordinance
- Develop storm sewer system map
- Implement program to detect non-storm water in system. Create a reporting mechanism for residents
- Educate community on problems related to dumping in storm sewers

Lower Allen Township
Stormwater Map
MS4 2016




FOUNDRY &
FOUNDRY & MFG.



Lower Allen Township

MS4 Stormwater Program

Illicit Discharge Reporting Form

Date:_____

Name:_____

Email:_____

Phone:_____

What type of incident do you wish to report? (Circle all that apply)

Dumping down a storm drain
Suspicious Discharge from a pipe into a stream
Unusual Color of Water in a Stream
Strange Smells in Stream
Suspicious Suds or other Substances Floating on Water
Death of Aquatic Creatures

Where did the incident take place?

Address (if applicable):_____
Name of Street:_____
Name of Closest Cross Street:_____
Name of Body of Water Impacted:_____

Date of Incident:_____
Time of Incident:_____

Send this form along with any additional information and photographs to:

Lower Allen Township
MS4 Coordinator, Rebecca Davis

MCM #4 - Construction Site Storm Water Runoff Control

- Enact DEP's model ordinance or update our existing ordinance
- Coordinate with County Conservation District
  - Erosion and Sediment Control Program
  - NPDES Construction Storm Water Permitting
- Educate construction industry – add contractors/builders to Target Audience List



MCM #5 - Post-Construction Storm Water Management

- Adopt PA DEP's model storm water management ordinance
- Ensure proper operation and maintenance of post-construction controls
- Continue Best Management Practice (BMP) monitoring through annual mailing and reporting system

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:

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- 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."

MCM #6 - Pollution Prevention/ Good Housekeeping

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- Train municipal employees on good housekeeping practices
- Educate community on pollution prevention

Lower Allen Township Facilities Inventory – MCM #6

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INVENTORY OF FACILITIES AND ACTIVITIES WITH POTENTIAL TO GENERATE STORMWATER RUNOFF

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
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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
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Lower Allen Township MS4 Program Near Term Efforts

- Complete and submit annual report
- Refine and continue implementation of SWMP
- Additional program documentation
- Evaluate new permit requirements and prepare implementation schedule
- Implement Chesapeake Bay Pollution Reduction Plan (PRP)

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 submitted to DEP by LAT
- The PRP proposes retrofitting 10 SWM basins to bioretention areas/basins in the township to reduce pollutants to the waters of the commonwealth

Lower Allen Township MS4 Program Longer Term Efforts

- Revise Target audience list as needed
- Step up Public Involvement and Participation and Outreach
- Prepare for program changes in PAG -13
- Greater emphasis on Water Quality

How your operations impact MS4 requirements?



Items to consider which apply to MS4 requirements:

How do you do the things below:

- **Spill Response/Spill Prevention (both at the station and emergency events)**
- **Proper disposal of spill materials at the station and after an incident**
- **Vehicle Washing areas (if using Public Works the site has an oil/water separator)**
- **Employee Training**
- **Proper reporting of spills – A SPILL OVER 5 GALLONS MUST BE INCLUDED IN THE MS4 ANNUAL REPORT TO PADEP**

Items to consider which apply to MS4 requirements (cont.):

- The Police Station is included in the Lower Allen Township Facilities list (MCM #6) – responsible for any discharges to the MS4 system
- Police employees may witness violations to the Township's MS4 permit and report them
- Chemicals stored at the Police Station are part of the facilities list and how they are used in response to accidents must be documented and reported
- Training of employees
- Recordkeeping and Reporting

Emergency Events that Impact MS4

- Fire Hydrant Flushing
- Transportation Accidents (Vehicle, Train)
- Pipeline Releases





Items to include on accident report for MS4 purposes

- Specific location of event
- Date, time, and weather conditions
- Description of the pollution (what is it and how much)
- What were you using to clean up the spill, leak, accident
- Pictures
- Description of violator (company, license plate number – if applicable)
- PA DEP Emergency Phone Number for Hazardous Spills – 1-866-825-0208
- Notify PADEP no later than 4 hours after the event if potential for down stream contamination

MS4 during Emergencies

- Any release to the Township's MS4 is a violation of Lower Allen Township's MS4 Permit!
- Ultimate cleanup responsibility lays with the responsible party (i.e. – the person who caused the spill)
- IF the Responsible Party does not mitigate the release, the municipality is responsible for maintaining compliance with the MS4 Permit and must clean up the spill and of course DOCUMENT!
- Lower Allen Township may use our stormwater management ordinance to enforce cleanup and recover costs if necessary

Stormwater Ordinance

- Lower Allen Township's Stormwater Ordinance allows us to enforce our MS4 program

Chapter 184-46. Violations and penalties; enforcement remedies:

"A. Anyone violating the provisions of this chapter shall be guilty of a summary offense and, upon conviction, shall be subject to a fine of not more than $500 for each violation, plus court costs and attorney fees. Each day that the violation continues shall be a separate offense. "

MS4 After the Emergency

Lower Allen Township will have to seek cost recovery for the cleanup against the responsible party

Documentation during the incident will allow for an easier and more accurate cost recovery

If you do not document and report to incident to the MS4 Coordinator, it didn't happen!



Who Performs Cleanup Work?

- Pennsylvania does not have certified cleanup companies
- Cleanup can be performed by:
  - Tow Company
  - Fire Company
  - Police
  - Public Works
  - Cleanup Contractor
  - RESPONSIBLE PARTY!!

Recordkeeping and Information Sharing

- If it's not in writing, it didn't happen!
- Proof of compliance with our MS4 permit
- Sharing of information provides consistency for our municipal MS4 program





Comments Or Questions?

For More Information. . .

Rebecca Davis

- rdavis@latwp.org

717-975-7575 Ext 1010

Township MS4 Coordinator

LOWER ALLEN TOWNSHIP NPDES MS4 TRAINING – OCTOBER 1, 2018
MS4 AND PUBLIC SAFETY
ATTENDANCE SHEET

October 1, 2018 **2:00 PM**

NAME	SIGNATURE	DEPARTMENT
Sgt. Doug Foltz		Police
Ofc. Curt Heckler		Police
Ofc. Troy McNair		Police
Cpl. Matthew Claeys		Police
Cpl. Edward Curtis		Police
Ofc. Kenneth Stirling		Police
Ofc. Kimberly Floyd		Police

LOWER ALLEN TOWNSHIP NPDES MS4 TRAINING – OCTOBER 4, 2018
MS4 AND PUBLIC SAFETY
ATTENDANCE SHEET

October 4, 2018 **2:00 PM**

NAME	SIGNATURE	DEPARTMENT
Ofc. Katie Justh		LATPD
Ofc. Torrie Shiley		Police
Ofc. Donald Coffey		
Cpl. Rick Tamanosky		Police
Lt. Greg Thomas		Police

Ofc. MIKE SCARLATO LATPD

CSO. Derek Reitz LATPD

Ofc. LAURA TAMANOSKY Police

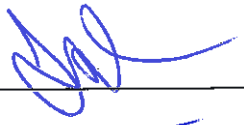
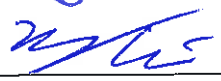
LOWER ALLEN TOWNSHIP NPDES MS4 TRAINING – OCTOBER 9, 2018
MS4 AND PUBLIC SAFETY
ATTENDANCE SHEET

October 9, 2018 **2:00 PM**

NAME	SIGNATURE	DEPARTMENT
Capt. Leon Crone		Police
Cpl. D.J. Sentman	DJ Sentman	Police
Ofc. Tom Gelnett		Police
Ofc. Kevin Cramer		Police
~~Ofc. Laura Tamanosky~~		
Ofc. Tim Cox		PD
Det. Donald Coffey		Police
Ofc. Mickey Mouse	M Mouse	Disney

LOWER ALLEN TOWNSHIP NPDES MS4 TRAINING – OCTOBER 11, 2018
MS4 AND PUBLIC SAFETY
ATTENDANCE SHEET

October 11, 2018 **2:00 PM**

NAME	SIGNATURE	DEPARTMENT
~~Ofc. Mike Scarlato~~		
Cpl. Jeremy Read		Lower Allen Twp
Ofc. Bryan Rennie		Lower Allen Twp.
Ofc. Alex Milletics		Lower Allen Twp.

ATTACHMENT #20

ANNUAL EMPLOYEE TRAINING/TRAINING LOG

LOWER ALLEN TOWNSHIP NPDES MS4 ANNUAL TRAINING – APRIL 17, 2019

MCM #6: POLLUTION PREVENTION/GOOD HOUSEKEEPING:
"Changes to the PAG-13 NPDES General Permit"

ATTENDANCE SHEET

April 17, 2019 **10:00 AM**

NAME	SIGNATURE	DEPARTMENT
Matt Reynolds		Public Works
Bryce Thompson		Public Works
Ben Peters		Public Works
Ryan Turpin		Public Works
Jeff Brewbaker		Public Works
Aaron Duncan		Fleet
Garrett Knisley		Public Works
Barry Zook		Public Works
Brian Plank		Parks
Bob Hamsher		Maintenance
Bryan Harshbarger		Public Works
Tom Stamsavich		Public Works
Scott Harbold		PW
Mark D'Agostino		PW
Marshall Quastad		Public Works
Helen Grunden		Admin
Tom Vernau		Admin
Dan Flint		PW

NAME	SIGNATURE	DEPARTMENT
RAY ALLEN		Public Works
William J. Yeagley		CED

Preventing Stormwater Pollution
What We Can Do

Recognizing and Reporting Illicit Discharges & Spill Clean Up



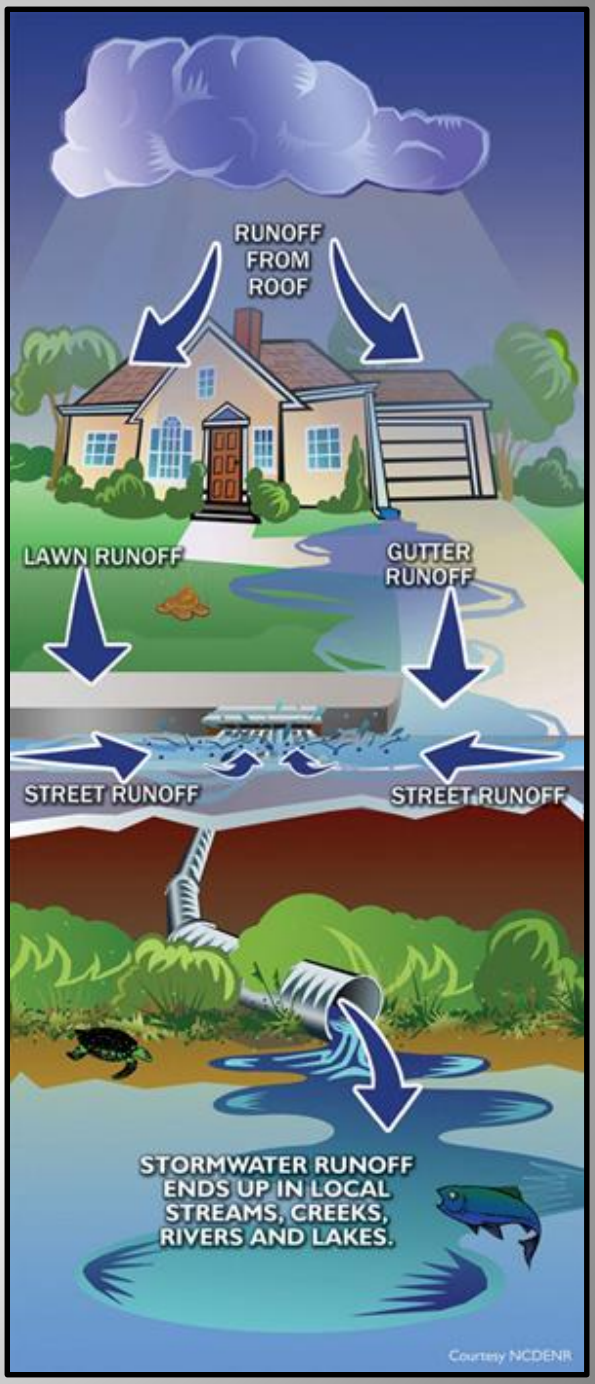
Training Goals

- Understand the terms “stormwater” and “illicit discharge”
- Understand why these terms are important and why you should care
- Understand what you can do to help prevent stormwater pollution
- Understand how to recognize and report illicit discharges (pollution)
- Understand spill clean up procedures



What is Stormwater?

- When it rains, water that does not soak into the ground becomes runoff
- This runoff can enter a storm sewer system which ends up in local streams, creeks, rivers, and lakes



Why is Stormwater Runoff Important?

- Stormwater runoff can pick up debris, chemicals, dirt, and other pollutants
- Stormwater runoff is **NOT** treated before it is discharged into local streams, creeks, rivers, and lakes



What is an Illicit Discharge?

- Any discharge to the storm sewer system that is not composed entirely of stormwater
- Exceptions include (Chapter 184-37.C)
  - De-Chlorinated waterline and fire hydrant flushing
  - Irrigation Drainage
  - Air-conditioning condensate
  - Springs
  - Water from crawl space or basement sump pumps
  - Lawn watering
  - Foundation and footing drains
  - Pavement wash waters where spills or leaks of toxic materials have not occurred
  - Uncontaminated groundwater
  - Water from crawl space pumps
  - Flows from wetlands and riparian habitats
  - Dechlorinated swimming pool discharges
  - Street wash water
  - Discharges or flows from fire fighting activities

Why are Illicit Discharges Important?

- Illicit discharges often include pathogens, nutrients, toxic pollutants, etc.
- Illicit discharges = pollution
- Anything that enters a storm sewer system flows untreated to a local waterway





Why Should You Care?

- We use local waterways for swimming, fishing, boating, and as a source of drinking water
- Lower Allen Township is required to prevent pollutants from entering the storm sewer system







What Can You Do?

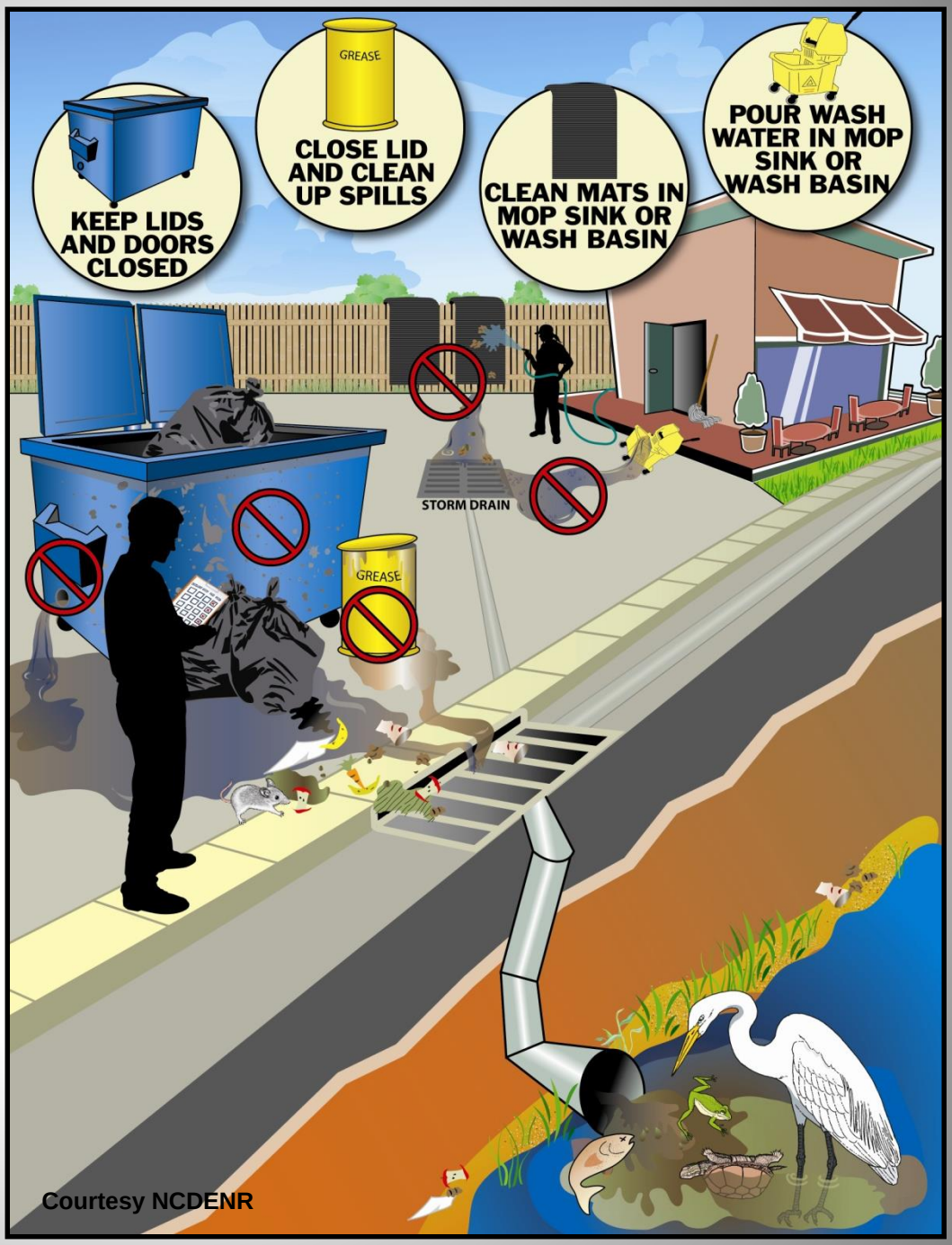
- Employees can help prevent stormwater pollution by:
  - Preventing pollutants from being dumped or spilled into the storm sewer system (this includes driveways, sidewalks, streets, storm drains)



  - Reporting pollution or questionable discharges to the storm sewer system or local waterways to the MS4 Coordinator

Preventing Pollution

- Store and handle materials safely
- Clean up spills properly
- Never dump or wash out items down or near a storm drain



SPILL RESPONSE KIT USAGE PROCEDURE

FOR ALL LAND BASED SPILLS

WHEN A LIQUID SPILL OCCURS:

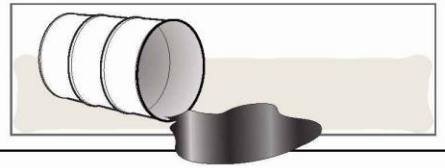
- **If there is a fire or medical attention is needed, contact your supervisor or call public safety at 911. Warn all people nearby and evacuate area as necessary.**
- **Evaluate the toxicity, flammability and other hazardous properties of the liquid from a safe distance. If spill is flammable or volatile, IMMEDIATELY warn everyone, control all potential ignition sources and ventilate the area.**
- **Stop the spill at the source *(repair leaks, turn off source, plug or patch source).***
- **Follow procedures below to contain and clean up the spilled liquid. Use the proper level of Personal Protection Equipment (PPE) based on the characteristic of the liquid that has been spilled.**

Only properly trained and certified individuals should attempt the cleanup of hazardous, volatile, toxic or unknown liquids.

STEP 1

Identify spilled liquid and verify compatibility of spill clean up material with the liquid.

WYK Universal Spill Kits are safe to use on all liquids except (HF). Do not use if liquid is or contains (HF) hydrofluoric acid.

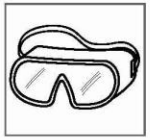


STEP 2

Open spill kit and put on appropriate Personal Protective Equipment (PPE) before proceeding.

At a minimum you must use chemical resistant gloves and goggles.



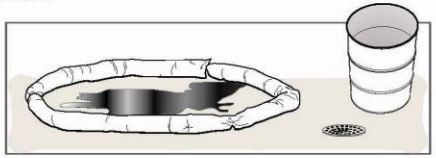




STEP 3

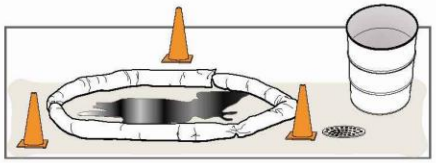
Immediately place socks around the spill to contain the liquid from spreading.

Liquids must be prevented from entering floor drains or sewers.



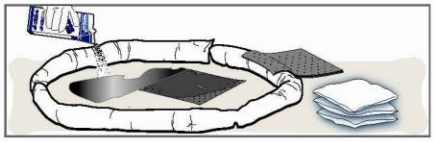
STEP 4

Cordon off spill area to prevent guest or other employees from slipping on the liquids.



STEP 5

Cover the spill with sorbent pads, pillows and/or ***Super Sorbent*** particulate to reduce vapors and soak up the liquid.



STEP 6

Remove saturated sorbent media and place in temporary disposal bags and label.

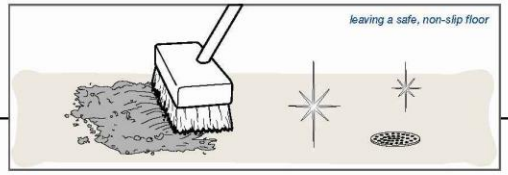
If liquid remains, place new pads or pillows on the spill to soak up any remaining liquids. Place all pads, pillows and containment socks into temporary disposal bags provided.



STEP 7

Re-cover spill area with ***Safety Sorbent*** and work in with stiff broom.

Sweep up ***Safety Sorbent*** and place in temporary disposal bags. Repeat this procedure if floor surface is wet or damp. Floor should be completely dry when clean up is finished. Remove PPE and place in disposal bags



Immediately replace used spill kit with a new one or refill used container for future emergency use.

Used materials and saturated sorbents must be disposed of in accordance with local, state and Federal regulations.

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SPILLRESPONSECLEAN-UPCONTAINMENT

When to call 911

- If a spill is too large to be contained or cleaned up or there are hazardous materials, do not attempt to clean the spill yourself.
- Call 911 to report the spill to our local police, fire company or hazardous materials personnel.
- Those groups are trained in handling hazardous materials properly and will clean up the spill and document it.

Reporting Pollution

- If you see questionable discharges entering the storm sewer system or someone dumping something down the storm drain, report it to the MS4 Coordinator





Examples of What to Report

Pollution Entering the Storm Sewer System



Dirty water in the street



Wash out of solids/liquids



Unusually colored discharges

Tetra Tech



Liquids dumped down a storm drain



Leaks



Solids blown or swept in the street or down a storm drain

Reporting Pollution

- If you see warning signs of pollution coming out of a pipe or in a local waterway, report it
- Warning signs may include the presence of unusual:
  - Color
  - Odor
  - Turbidity
  - Floatable liquids and solids
  - Etc.





Examples of What to Report

Unusual Water Color



Pea-green/
bright green

Milky gray-black



Milky white





Tan to light
brown

Dark red, purple, blue, black



Examples of What to Report

Unusual Odor

- Some odors are an immediate indicator of pollution
- Sewage, gasoline, and chemical odors should be reported

Odor	Causes
Rotten eggs/hydrogen sulfide	Raw sewage, decomposing organic matter, lack of oxygen
Sharp, pungent odor	Chemicals or pesticides
Gasoline, petroleum	Industrial discharge, illegal dumping of wastes, waste water

Examples of What to Report

Highly Turbid Water



Construction site discharge

Discharge of rinse from floor sanding





Unknown brown turbid discharge

Sewage discharge



Examples of What to Report

Floatables in the Water



Leaves and grass clippings

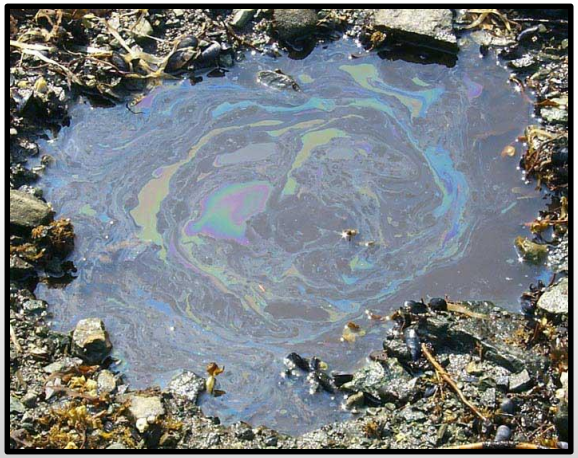
Trash and debris



Sewage fungus



Oil sheen



Suds



How to Report

- Inform the MS4 Coordinator
- If you are able, please include the following information:
  - Specific location
  - Date and time
  - Description of the pollution
  - Description of the violator, e.g. license plate #, personal description (if applicable)

  - Take a picture if you can

Lower Allen Township

MS4 Stormwater Program

Illicit Discharge Reporting Form

Date:_____

Name:_____

Email:_____

Phone:_____

What type of incident do you wish to report? (Circle all that apply)

Dumping down a storm drain
Suspicious Discharge from a pipe into a stream
Unusual Color of Water in a Stream
Strange Smells in Stream
Suspicious Suds or other Substances Floating on Water
Death of Aquatic Creatures

Where did the incident take place?
Address (if applicable):_____
Name of Street:_____
Name of Closest Cross Street:_____
Name of Body of Water Impacted:_____

Date of Incident:_____
Time of Incident:_____

Send this form along with any additional information and photographs to:

Lower Allen Township
MS4 Coordinator, Rebecca Davis
2323 Gettysburg Road
Camp Hill, PA 17011
PH: 717-975-7575 Ext. 1010
rdavis@latwp.org



MS4 (MUNICIPAL SEPARATE STORMSEWER SYSTEM) GOOD HOUSEKEEPING ANNUAL EMPLOYEE TRAINING

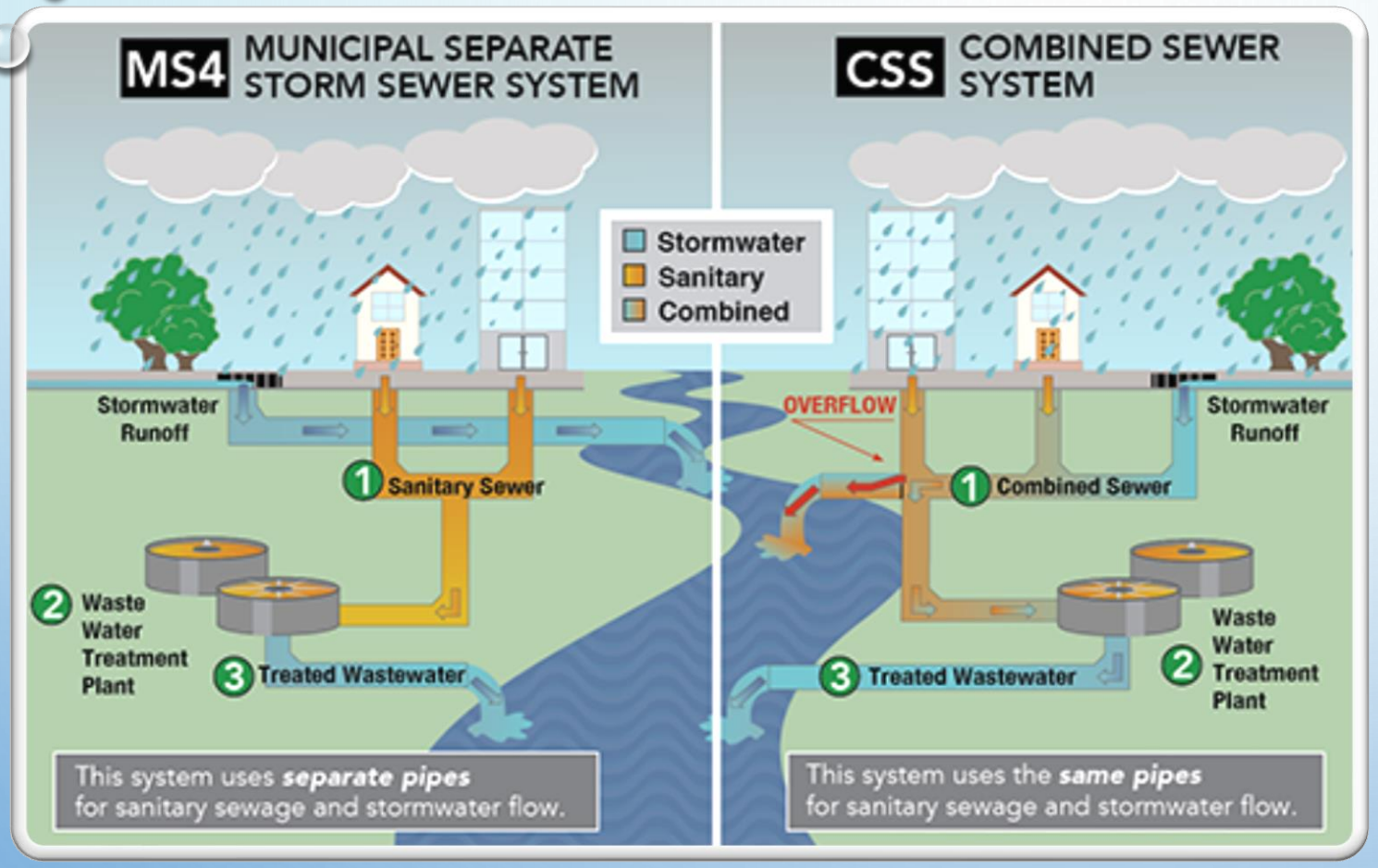
APRIL 17, 2019

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
- STORMSEWER
- 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

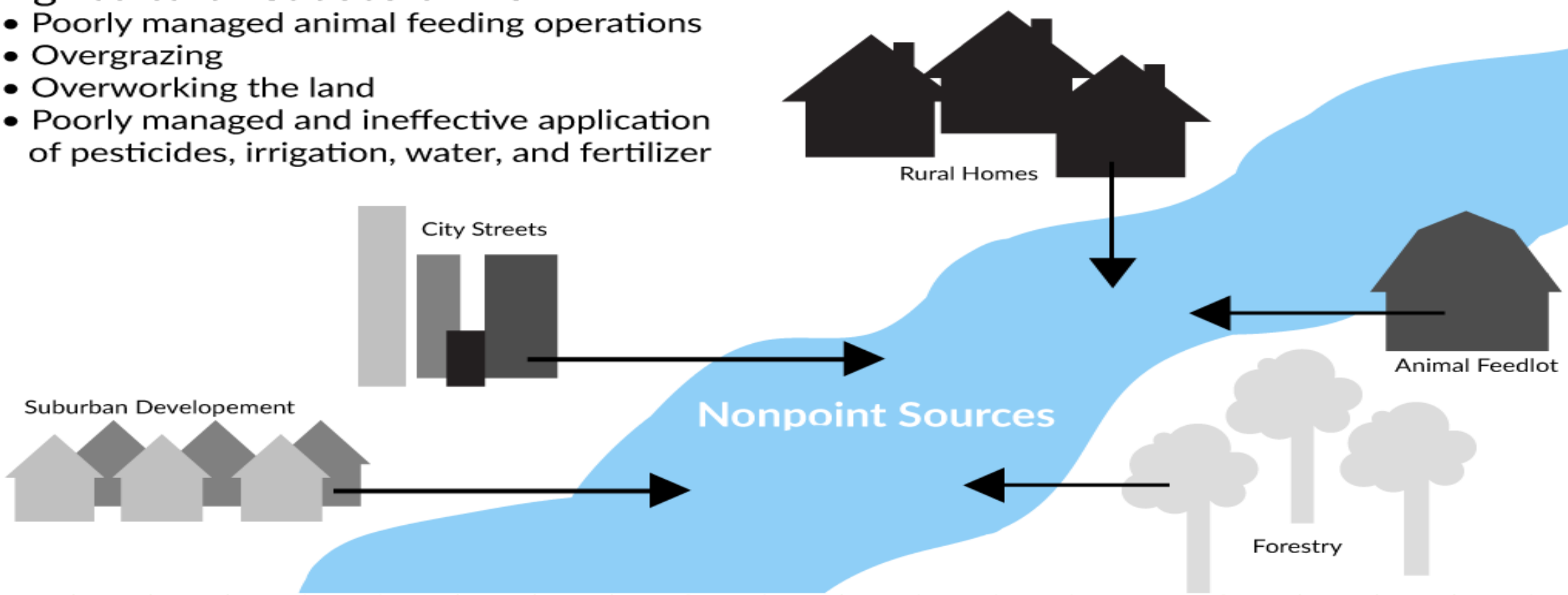
- NPDES REQUIRED AUTHORIZATION TO DISCHARGE POLLUTANTS FROM A POINT SOURCE INTO THE WATER OF THE UNITED STATES. THE SMALL MUNICIPAL NPDES PERMIT IS CALLED A PAG-13. THIS IS THE FEDERAL REGULATION
- PADEP CREATED THE STATE PERMITTING PROGRAM TO MEET THE FEDERAL REGULATION.

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)

PUBLIC EDUCATION AND OUTREACH

PUBLIC INVOLVEMENT AND PARTICIPATION

ILLICIT DISCHARGE DETECTION AND ELIMINATION

CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

POST CONSTRUCTION STORMWATER MANAGEMENT

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 DISCHARGE'S 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

PA.GOV
Tom Wolf, Governor

MS4 Requirements

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Patrick McDonnell, Secretary

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.

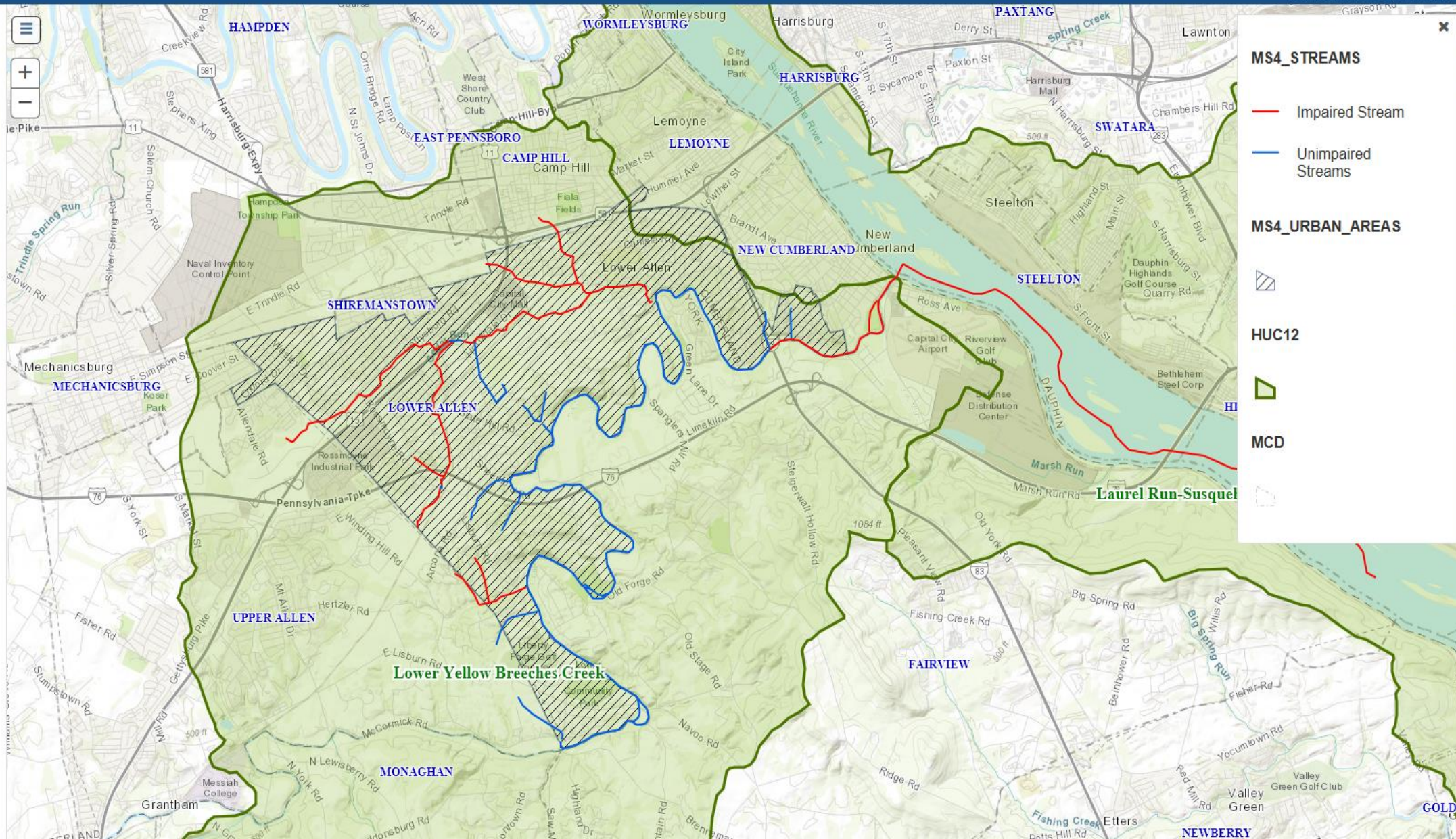
Select a County

CUMBERLAND

Select a Municipality

LOWER ALLEN TWP

Click to View Features



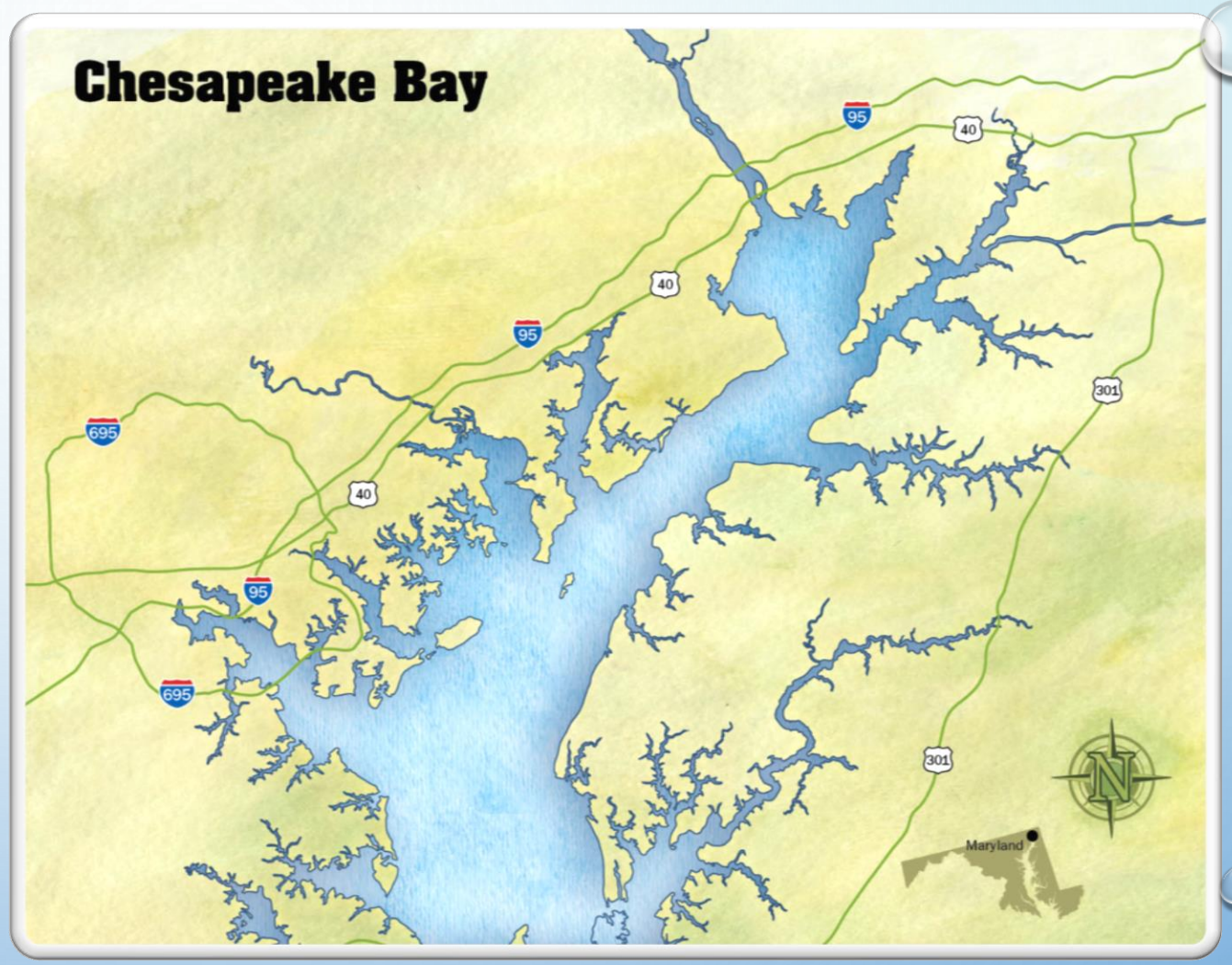
CHESAPEAKE BAY POLLUTION REDUCTION PROGRAM

- 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





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.



Surface water can be polluted through groundwater.



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.



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

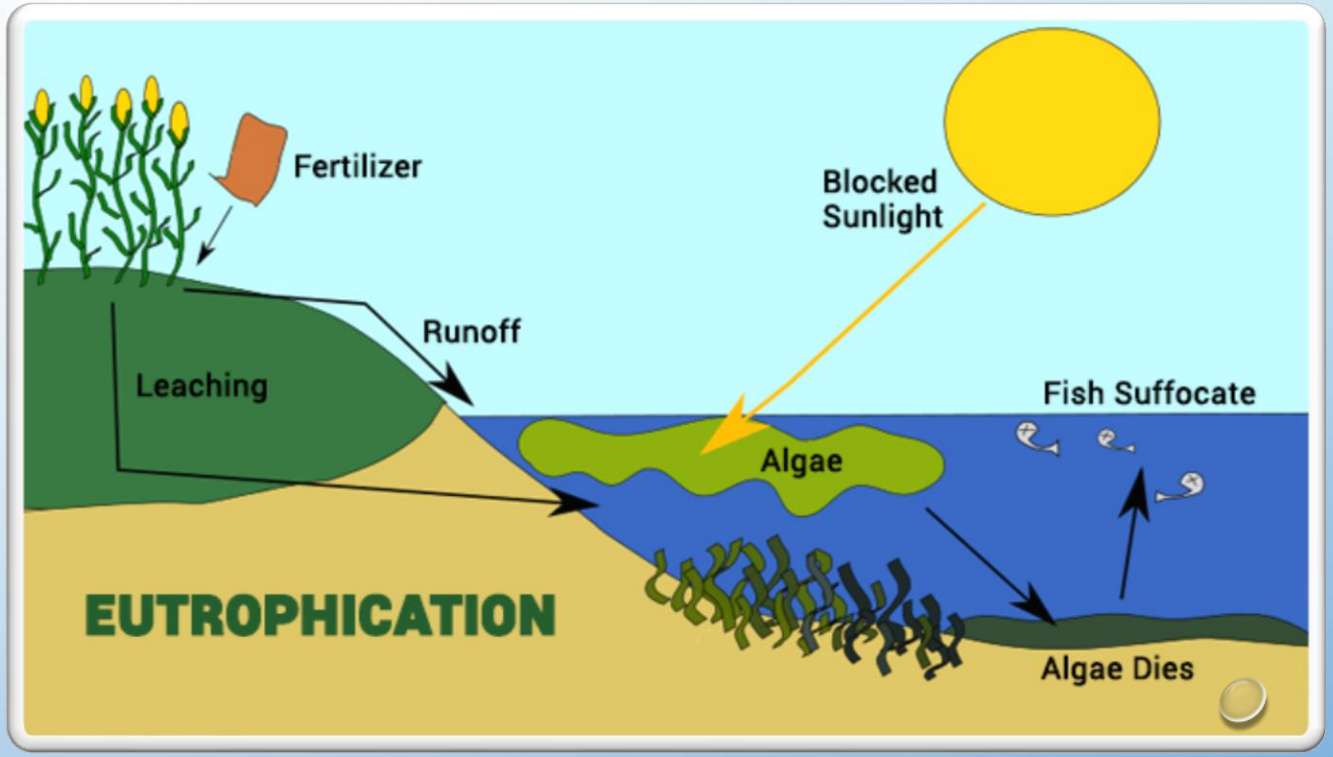




SEDIMENT POLLUTION (CONT.)

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 INSPECTS, WEEDS, RODENTS AND MOLDS. WHEN USED EXCESSIVELY OR IMPROPERLY, THEY CAN END UP IN STREAMS AND HARM AQUATIC LIFE





ALGAL BLOOM

TRASH, DEBRIS, & LITTER



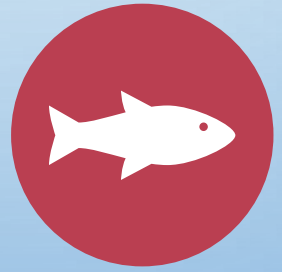
Street litter ends up in our waterways



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

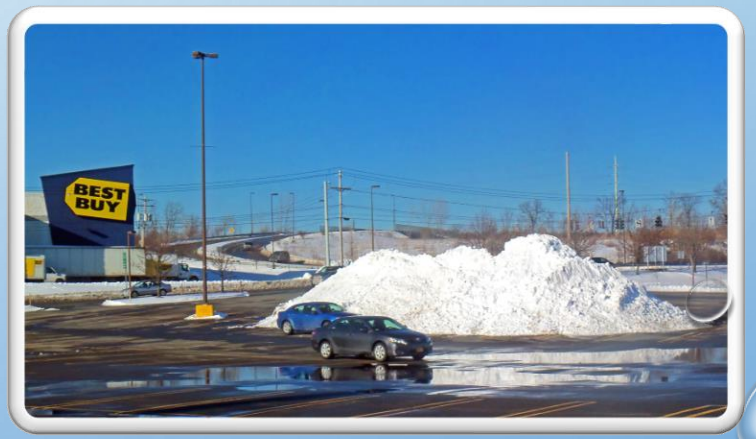
EXAMPLES OF CHEMICAL POLLUTANTS ARE:

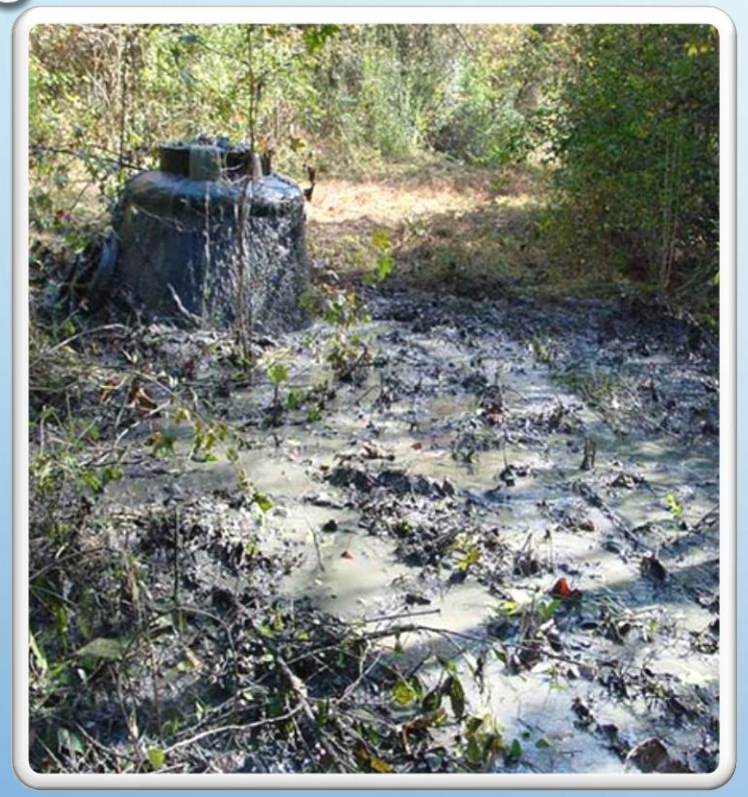
- SOLVENTS
- ANTI FREEZE
- HYDRAULIC FLUID
- LUBRICANTS
- PAINTS & COATING
- DETERGENTS

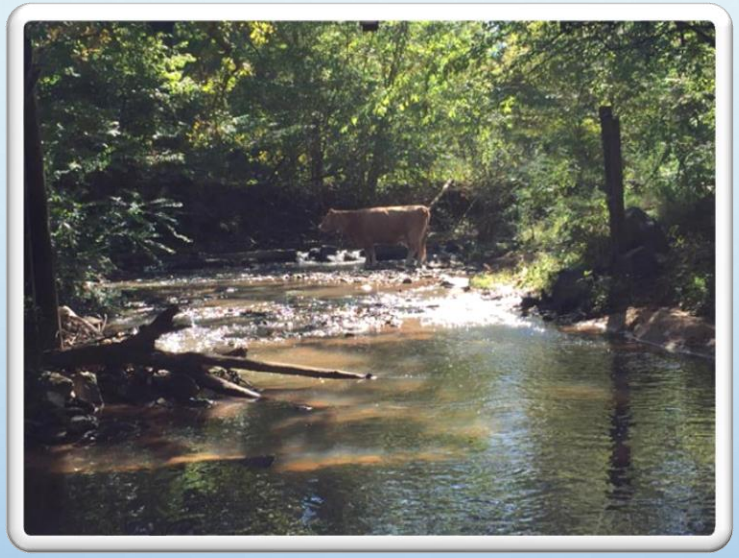
CHLORIDES

- 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



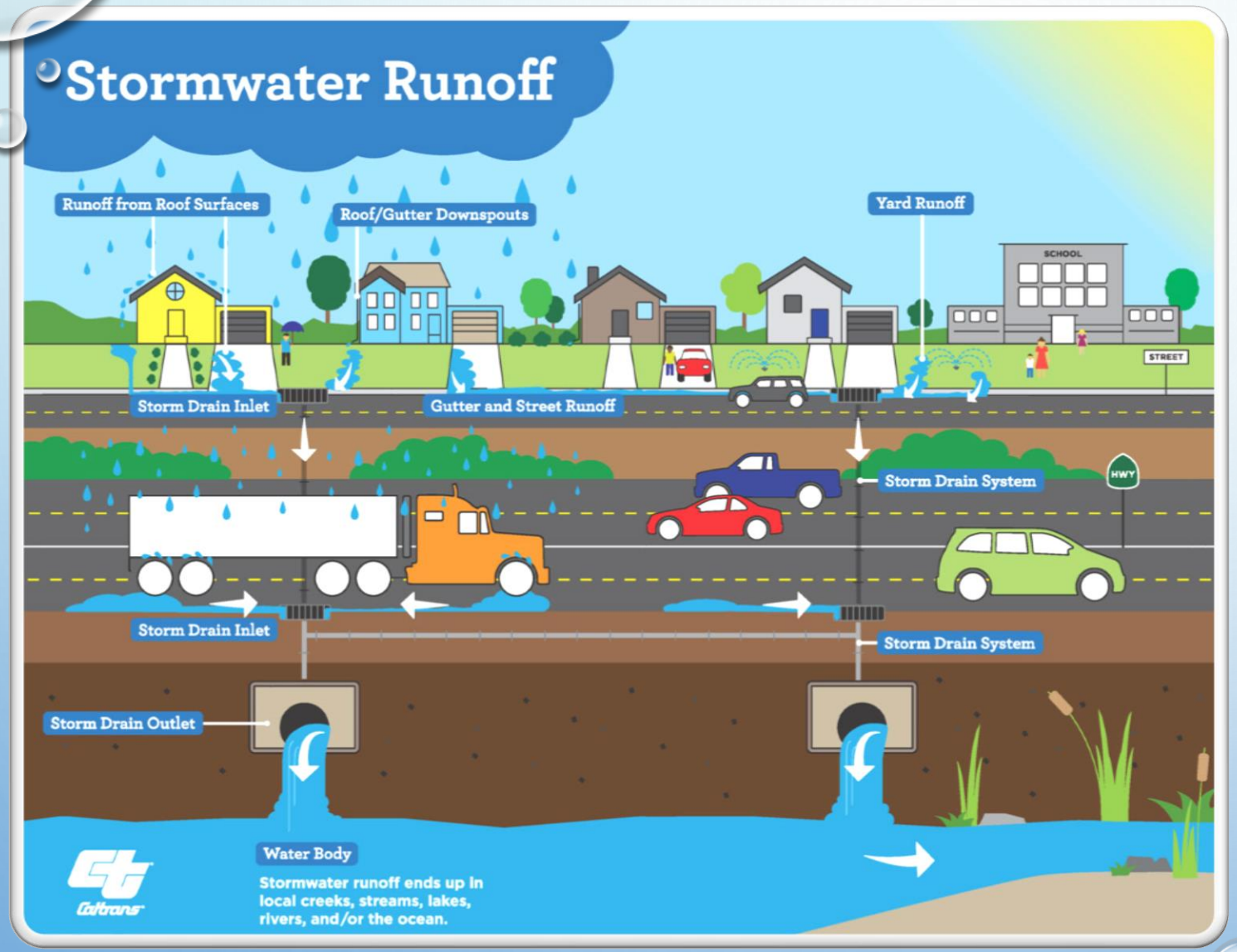






BACTERIA

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

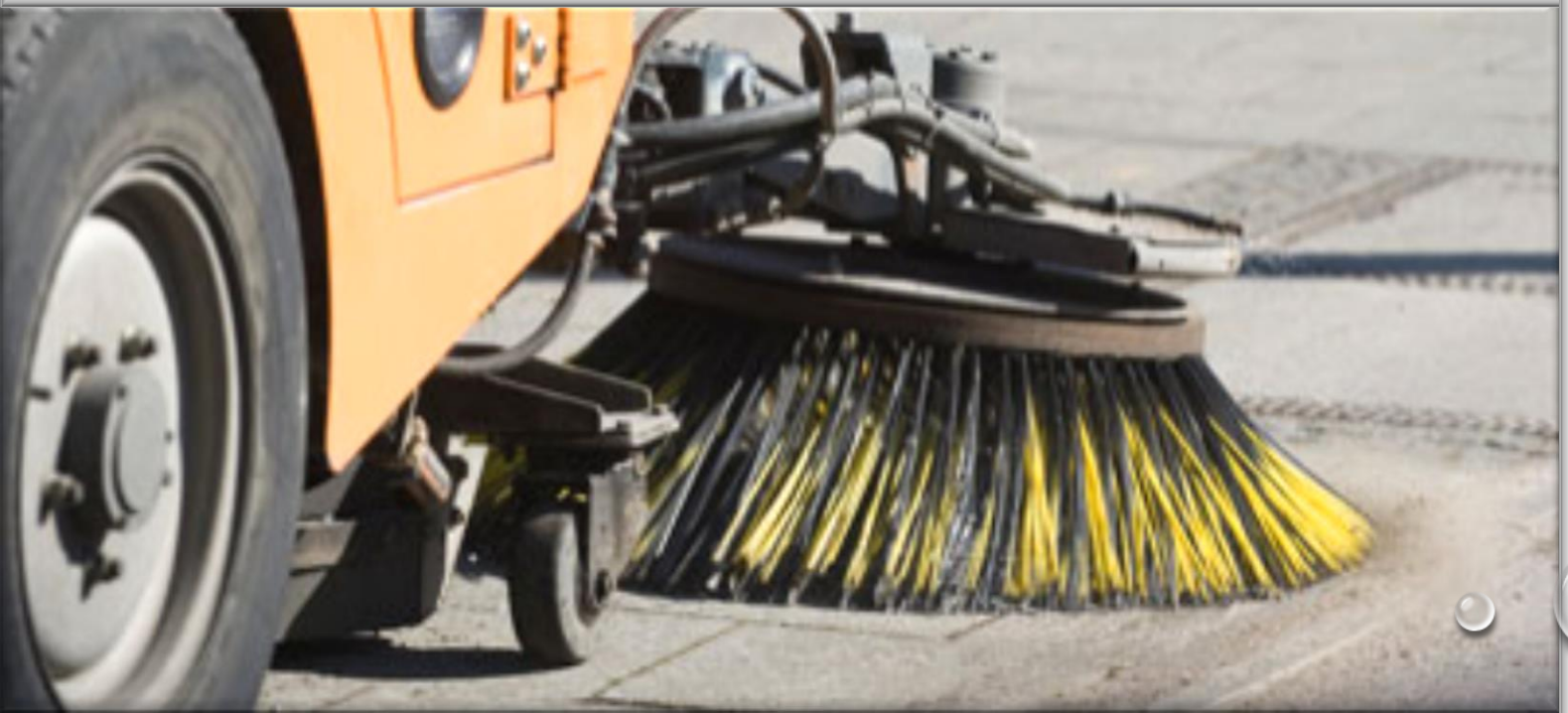


WHERE ARE POLLUTANTS GOING IF NOT CONTROLLED AT THE SOURCE?

- 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
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









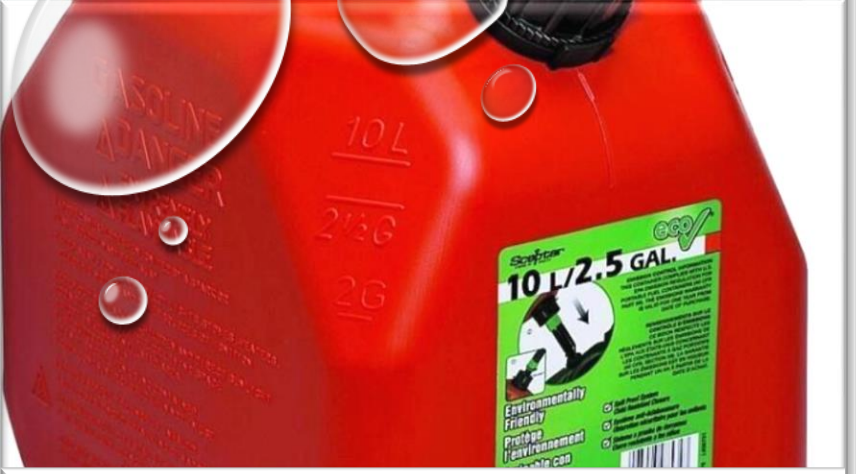
PUBLIC WORKS GOOD HOUSEKEEPING BMPS

- 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 CLEAN UP 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







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

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

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

pig 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.



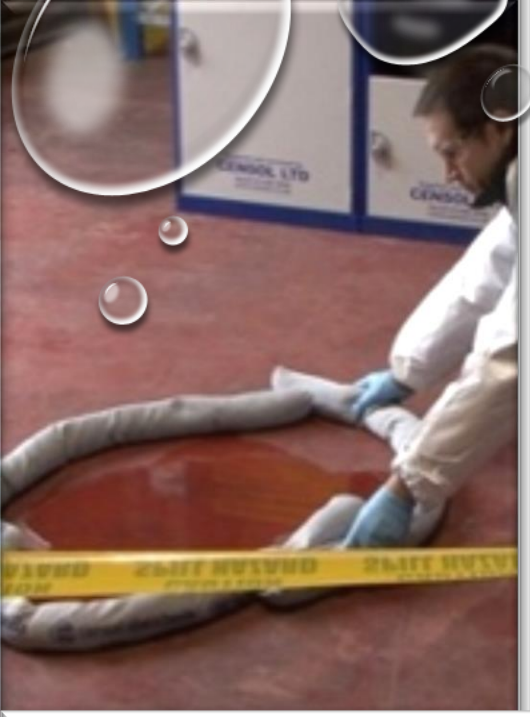
CLEAN UP

- 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

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 A AUTHORIZED RELEASE UNDER OUR NEW PAG-13 PERMIT**





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 IT 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 INSURANCES 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. DANIEL FLINT – 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 INPSECTED AND MAINTAINED THROUGH A PREVENTATIVE MAINTENANCE PROGRAM RUN BY THE TOWNHSIP'S FELLT 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 BUILIDNG 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 MANNAR 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 THOUGH 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 BUILIDNG 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

TOWNSHIP MS4 COORDINATOR

LOWER ALLEN TOWNSHIP MS4 TRAINING SCHEDULE 2018 7/1/18 to 6/30/19

EMPLOYEE/DEPARTMENT	DATE	TRAINING TOPIC	LOCATION
Daniel Flint - CED	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
	4/17/2019	Pollution Prevention/Good Housekeeping - Changes to the PAG-13 MS4 Permit	EOC Training Room - Lower Allen Township
Raymond Allen - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
	4/17/2019	Pollution Prevention/Good Housekeeping - Changes to the PAG-13 MS4 Permit	EOC Training Room - Lower Allen Township
Staci Morgan - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
Rebecca Davis - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
	7/30 & 7/31 2018	Chesapeake Bay Landscape Professionals Training	State College, PA
	8/16/2018	LTAP - Stormwater Operation & Maintenance	Silver Spring Township Municipal Building
	9/6/2018	Chesapeake Bay Landscape Professionals Exam	State College, PA
	9/10/2018	Chesapeake Bay Landscape Professional - Received Certification	See Email & Certificate
	9/19/2018	CapCog MS4 Training - Spills	Penbrook Borough
	11/15/2018	NPDES Stormwater for decision making executives	Webinar - NPDES
	11/27/2018	MS4 Workshop - Financing Strategies for your MS4 programs	Londonderry Township
	12/6/2018	Chesapeake Stormwater Network - Roadside Ditch Management	Webinar - Chesapeake Stormwater Network
	3/5/2019	PA DEP MS4 Training - Weathering the Storm	Susquehanna River Basin Commission
	3/12/2019	PSU - Workshop - Green Infrastructure to Reduce Stormwater Pollution	Webinar - Penn State Water Insights
	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
	5/2/2019	Tri County Planning Commission Luncheon - MS4 and Stormwater Management	Sheraton Harrisburg/Hershey
	5/14/2019	CapCog MS4 Training - MCM #4	South Middleton Township
	6/3/2019	MS4orum (Municipal Stormwater Formum) - Presenter and Attendee	Lancaster Public Safety Training Center
	6/4/2019	Chesapeake Bay Foundation - Educational Canoe Trip on the Conodoguient Creek	Willow Mill Park and Vincent DiFilippo Nature Preserve
John Eby - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
Corisa Mihoerck - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
Brian Plank - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Tom Vernau - ADMIN	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Erin Trone - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
Helen Grundon - ADMIN	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Richard Lehigh - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
William Yeagley - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC

Bryce Thompson - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Bryan Harshbarger - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Bob Hamsher - MAINT	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Mark D'Agastino - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Matt Reynolds - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Richard Grove - FINANCE	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
Scott Harbold - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Tom Stambaugh - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Barry Zook - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Ryan Turpin - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Ben Peters - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Garrett Knisley - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Aaron Duncan - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Jeff Brewbaker - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
Marshall Quintin - PW	4/17/2019	Annual MS4 Training - MCM 6 Pollution Prevention	Lower Allen Township EOC
David Yount - CED	7/10/2018	E&S Site Inspections and Illicit Discharge Reporting and Documentation	CED Conference Room
David Holl - Public Safety	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
Sgt. Doug Foltz - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Curt Heckler - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Troy McNair - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room
Cpl. Matthew Claeys - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room
Cpl. Edward Curtis - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Kenneth Stirling - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room

Ofc. Kimberly Floyd - Police	10/1/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Katie Just - Police	10/4/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Torrie Shiley - Police	10/4/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Donald Coffey - Police	10/4/2018	MS4 and Public Safety	EOC Conference Room
Cpl. Rick Tamanosky - Police	10/4/2018	MS4 and Public Safety	EOC Conference Room
Lt. Greg Thomas - Police	10/4/2018	MS4 and Public Safety	EOC Conference Room
	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
Capt. Leon Crone - Police	10/9/2018	MS4 and Public Safety	EOC Conference Room
	4/8/2019	Annual MS4 Presentation - Program Update - Board of Commissioners Meeting	Gorgas Hall - Lower Allen Township
Cpl. D.J. Sentman - Police	10/9/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Tom Gelnett - Police	10/9/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Kevin Cramer - Police	10/9/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Tim Cox - Police	10/9/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Mike Scarlato - Police	10/11/2018	MS4 and Public Safety	EOC Conference Room
Cpl. Jeremy Read - Police	10/11/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Bryan Rennie - Police	10/11/2018	MS4 and Public Safety	EOC Conference Room
Ofc. Alex Milletics - Police	10/11/2018	MS4 and Public Safety	EOC Conference Room
Matthew Reynolds - PW	10/25/2018	New Employee MS4 Orientation Training	HR Office
Frank Wirth	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Brian Landis	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Frank Williamson	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Brian Petkash	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Greg Black	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Mike Tamosaitis	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room

Timothy Sheely	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Eric Tamosaitis	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Stephen Overmiller	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Bryce Landis	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Gary Frazer	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Curtis Trace	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Greg Weaver	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Noah Weaver	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Davis Murdok	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room
Sydney Overmiller	1/23/2019	MS4 and Fire Fighting Activities	EOC Conference Room

	A	B	C	D	E	F	G
1	LOWER ALLEN TOWNSHIP MS4 ACTIVITIES 07-18 to 06-19						
2	**Date**	**Employee**	**Location**	**Permit #**	**SLD or DP #**	**Other**	**Description of Actions**
3	7/2/2018	JME	Yellow Breeches Creek	NA	NA	MS4	Scouted creek in preparation for July 15 cleanup
4	7/3/18	JME	Spanglers Mill creek access	NA	NA	MS4	Scouted bridge construction zone portage for July 15 cleanup
5	7/3/2018	JME	2233 Gettysburg	NA	NA	MS4	Recruited cleanup volunteers
6	7/5/2018	JME	2233 Gettysburg	NA	NA	MS4	Recruited cleanup volunteers
7	7/10/2018	CED Dept.	LAT CED meeting room	NA	NA	MS4	E&S and Illicit Discharge Training for CED Department
8	7/10/18	RJA	1325 and 29 Yarmouth Ln	20180283 and 4	N/A	MS4	Pre-construction Site inspection for SFDU construction
9	7/10/18	JME	2233 Gettysburg	NA	NA	MS4	Coordinate debris pick up for July 15 cleanup
10	7/10/2018	JME	Yellow Breeches Creek	NA	NA	MS4	Scouted creek in preparation for July 15 cleanup
11	7/11/2018	JME	2233 Gettysburg	NA	NA	MS4	Coordinate debris pick up for July 15 cleanup
12	7/12/2018	RLD & RJA	1841 Brookview Drive	20140167	NA	MS4	Infiltration trench final BMP inspection
13	7/12/2018	REL	1325 Yarmouth Ln	20180283	NA	MS4	Pre-construction Site inspection for SFDU construction
14	7/12/2018	REL	1329 Yarmouth Ln	20180284	NA	MS4	Pre-construction Site inspection for SFDU construction
15	7/14/2018	JME	various locations	NA	NA	MS4	Final preparations for creek cleanup
16	7/15/2018	JME	LACP and YB Creek cleanup route	NA	NA	MS4	conduct creek cleanup
17	7/16/2018	JME	various locations	NA	NA	MS4	follow up tasks from creek cleanup
18	7/18/2018	DJF, RJA, & RLD	MS4 Outfall Meeting	NA	NA	MS4	Outfall meeting with Dan and Ray to discuss elimination of a few outfalls and renumbering locations.
19	7/26/18	JME	2233 Gettysburg	NA	NA	MS4	process YBWA reimbursements for cleanup event
20	7/30 & 7/31	RLD	Penn State University	NA	NA	MS4	Chesapeake Bay Landscape Professional Training
21	8/14/2018	JME	office	NA	NA	MS4	YBWA cleanup event follow-up tasks
22	8/13/2018	RLD	office	NA	NA	MS4	Annual Report
23	8/14/2018	RLD	office	NA	NA	MS4	Annual Report
24	8/20/2018	RLD	4725 Gettysburg Road	NA	NA	MS4	Investigated possible dumping of brush in stormwater swale and/or basin on U-haul property
25	8/22/2018	RLD	office	NA	NA	MS4	Annual Report
26	8/27/2018	RLD, RJA	1841 Brookview Drive	20140167	NA	MS4	BMP Final Inspection
27	8/27/18	RLD	Insepctions - Cumberland Park Neighborhood	NA	NA	MS4	Grass Clippings complaints
28	8/30/3018	RJA	1106 Carlilse Rd.	20170684	2017-03	MS4	Site final at Starbucks
29	8/31/3018	RJA	1106 Carlilse Rd.	20170684	2017-03	MS4	E-mailed contractor. Concrte wash at SW inlet
30	9/19/2018	JME	1845 Market St. CH	NA	NA	MS4	YBWA BOD meeting/annual meeting prep
31	9/20/2018	RLD	Annual Report	NA	NA	MS4	Submitted annual report to PADEP
32	9/27/2018	RLD	Pennboc MS4 Presentation	NA	NA	MS4	Provided MS4 training to members of PennBOC at their annual conference
33	10/1/2018	RLD	MS4 Training w/ Police Dept	NA	NA	MS4	MS4 Training with Police Department
34	10/2/2018	CED Dept.	MS4 Handout Discussion	NA	NA	MS4	Discussed newly created MS4 handout to be given with permit issuance if earth disturbance or concret work is involved with the project
35	10/3/2018	RJA	McCormick Rd. bridge	N/A		MS4	Photos taken of new MSF YBC IDDE channel and concrete washout.
36	10/3/2018	JME	office	NA	NA	MS4	Prepare and communicate instructions to UCC work group--job site reporting
37	10/3/2018	JME	conf. room	NA	NA	MS4	LAT staff meeting discussion re: stormwater authority issues
38	10/03/18	RJA	Wyndham Rd.	N/A			PAWC notified about mud clean up needed in ROW.
39	10/04/18	RLD	LATSA - Organizational meeting	NA	NA	MS4	1st Lower Allen Township Storwmater Authority Meeting - MS4 background presentation given
40	10/04/18	RLD	MS4 Training w/ Police Dept	NA	NA	MS4	MS4 Training with Police Department
41	10/08/18	JME	Gorgas Hall	NA	NA	MS4	attend BOC meeting presentation re: SWM fee study
42	10/08/18	RLD	Gorgas Hall	NA	NA	MS4	Attended BOC meeting presentation re: SWM fee study
43	10/09/18	RLD	MS4 Training w/ Police Dept	NA	NA	MS4	MS4 Training with Police Department
44	10/09/18	RJA	1325 and 1329 Yarmouth	20180283 and 4			E and S controls in place.

	A	B	C	D	E	F	G
45	10/09/18	JME	office	NA	NA	MS4	Receive and forward complaint re: SX collection basin
46	10/9/2018	RJA	1600 Lowell Ln.	N/A			Monitor down spouts at sidewalk
47	10/10/2018	RJA	3825 Hartzdale Dr.	20160612			BMP at parking area in place
48	10/10/2018	JME	office	NA	NA	MS4	Discuss SX SWM basin issues with R. Davis & R. Nailor
49	10/11/2018	RLD	Sheepford Crossing East SWM Basin	NA	NA	MS4	Forward pictures of SW Basin @ Sheepford to R. Nailor. Small sinkhole found and remediated.
50	10/11/2018	RLD	MS4 Training w/ Police Dept	NA	NA	MS4	MS4 Training with Police Department
51	10/19/2018	RLD & RJA	MS4 Outfall Meeting	NA	NA	MS4	Dertermined priority outfall areas for inspection
52	10/23/2018	RLD & RJA	Outfall Inspections	NA	NA	MS4	Outfall inspections - priority areas
53	11/1/2018	RLD	Spill - 700 Block of 21st Street	NA	NA	MS4	Investigated fuel spill at the 700 Block of 21st Street in Camp Hill. Diesel fuel spilled on the street. Absorbant was used to clen up the fuel. There were no releases to the MS4 system. Fuel was contained in the street.
54	11/1/2018	RLD	LATSA Meeting	NA	NA	MS4	Attended the LATSA Stormwater Authority meeting.
55	11/08/18	RLD	Spill - 7 Sussex Drive	NA	NA	MS4	Investigated complaint of oil leaking from a vehicle parked in front of 7 Sussex Drive, Camp Hill, PA 17011. Oil and staining was present on road. Vehicle was not there at the time of site visit. Coordinated with PSO to get picture of vehicle and locate the owners.
56	11/13/2018	RLD	Spill - 7 Sussex Drive	NA	NA	MS4	Sent letter to vehicle owner to repair the vehicle parking in front of 7 Sussex Drive.
57	11/15/18	RLD	NPDES Stormwater Training Webinar	NA	NA	MS4	5 hour Webinar on MS4 Regulations and correlation with the NPDES permitting requirements
58	11/20/18	RLD	E&S Complaint - 1310 Kingsley Drvie	NA	NA	MS4	Received complaint that mud was all over the road at 1310 Kingsley Drive. Owner is parking vehicles in front yard and dragging mud into the road. Site visit confirmed mud in the road. Letter sent to homeonwer.
59	11/21/18	JME	office	NA	NA	MS4	planning for YBWA annual membership meeting
60	11/21/2018	JME	office	NA	NA	MS4	recruiting attendance for YBWA annual meeting
61	11/21/2018	JME	office	NA	NA	MS4	YBWA web site development
62	11/26/2018	JME	Gorgas Hall	NA	NA	MS4	Promoted YBWA annual meeting
63	11/27/2018	JME	office	NA	NA	MS4	Promoted YBWA annual meeting
64	11/27/2018	JME	Field & Stream	NA	NA	MS4	posted YBWA annual meeting notices
65	11/27/2018	RLD	MS4 Training	NA	NA	MS4	Attended workshop showcasing financial plans developed for two local townships as well as additional financing strategies for the MS4 Program
66	11/30/2018	RLD	Site Visit - Bortek Property	NA	NA	MS4	Performed site visit behind the Bortek Property on Gettysburg Road. Found trash at the back of properties alon Cedar Run. Property Maintenance letters will be mailed.
67	12/3/2018	JME	office	NA	NA	MS4	prep for YBWA annual meeting
68	12/4/2018	JME	office	NA	NA	MS4	prep for YBWA annual meeting
69	12/4/2018	RLD	Meeting at PADEP - WQIP Grant meeting - Basins at Public Works and Sheepford Crossing	NA	NA	MS4	Meeting with Jacob Rokowsky and Jineen Boyle regarding the Mariner 2 Pipeline East Grants awarded to Lower Allen Township and grant paperwork reporting requirements.
70	12/5/2018	JME	various locations	NA	NA	MS4	prep and buy supplies for YBWA annual meeting
71	12/6/2018	RLD & TGV	CAPCOG meeting - MS4	NA	NA	MS4	Discussion of forming a joing appeals board for stormwater appeals to fee implementation
72	12/6/2018	JME	LACP	NA	NA	MS4	participate in/facilitate YBWA annual meeting
73	12/7/2018	JME	office	NA	NA	MS4	follow up tasks from YBWA annual meetting
74	12/6/2018	RLD	YBWA Meeting	NA	NA	MS4	Attended YBWA annual meeting. Spoke to the attendees about the importance of the YBWA orgainization to LATs MS4 Outreach and Education Efforts
75	12/6/2018	RLD	LATSA - Meeting	NA	NA	MS4	Attended the LATSA Stormwater Authority meeting.
76	12/12/2018	RLD	Township BMP Inspections	NA	NA	MS4	Performed Township BMP Inspections
77	12/13/2018	RLD	Meeting with Asraf Eleseaidy	NA	NA	MS4	Met with the owner of Tattiana's Restaurant on Gettysburg Road regading their permeable pavement and the BMP inspection letter that they received from the Township
78	12/18/2018	JME	Office	NA	NA	MS4	YBWA membership recruiting/mentoring
79	12/26/2018	RLD	Office	NA	NA	MS4	Discussion with David Reisman regarding cleaning up trash and debris in the Cedar Run in the rear yard of his property

	A	B	C	D	E	F	G
80	12/28/2018	RLD/TGV	Site Visit - 1909 Sheepford Road	NA	NA	MS4	Significant mud on road. NOV will be sent on 12/31/2018.
81	1/16/2019	JME	Camp Hill	NA	NA	MS4	YBWA Board meeting--plan 2019 education/outreach/events
82	1/24/2019	RLD	Office - EOC	NA	NA	MS4	Fire Company MS4 Training
83	2/22/2019	RLD	Deacon Industrial	NA	NA	MS4	BMP Inspection at Deacon Industrial - 2410 Gettysburg Road
84	3/5/2019	RLD	DEP Stormwater Training	NA	NA	MS4	DEP Stormwater Training held at SRBC in Harrisburg. Weathering the storm
85	3/20/2019	JME	YBWA Boad meeting	NA	NA	MS4	Plan 2019 activities, prepare for Trout Day event
86	3/30/2019	JME	YBWA	NA	NA	MS4	Work Trout Day Event and lead creekside/roadside cleanup
87	4/8/2019	RLD	BOC Meeting	NA	NA	MS4	Annual Presentation at the BOC meeting - MS4 Updates
88	4/8/2019	WY	Site Inspection	NA	NA	MS4	Site visit in Arcona - documented proper use of Concrete Washout Pit by contractor
89	4/17/2019	RLD	Good Housekeeping Presentation	NA	NA	MS4	Gave Good Housekeeping presentation in the EOC to Public Works Staff
90	4/18/2019	JME	office	NA	NA	MS4	Provide YBWA display materials for Earth Day event
91	4/18/2019	RLD	Office	NA	NA	MS4	Provide MS4 Pamphlets for outreach at Mechanicsburg Earth Day Event
92	5/1/2019	DY	Arcona	NA	NA	MS4	Observation of incorrect usage of concrete washout pit
93	5/2/2019	DY	Arcona	NA	NA	MS4	Discussions with contractor at Arcona - concrete washout pit being used properly
94	5/2/2019	RLD	Sheraton Harrisburg/Hershey	NA	NA	MS4	Tri-County PC annual luncheon - presenation on Stormwater Manangement and MS4
95	5/7/2019	RLD	Gettysburg Road - Bortek	NA	NA	MS4	Site Visit - Stormwater Complaint - flooding
96	5/8/2019	RLD/RJA	Outfall Inspections	NA	NA	MS4	Performed outfall inspections along McCormick Road - Yellow Breeches Creek
97	5/13/2019	JME	office	NA	NA	MS4	YBWA cleanup event planning
98	6/17/2019	RLD	Site Visit - 1609 Cobble Court	NA	NA	SWM	Site visit to confirm stormwater ordinance violation. Downspout piping along sidewalk into Beacon Hill Boulevard.
99	6/20/2019	JME	YBWA office	NA	NA	MS4	YBWA board meeting-plan outreach & cleanup
100	6/24/2019	RLD/RJA	Outfall Inspections	NA	NA	MS4	Performed outfall inpsections along Lisburn Road, Raven Hill Road, and Brookview Estates
101	6/25/2019	JME	Yellow Breeches Creek	NA	NA	MS4	Scout creek for upcoming cleanup
102	6/28/2019	RLD/RJA	Outfall Inspections	NA	NA	MS4	Performed outfall inspections along Sheepfor Road and Ward Lane.
103	6/28/2019	RLD/WJY	Grass Clipping Complaint	NA	NA	MS4	Investigated grass clipping complaint on Lindle Avenue. Complaint confirmed violation and letter mailed to owner.
104	6/28/2019	JME	office	NA	NA	MS4	YBWA cleanup preparation and publicity tasks

LOWER ALLEN TOWNSHIP
MS4 TRAINING PROGRAM
April 17, 2019 10:00 AM

NPDES PAG-13 MS4 General Permit
Good Housekeeping/Pollution Prevention Training
Preparedness, Prevention and Contingency (PPC) Plan Training

I. NPDES Phase 2 MS4 Permit Good Housekeeping/Pollution Prevention Training

1. Review of Lower Allen Township Training Focus from previous years:
    a. Center for Watershed Protection (CWP), Manual 9, Municipal Pollution Prevention/Good Housekeeping Practices
        i. 2011 MO-1: Hotspot Facility Management
        ii. 2012 MO-3: Street Repair and Maintenance
        iii. 2013 MO-4: Street Sweeping
        iv. 2014 MO-5: Storm Drain Maintenance
        v. 2015 MO-7: Park and Landscape Maintenance
        vi. 2016 MO-8: Residential Stewardship
    b. Lancaster Inter-Municipal Committee Good Housekeeping Guidance and BMP Manual, GH-21
        i. 2017 Outdoor Storage of Material
    c. Lower Allen Township Good Housekeeping Training
        i. 2018 Signs and Labels for Good Housekeeping Compliance
2. 2019 Training Focus:
    a. Lower Allen Township PowerPoint Presentation
        i. MS4 Background
        ii. Changes to the NPDES MS4 PAG-13 General Permit
        iii. Common Stormwater Pollutants
        iv. Facility Inventory and Activities
        v. Good Housekeeping Best Management Practices

II. Preparedness, Prevention and Contingency (PPC) Plan Training

1. Spill Leak Prevention and Response

a. Pre-Release Planning: Potential sources for accidental spills, leaks or leaching are described as follows:
    i. Vehicle fueling facility. All fuel is stored in permitted underground tanks. Vehicles are fueled at a covered facility. This facility is in an area that drains to the stormwater detention basin. Any spill in this area would flow into the basin.
    ii. Non-reusable waste oil is stored in an underground waste oil tank outside the maintenance building. Any spill inside the building would pass through the building's oil separator with flow control.
    iii. Salt. Road deicing salt is stored in a covered building. Loading operations occur in the area immediately in front of the building. Runoff in this area drains into a stormwater detention basin that has no discharge. Stormwater is slowly infiltrated into the groundwater, allowing salt to settle out and remain in the basin.
b. Material Compatibility: None of the onsite materials are known to adversely react with each other.

c. Inspection and Monitoring Program:
    i. Routine general inspections of the site occur on a daily basis.
    ii. The underground fuel storage tanks are equipped with monitoring devices, and an alarm system is automatically activated. Inspections are conducted in accordance with the underground storage tank permit.
    iii. Fuel dispensing equipment is inspected for proper operation.

d. Preventive Maintenance:
    i. All vehicles and equipment that operate from the site are inspected and maintained through a preventive maintenance program run by the Township's Fleet Management division.
e. Housekeeping Program:
    i. Materials other than those bulk materials previously listed are stored securely and neatly within the maintenance building.
    ii. A conscious effort is made by all employees to handle materials with care to prevent spillage.
    iii. In the event that an accidental spill or leak does occur, employees are advised to implement proper cleanup procedures as soon as possible with proper absorbent materials and disposed of properly.
f. Security:
    i. Equipment is stored within the locked maintenance building during non-working hours.
    ii. A locked gate secures the yard waste recycling storage and processing area during non-working hours.
g. External Factor Planning:
    i. All materials are stored in such a manner that external factors such as power outages, storms, etc. would not cause a spill or leak.
h. Employee Training Program:
    i. The Township Public Works department has a Safety Manual. All employees that work on site are trained in the safe performance of their work, in accordance with the Manual.
    ii. Safety Meetings are periodically conducted with all Public Works employees to provide detailed training regarding specific operations.

2. Countermeasures

a. Countermeasures to be Undertaken
    i. In the event of an incident, employees will utilize the County 911 system to summon appropriate assistance.
    ii. The Township has in place an All Hazards Emergency Response Plan. This plan will be activated through the Township Emergency Operations center on an as-needed basis.
    iii. The All Hazards plan contains resource lists and contact information for resources that may be needed in the event of an incident at the facility.
b. Communications and Alarm Systems
    i. Employees maintain contact through the use of mobile and portable two-way radios. Notification of an emergency can be made to all employees using these radios.
c. Evacuation Plan
    i. Emergency exit plans are posted throughout the maintenance building in accordance with the International Fire Code.
d. Emergency Equipment Available for Response
    i. Portable fire extinguishers are located throughout the maintenance building, in accordance with the International Fire Code.
    ii. Additional response equipment is available from the Public Safety Department, upon notification that such services are required.

ATTACHMENT #21

ILLICIT DISCHARGE INVESTIGATIONS

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

November 20, 2018

Timothy Bennett
Karra Hoover
1310 Kingsley Road
Camp Hill, PA 17011

RE: Vehicle Parking in grass
Mud on Kingsley Road
Tax Parcel No. 13-23-0545-172

Dear Mr. Bennett and Ms. Hoover,

I am writing to you concerning the vehicles that you are parking in the front yard (grass) of your property located at 1310 Kingsley Road, Camp Hill, PA 17011, in Lower Allen Township.

The vehicles have left mud and staining on Kingsley Road. The attached pictures illustrate this. The mud residue will eventually wash down Kingsley Road during a rain event and make it into the Township's Stormwater System through an inlet. These actions 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.

The Lower Allen Township Stormwater Management Ordinance Chapter 184, Section 37.B, states: *"Discharges to the municipality's separate storm sewer system or to waters of the commonwealth which are not composed entirely of stormwater shall be prohibited."*

You are hereby ordered to clean up the mud and sediment deposits and discontinue parking vehicles in the grass IMMEDIATELY **UPON RECEIPT OF THIS LETTER!** Such actions not only represent violations of the Lower Allen Township Stormwater Ordinance but also endanger the residents of our community and the health of the receiving stream.

This is the only notice you will receive regarding this matter. If these discharges are not eliminated, we will follow this letter with a formal Notice of Violation. Any one violating provisions of the Lower Allen Township Stormwater Ordinance shall be guilty of a summary offense and, and upon conviction, shall be subject to a fine of not more than $500 for each violation, plus court costs and attorney fees. Each day that the violation continues shall be a separate offense.

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

Thank you in advance for your attention to this matter.

Sincerely,

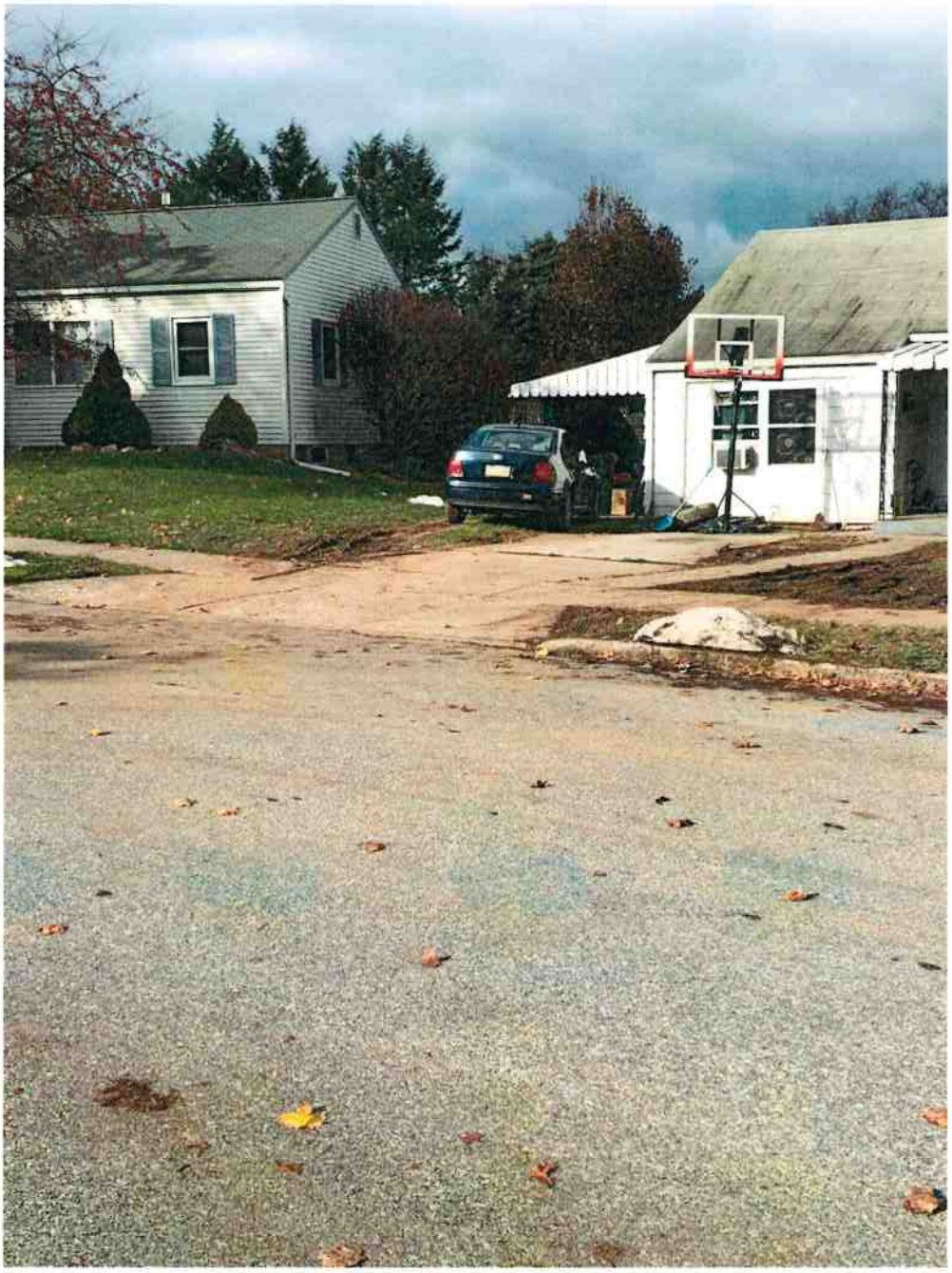
Rebecca L. Davis
Township MS4 Coordinator

cc: Corisa Mihoerck, Complaints Coordinator
MS4 File

Picture #1 – Vehicle ruts in grass located at 1310 Kingsley Road



Picture #2 – Mud deposits on Kingsley Road. Vehicle parking in mud.



LOWER ALLEN TOWNSHIP

2233 Gettysburg Road

Camp Hill, Pa 17011

717.975.7575

VIOLATION NOTICE

Date: May 13, 2019

Violator: Brandon R. or Cavil Sybil Anderson

Address: 1609 Cobble Court, New Cumberland, Pa 17070

Premises in Violation: 1609 Cobble Court, Lower Allen Township, Cumberland County

Violations: Codified Ordinance 184 - Stormwater Management Ordinance

You are hereby notified as the owner, tenant, operator, contractor, or agent, that the property specified above is being maintained in violation of the Lower Allen Township Ordinances. You are hereby directed to correct and/or abate this (these) violation (s) as stated herein, within the time limits contained in this notice.

ORDER TO COMPLY: ***IT IS YOUR RESPONSIBILITY*** to notify Lower Allen Township Department when all corrections have been completed so that a re-inspection may be made; otherwise, this office will act on the basis that the work has not been completed.

FAILURE TO COMPLY: Failure to comply with this notice will subject you to the "Penalties" provided in the Ordinances of Lower Allen Township. Penalties can be as high as $1,000.00 per day per violation.

Any person, persons, firm, corporation, or association aggrieved by the issuance of any notice, order, or action of the Township Codes Officer may appeal to the Board of Appeals, in writing, within TWENTY (20) days of being served notice, action, or order in accordance with the procedure prescribed by the Board of Appeals having jurisdiction for the particular code violation (s).

IF YOU ARE NOT RESPONSIBLE for compliance regarding this matter, please return this notice, within 48 hours with the following information:

Name of Deeded Owner Address of Deeded Owner Phone Number

Note: If this property is sold, the violation notice must be conveyed to the new owner before the property is transferred.

WJ Yeagley

William J. Yeagley, Code Compliance Coordinator/Fire Inspector

LOWER ALLEN TOWNSHIP

2233 Gettysburg Road
Camp Hill, Pa 17011
717.975.7575

VIOLATION NOTICE

CODE:

Codified Ordinance – Chapter 184 – Stormwater Management Ordinance

DESCRIPTION:

184-17.G.13. A & B

G. General storm drainage facility design requirements:

13 Stormwater roof drains, sump pump discharge drains and other stormwater drainage facilities or groundwater discharges shall not:

(a) Discharge directly over a sidewalk.

(b) Discharge within five feet of any lot line.

INSPECTOR COMMENTS:

Corrective action – move stormwater roof drains a minimum of five (5') feet from the lot line. Discontinue discharging directly over the sidewalk along Beacon Hill Boulevard. An energy dissipater (such as rock) may be required to slow velocity of stormwater water to avoid erosion due to slope of discharge area.

Time limit for compliance, 10 days from receipt of this legal notice.

§ 184-46. Violations and penalties; enforcement remedies.

A. Any one violating the provisions of this chapter shall be guilty of a summary offense and, upon conviction, shall be subject to a fine of not more than $500 for each violation, plus court costs and attorney fees. Each day that the violation continues shall be a separate offense.

B. In addition, the municipality, through its solicitor, may institute injunctive, mandamus or any other appropriate action or proceeding at law or in equity for the enforcement of this chapter. Any court of competent jurisdiction shall have the right to issue restraining orders, temporary or permanent injunctions, mandamus or other appropriate forms of remedy or relief.

§ 184-47. Appeals.

A. 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.

B. Any person aggrieved by any decision of the municipality, relevant to the above appeal of this chapter, may appeal to the Cumberland County Court of Common Pleas within 30 days of the municipality's decision.

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

June 28, 2019

Tanner Allen
1131 Laurel Avenue
Camp Hill, PA 17011

Re: Grass Clippings in Laurel Avenue – **FINAL NOTICE**
1131 Laurel Avenue, Tax ID #13-24-0799-234

Dear Mr. Allen:

On June 28, 2019, Lower Allen Township received a complaint regarding your property. Personnel from the Township verified that grass clippings from your residence were being mulched directly into Laurel Avenue. These actions 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.

The Lower Allen Township Stormwater Management Ordinance Chapter 184, Section 37.B, states *"Discharges to the municipality's separate storm sewer system or to waters of the commonwealth which are not composed entirely of stormwater shall be prohibited."*

You are hereby ordered to terminate such discharges **IMMEDIATELY UPON RECEIPT OF THIS LETTER!** Such actions not only represent violations of the Lower Allen Township Stormwater Ordinance but also endanger the residents of our community and the health of the receiving stream.

This is the last notice you will receive regarding this matter. If these discharges are not eliminated, we will follow this letter with a formal Notice of Violation. Anyone violating provisions of the Lower Allen Township Stormwater Ordinance shall be guilty of a summary offense and, and upon conviction, shall be subject to a fine of not more than $500 for each violation, plus court costs and attorney fees. Each day that the violation continues shall be a separate offense.

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
Township MS4 Coordinator

Preventing Stormwater Pollution
What We Can Do

Recognizing and Reporting Illicit Discharges & Spill Clean Up



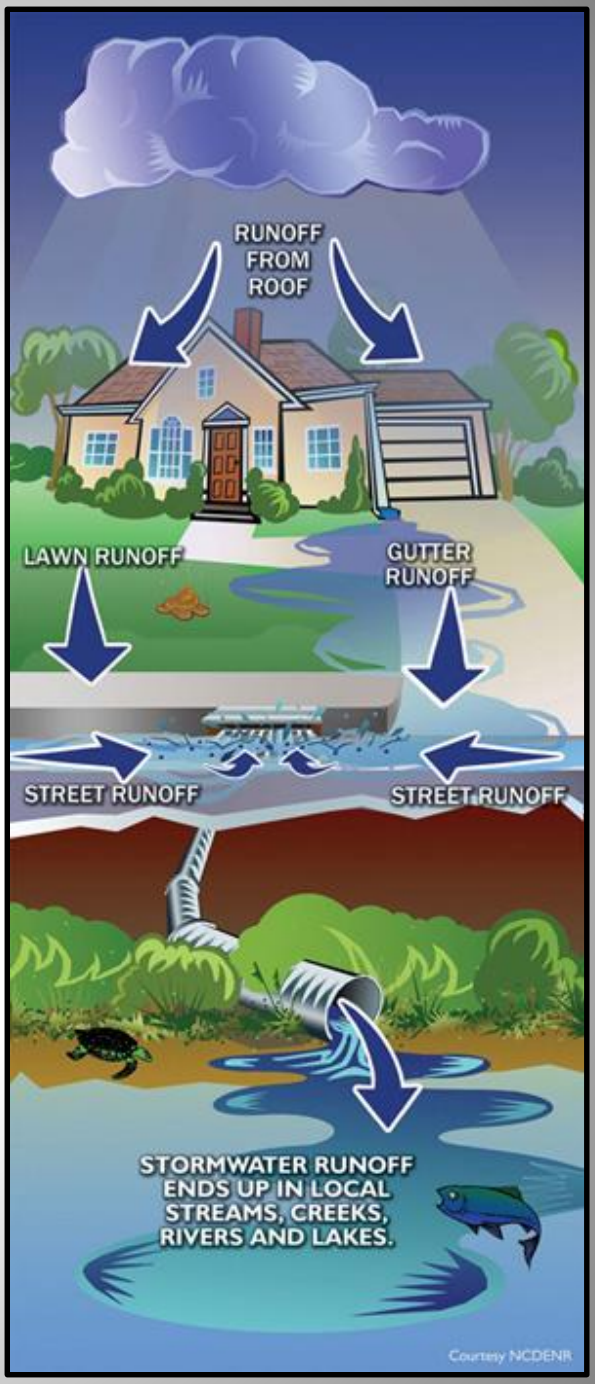
Training Goals

- Understand the terms “stormwater” and “illicit discharge”
- Understand why these terms are important and why you should care
- Understand what you can do to help prevent stormwater pollution
- Understand how to recognize and report illicit discharges (pollution)
- Understand spill clean up procedures



What is Stormwater?

- When it rains, water that does not soak into the ground becomes runoff
- This runoff can enter a storm sewer system which ends up in local streams, creeks, rivers, and lakes



Why is Stormwater Runoff Important?

- Stormwater runoff can pick up debris, chemicals, dirt, and other pollutants
- Stormwater runoff is **NOT** treated before it is discharged into local streams, creeks, rivers, and lakes



What is an Illicit Discharge?

- Any discharge to the storm sewer system that is not composed entirely of stormwater
- Exceptions include (Chapter 184-37.C)
  - De-Chlorinated waterline and fire hydrant flushing
  - Irrigation Drainage
  - Air-conditioning condensate
  - Springs
  - Water from crawl space or basement sump pumps
  - Lawn watering
  - Foundation and footing drains
  - Pavement wash waters where spills or leaks of toxic materials have not occurred
  - Uncontaminated groundwater
  - Water from crawl space pumps
  - Flows from wetlands and riparian habitats
  - Dechlorinated swimming pool discharges
  - Street wash water
  - Discharges or flows from fire fighting activities

Why are Illicit Discharges Important?

- Illicit discharges often include pathogens, nutrients, toxic pollutants, etc.
- Illicit discharges = pollution
- Anything that enters a storm sewer system flows untreated to a local waterway





Why Should You Care?

- We use local waterways for swimming, fishing, boating, and as a source of drinking water
- Lower Allen Township is required to prevent pollutants from entering the storm sewer system







What Can You Do?

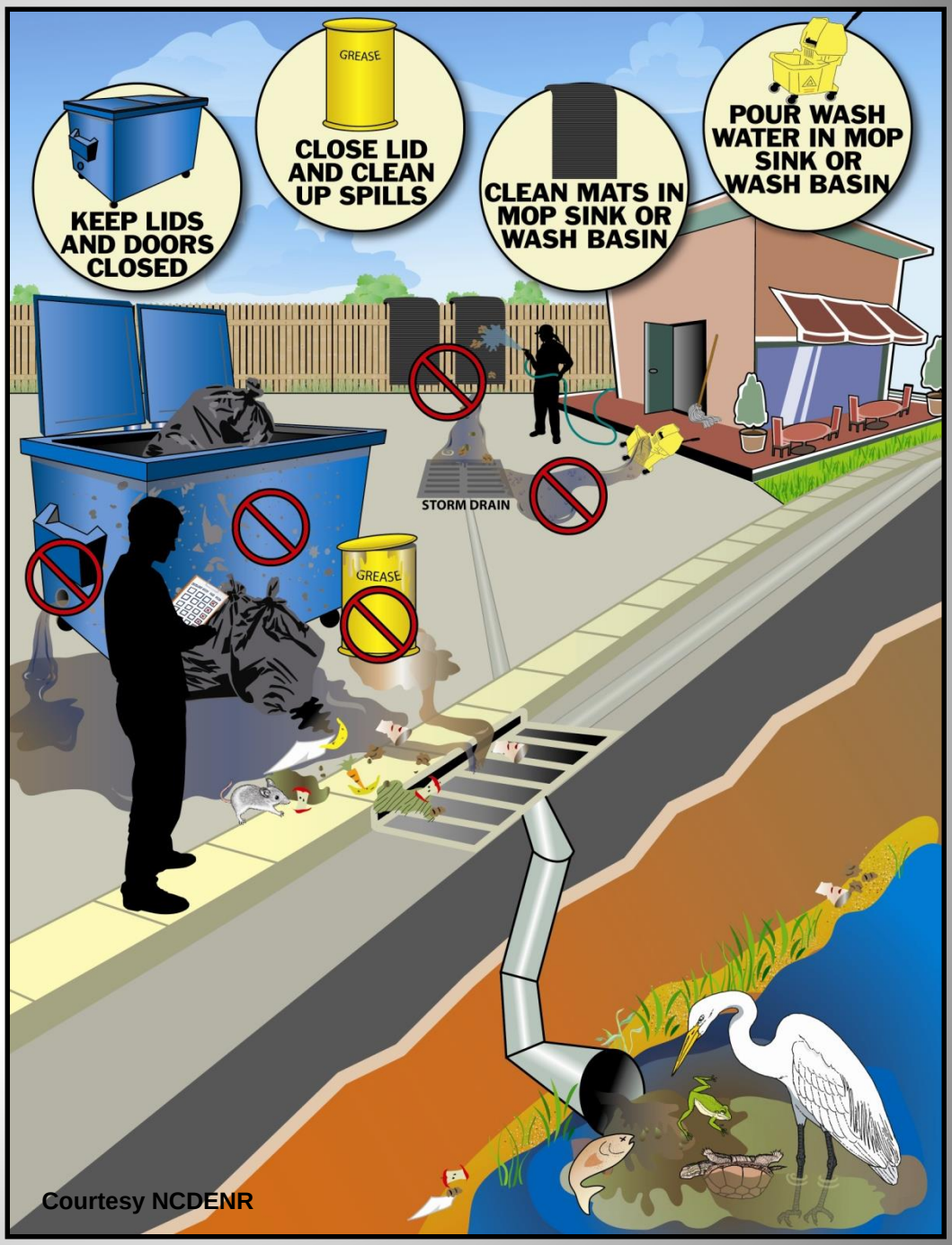
- Employees can help prevent stormwater pollution by:
  - Preventing pollutants from being dumped or spilled into the storm sewer system (this includes driveways, sidewalks, streets, storm drains)



  - Reporting pollution or questionable discharges to the storm sewer system or local waterways to the MS4 Coordinator

Preventing Pollution

- Store and handle materials safely
- Clean up spills properly
- Never dump or wash out items down or near a storm drain



SPILL RESPONSE KIT USAGE PROCEDURE

FOR ALL LAND BASED SPILLS

WHEN A LIQUID SPILL OCCURS:

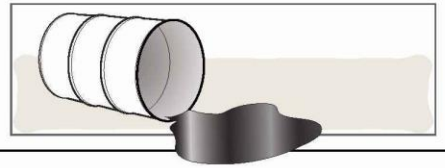
- **If there is a fire or medical attention is needed, contact your supervisor or call public safety at 911. Warn all people nearby and evacuate area as necessary.**
- **Evaluate the toxicity, flammability and other hazardous properties of the liquid from a safe distance. If spill is flammable or volatile, IMMEDIATELY warn everyone, control all potential ignition sources and ventilate the area.**
- **Stop the spill at the source *(repair leaks, turn off source, plug or patch source).***
- **Follow procedures below to contain and clean up the spilled liquid. Use the proper level of Personal Protection Equipment (PPE) based on the characteristic of the liquid that has been spilled.**

Only properly trained and certified individuals should attempt the cleanup of hazardous, volatile, toxic or unknown liquids.

STEP 1

Identify spilled liquid and verify compatibility of spill clean up material with the liquid.

WYK Universal Spill Kits are safe to use on all liquids except (HF). Do not use if liquid is or contains (HF) hydrofluoric acid.

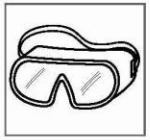


STEP 2

Open spill kit and put on appropriate Personal Protective Equipment (PPE) before proceeding.

At a minimum you must use chemical resistant gloves and goggles.



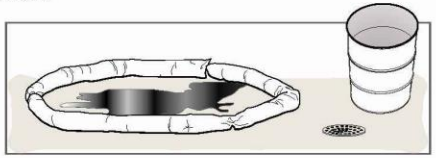




STEP 3

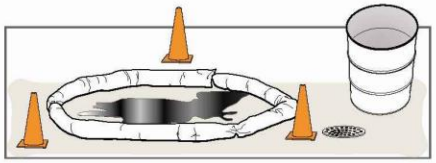
Immediately place socks around the spill to contain the liquid from spreading.

Liquids must be prevented from entering floor drains or sewers.



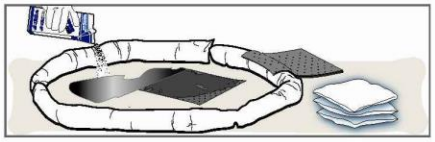
STEP 4

Cordon off spill area to prevent guest or other employees from slipping on the liquids.



STEP 5

Cover the spill with sorbent pads, pillows and/or ***Super Sorbent*** particulate to reduce vapors and soak up the liquid.



STEP 6

Remove saturated sorbent media and place in temporary disposal bags and label.

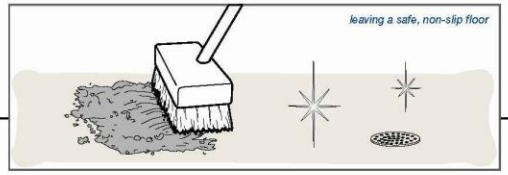
If liquid remains, place new pads or pillows on the spill to soak up any remaining liquids. Place all pads, pillows and containment socks into temporary disposal bags provided.



STEP 7

Re-cover spill area with ***Safety Sorbent*** and work in with stiff broom.

Sweep up ***Safety Sorbent*** and place in temporary disposal bags. Repeat this procedure if floor surface is wet or damp. Floor should be completely dry when clean up is finished. Remove PPE and place in disposal bags



Immediately replace used spill kit with a new one or refill used container for future emergency use.

Used materials and saturated sorbents must be disposed of in accordance with local, state and Federal regulations.

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SPILLRESPONSECLEAN-UPCONTAINMENT

When to call 911

- If a spill is too large to be contained or cleaned up or there are hazardous materials, do not attempt to clean the spill yourself.
- Call 911 to report the spill to our local police, fire company or hazardous materials personnel.
- Those groups are trained in handling hazardous materials properly and will clean up the spill and document it.

Reporting Pollution

- If you see questionable discharges entering the storm sewer system or someone dumping something down the storm drain, report it to the MS4 Coordinator





Examples of What to Report

Pollution Entering the Storm Sewer System



Dirty water in the street



Wash out of solids/liquids



Unusually colored discharges

Tetra Tech



Liquids dumped down a storm drain



Leaks



Solids blown or swept in the street or down a storm drain

Reporting Pollution

- If you see warning signs of pollution coming out of a pipe or in a local waterway, report it
- Warning signs may include the presence of unusual:
  - Color
  - Odor
  - Turbidity
  - Floatable liquids and solids
  - Etc.





Examples of What to Report

Unusual Water Color



Pea-green/
bright green

Milky gray-black



Milky white





Tan to light
brown

Dark red, purple, blue, black



Examples of What to Report

Unusual Odor

- Some odors are an immediate indicator of pollution
- Sewage, gasoline, and chemical odors should be reported

Odor	Causes
Rotten eggs/hydrogen sulfide	Raw sewage, decomposing organic matter, lack of oxygen
Sharp, pungent odor	Chemicals or pesticides
Gasoline, petroleum	Industrial discharge, illegal dumping of wastes, waste water

Examples of What to Report

Highly Turbid Water



Construction site discharge

Discharge of rinse from floor sanding





Unknown brown turbid discharge

Sewage discharge



Examples of What to Report

Floatables in the Water



Leaves and grass clippings

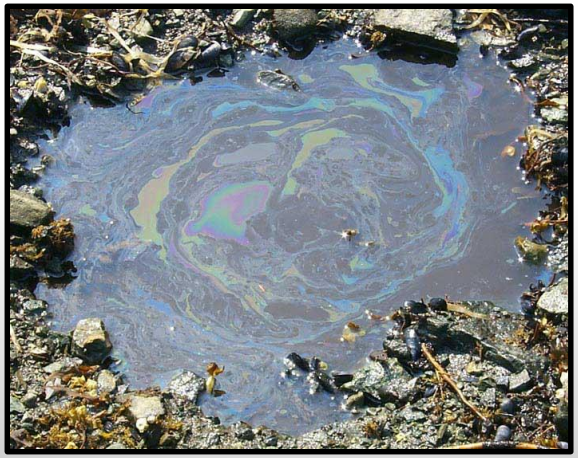
Trash and debris



Sewage fungus



Oil sheen



Suds



How to Report

- Inform the MS4 Coordinator
- If you are able, please include the following information:
  - Specific location
  - Date and time
  - Description of the pollution
  - Description of the violator, e.g. license plate #, personal description (if applicable)

  - Take a picture if you can

Lower Allen Township

MS4 Stormwater Program

Illicit Discharge Reporting Form

Date:_____

Name:_____

Email:_____

Phone:_____

What type of incident do you wish to report? (Circle all that apply)

Dumping down a storm drain
Suspicious Discharge from a pipe into a stream
Unusual Color of Water in a Stream
Strange Smells in Stream
Suspicious Suds or other Substances Floating on Water
Death of Aquatic Creatures

Where did the incident take place?
Address (if applicable):_____
Name of Street:_____
Name of Closest Cross Street:_____
Name of Body of Water Impacted:_____

Date of Incident:_____
Time of Incident:_____

Send this form along with any additional information and photographs to:

Lower Allen Township
MS4 Coordinator, Rebecca Davis
2323 Gettysburg Road
Camp Hill, PA 17011
PH: 717-975-7575 Ext. 1010
rdavis@latwp.org

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

October 8, 2018

Re: Grass Clippings in Street
Windsor Park

Dear Resident:

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents are conscientious about keeping the clippings out of the street, others continue to ignore this. Recent site inspections by Township staff have validated grass clippings in the street throughout the Windsor Park neighborhood. 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.

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 and Property Maintenance 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.

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
Township MS4 Coordinator

Cc: Daniel J. Flint, P.E., NSPE, Township Engineer/Public Works Director

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

October 8, 2018

Re: Grass Clippings in Street
Rossmoyne Manor

Dear Resident:

Grass clippings being discharged or blown into the street continues to be a big problem in the Township. While most residents are conscientious about keeping the clippings out of the street, others continue to ignore this. Recent site inspections by Township staff have validated grass clippings in the street throughout the Rossmoyne Manor neighborhood. 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.

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 and Property Maintenance 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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Sincerely,

Rebecca L. Davis
Township MS4 Coordinator

Cc: Daniel J. Flint, P.E., NSPE, Township Engineer/Public Works Director

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

December 7, 2018

Hunter's Ridge Homeowners' Association
1744 Josiah Chowning Way
New Cumberland, PA 17070
Attn: Shannon Danley, President

Dear Ms. Danley,

Lower Allen Township has recently received complaints regarding the Hunter's Ridge development and excess leaves accumulating throughout the development. We wanted to contact you to inform you of the environmental damage leaves can cause if they end up in the street and wash into stormwater inlets.

Stormwater inlets are infrastructure designed to drain excess rain and ground water from impervious surfaces such as paved streets, sidewalks, roofs, and parking lots. Lower Allen Township's stormwater inlets carry stormwater directly to creeks and streams in the Township. The stormwater is untreated when it enters the creeks and streams. When excess leaves end up in the street, several negative impacts can occur. The stormwater inlet grates can become clogged and cause stormwater to back up into the streets and cause flooding. In addition, the leaves enter the stormwater system and can clog piping underground and cause stormwater to back up into the street. Lastly, when leaves fall, they decompose and restock the soil with nutrients and organic matter. Unfortunately, when leaves end up in the street or sidewalks, all of their decomposing matter washes down the street and into the stormwater inlets. The leaf matter is carried directly to creeks and streams where the nutrients will feed unwanted algae growth. Algae will bloom in the water and when it decomposes, it consumes all the oxygen that fish, and native plants, need to survive.

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.

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
MS4 Coordinator

cc: Thomas G. Vernau Jr., Township Manager
Corisa Mihoerck, Complaints Coordinator

LOWER ALLEN TOWNSHIP
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

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**
MS4 Coordinator

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

DATE: **8/31/2018**

SUBJECT: Possible Contaminated Soil placed in LAT – 2010 State Road, Camp Hill

On August 30, 2018, Lower Allen Township received a report of soil being stockpiled at 2010 State Road, Camp Hill, PA, on the Smith Land & Improvement vacant property that was possibly contaminated with petroleum. I reached out to the contracting company, Pyramid Construction – Ralph Klinepeter, who stated that the soil was already moved from a site in Camp Hill Borough and that they were going to have the soil tested for petroleum. I asked if the area where the soil was stockpiled was secured and if PADEP was contacted regarding the proper handling of the soil. Mr. Klinepeter said the soil was secure and PADEP was being consulted.

I called PADEP after the discussions with Pyramid Construction to verify the proper procedures for contaminated soil due to the proximity of the site to an unnamed tributary to Cedar Run and the Township's MS4 permit. I left a message in the Solid Waste Department. I received a phone

call back from Derek Bartram the next day. from PADEP, who stated that fill that could possibly be contaminated may not be moved to another site from where is was excavated without having permits and proper containment procedures in place.
Derek asked for pictures of the site. I explained to Derek that the site where the fill was placed was not secured and that the fill was not properly covered, silt sock was not staked in, and the site was not stabilized. I also expressed my concern that an unnamed tributary to Cedar Run Creek was less than 150 feet away from the located of the soil stockpile and potential contaminants entering the stream. Heavy rains were predicted for later that afternoon. I emailed a site location map and pictures to Derek at DEP.

Derek called me after reviewing the documentation that I sent over to him and stated that a DEP representative would be going to the site that day. I requested to be copied on all communication with the land owner regarding the next steps to be taken regarding enforcement.

Derek called me at the end of the day and stated that a DEP representative was at the site and met with the contractor. They are ensuring the proper E&S controls are in place, and that the soil is wrapped and contained, and will be making continued visits to the site. Lower Allen Township will be copied on any correspondence between PADEP and the landowner.

Location Map of the Site



Topsoil stockpile partially covered and not stabilized.



Soil covering parking lot. Stream located to the rear of the parking lot.



Silt Sock placement – not staked in place



Topsoil pile partially covered – not secured.



LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

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**
MS4 Coordinator

DATE: **11/1/2018**

SUBJECT: Spill Report Documentation – 700 Block of S. 21st Street, Camp Hill

A report of a spill occurring at the 700 block of S. 21st Street, Camp Hill, PA 17011 was called into the Township on Thursday November 1, 2018. The location was the 700 block of S. 21st Street, Camp Hill, PA 17011. A pick-up truck was parked at the dead end of S. 21st Street. The truck's hood was propped open and tools were laying inside the hood. The vehicle leaked fuel oil and transmission fluid on the street. The owner was not at the site, but a neighbor came over and stated that the truck broke down and the owner was intending on cleaning up the spill and removing the vehicle. Bryce Landis, Lower Allen Township PSO, and Bryan Dunbar, Lower Allen Township CSO, met me at the site to apply absorbent to soak up the spill. There were several areas of fuel that had begun to evaporate from the road. There are no storm inlets on S. 21st Street. There are covered storm manholes along S. 21st Street. There was not a release to the MS4 system from this spill.

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**
MS4 Coordinator

DATE: **11/1/2018**

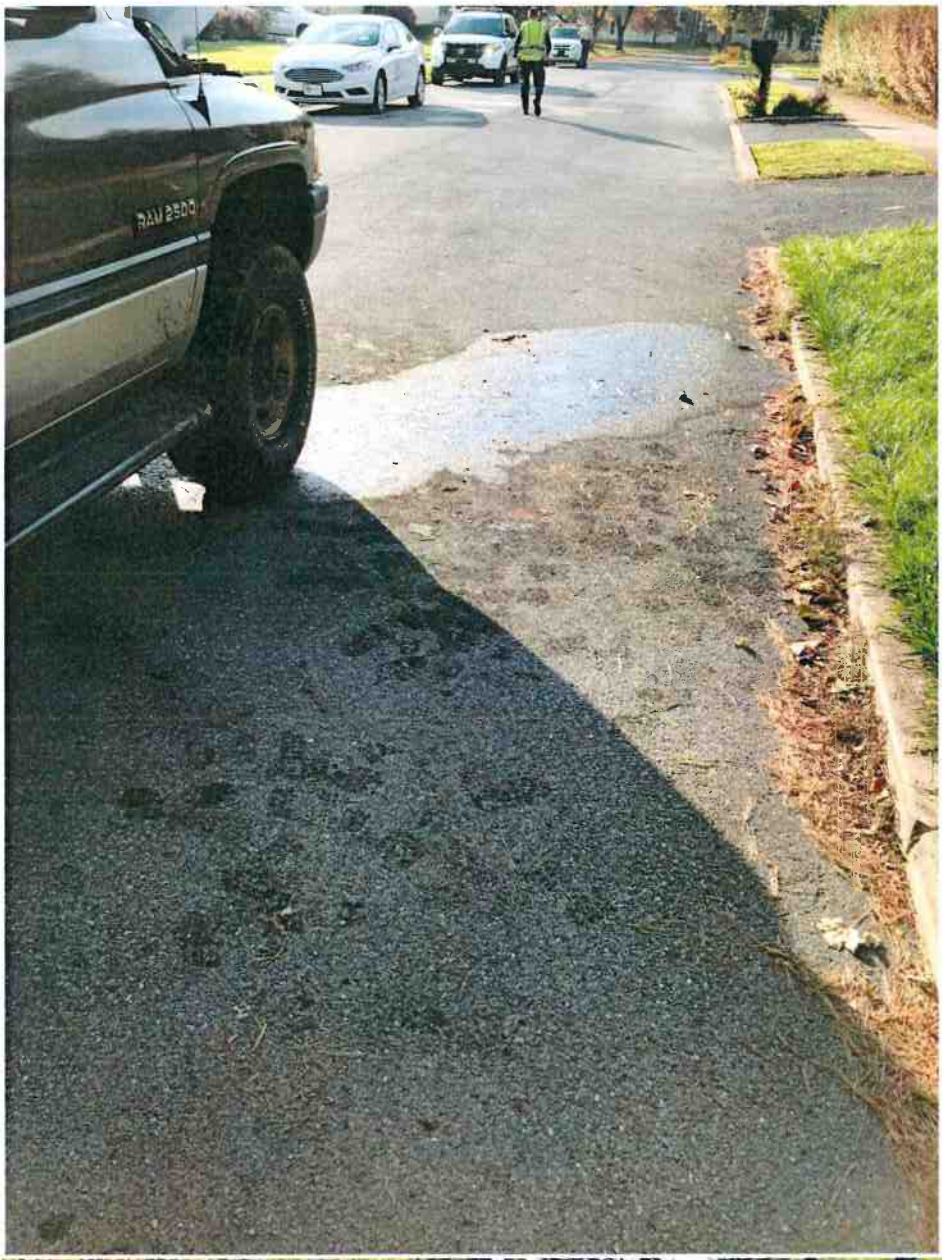
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A return visit was made later that day to confirm that the absorbent was swept up and that the truck was towed.

Pictures of the site are attached to this memorandum.

Fuel leaking from pickup truck at dead end of S. 21st Street



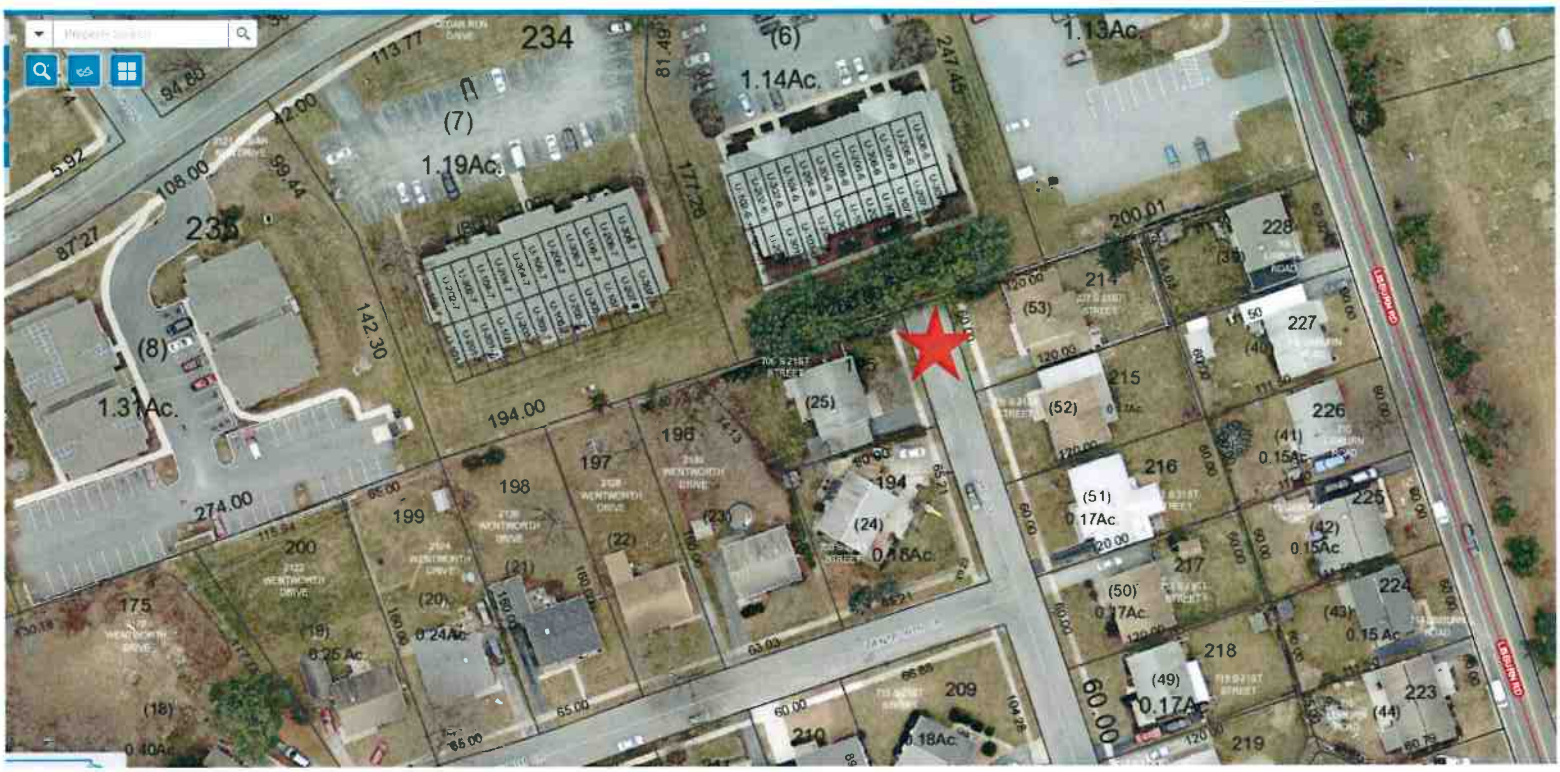


Pick up truck at the end of S. 21st Street. Fuel on the road.



Fuel on S. 21st Street.

Site Location



LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

November 13, 2018

Barbara Myers
Elizabeth Hildebrand
730 Easy Road
Carlisle, PA 17013

RE: Vehicle Parking on Sussex Road
Required Vehicle Maintenance – Leaking Oil

Dear Ms. Myers and Ms. Hildebrand,

I am writing to you concerning a beige Toyota Camry Sedan with license plate number **KSN-8865** that is co-registered in your names. The vehicle is parking in front of the property located at 7 Sussex Road, Camp Hill, PA 17011, in Lower Allen Township.

The vehicle is leaking oil and has left significant oil residues and staining on Sussex Road. The attached pictures illustrate this. The leaking oil residue will eventually wash down Sussex Road during a rain event and make it into the Township's Stormwater System through an inlet. These actions 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.

The Lower Allen Township Stormwater Management Ordinance Chapter 184, Section 37.B, states: *"Discharges to the municipality's separate storm sewer system or to waters of the commonwealth which are not composed entirely of stormwater shall be prohibited."*

You are hereby ordered to terminate such discharges **IMMEDIATELY UPON RECEIPT OF THIS LETTER!** Such actions not only represent violations of the Lower Allen Township Stormwater Ordinance but also endanger the residents of our community and the health of the receiving stream.

This is the only notice you will receive regarding this matter. If these discharges are not eliminated, we will follow this letter with a formal Notice of Violation. Any one violating provisions of the Lower Allen Township Stormwater Ordinance shall be guilty of a summary offense and, and upon conviction, shall be subject to a fine of not more than $500 for each violation, plus court costs and attorney fees. Each day that the violation continues shall be a separate offense.

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

Thank you in advance for your attention to this matter.

Sincerely,

Rebecca L. Davis
Township MS4 Coordinator

cc: Corisa Mihoerck, Complaints Coordinator
MS4 File

Picture #1 – Vehicle parking in front of 7 Sussex Road



Picture #2 – Vehicle in front of 7 Sussex Road



Picture #3 – Oil stains on road – 7 Sussex – after vehicle drove away.



Picture #4 – Close up pictures of oil on road – 7 Sussex.



ATTACHMENT #22

PRIORITY OUTFALL INSPECTIONS & PHOTOGRAPHS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **10/23/2018**	Outfall ID No.: **CR 5.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☐ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 13' 10.7"
	Longitude: 76° 55' 56.6"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **10/21/18**
	Amount of Previous Precipitation: **0.08** in
Inspector Name(s): **Rebecca Davis & Raymond Allen**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☒ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: **54** in	☐ In Water ☐ With Sediment
☐ Open Channel	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☐ Parabolic ☐ 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	Signature
717-975-7575	10/23/2018
Telephone No.	Date

CR 5.0



CR 5.0



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **10/23/2018**	Outfall ID No.: **CR 9.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☒ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 13' 03.1"
	Longitude: 76° 56' 27.6"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **10/21/18**
	Amount of Previous Precipitation: **0.08** in
Inspector Name(s): **Rebecca Davis & Raymond Allen**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **24** in Top Width: **36** in Bottom Width: **2 feet**	

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	Signature
717-975-7575	10/23/2018
Telephone No.	Date

CR 9.0



CR 9.0



YBC 34.0



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **10/23/2018**	Outfall ID No.: **YBC 34.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☒ Commercial ☒ Suburban Residential ☒ Open Space ☐ Other:	Latitude: 40° 11' 50.4 N"
	Longitude: 76° 55' 02.8 W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **10/21/18**
	Amount of Previous Precipitation: **0.08** in
Inspector Name(s): **Rebecca Davis & Raymond Allen**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☒ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **48** in Top Width: **120** in Bottom Width: **76 inches**	

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	Signature
717-975-7575	10/23/2018
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **10/23/2018**	Outfall ID No.: **YBC 39.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☒ Open Space ☐ Other:	Latitude: 40° 10' 33.4"
	Longitude: 76° 55' 17.0"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **10/21/18**
	Amount of Previous Precipitation: **0.08** in
Inspector Name(s): **Rebecca Davis & Raymond Allen**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☒ Circular ☒ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: **48** in	☒ In Water ☐ With Sediment
☐ Open Channel	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☐ Parabolic ☐ 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	Signature
717-975-7575	10/23/2018
Telephone No.	Date

YBC 39.0



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **10/23/2018**	Outfall ID No.: **YBC 40.0**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 10' 31.8"
☐ Industrial ☐ Urban Residential	Longitude: 76° 55' 14.1"
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☒ Open Space ☐ Other:	Date of Previous Precipitation: **10/21/18**
	Amount of Previous Precipitation: **0.08** in
Inspector Name(s): **Rebecca Davis & Raymond Allen**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **16** in Top Width: **8** in Bottom Width: **8"**	

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	Signature
717-975-7575	10/23/2018
Telephone No.	Date

YBC 40.0



ATTACHMENT #23

OUTFALL INSPECTIONS & PHOTOGRAPHS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **RH 1.0**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 11’ 2.8104 N”
☐ Industrial ☐ Urban Residential	Longitude: 76° 55’ 42.7872 W”
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☐ Open Space ☐ Other:	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☒ Trapezoid ☐ Parabolic ☐ Other	Depth: **72** in Top Width: **480** in Bottom Width: **456 in**	

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 Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **RH 1.1**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 11’ 2.4864 N”
☐ Industrial ☐ Urban Residential	Longitude: 76° 55’ 44.3892 W”
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☐ Open Space ☐ Other:	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **36** in Top Width: **70** in Bottom Width: **24 in**	

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 Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **RHT 1.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 10' 55.38 N"
	Longitude: 076° 56' 8.3652 W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **40** in Top Width: **12** in Bottom Width: **72 in**	

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:

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/27/19**	Outfall ID No.: **YBC 34.0**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 11' 50.4 N"
☐ Industrial ☐ Urban Residential	Longitude: 076° 55' 02.8 W"
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☐ Open Space ☐ Other:	Date of Previous Precipitation: **6/25/2019**
	Amount of Previous Precipitation: **.25** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **48** in Top Width: **120** in Bottom Width: **76 inches**	

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

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Rebecca Davis	
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DEPARTMENT OF ENVIRONMENTAL PROTECTION
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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/27/19**	Outfall ID No.: **YBC 35.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 11’ 18.96 N”
	Longitude: 076° 54’ 49.6794 W”
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **6/25/2019**
	Amount of Previous Precipitation: **.25** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☒ Trapezoid ☐ Parabolic ☐ Other	Depth: **48** in Top Width: **121** in Bottom Width: **9 feet**	

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

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Rebecca Davis	
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Telephone No.	Date

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/27/19**	Outfall ID No.: **YBC 36.0**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 11' 13.1994 N"
☐ Industrial ☐ Urban Residential	Longitude: 076° 54' 47.88 W"
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☐ Open Space ☐ Other:	Date of Previous Precipitation: **6/25/2019**
	Amount of Previous Precipitation: **.25** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☒ Trapezoid ☐ Parabolic ☐ Other	Depth: **60** in Top Width: **168** in Bottom Width: **10 feet**	

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

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/27/2019
Telephone No.	Date

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **YBC 37.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 11’ 16.44 N”
	Longitude: 076° 55’ 39 W”
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **60** in Top Width: **84** in Bottom Width: **36 in**	

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:

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717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **YBC 38.0**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 11’ 11.4288 N”
☐ Industrial ☐ Urban Residential	Longitude: 076° 55’ 41.7648 W”
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☐ Open Space ☐ Other:	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **48** in Top Width: **84** in Bottom Width: **48 in**	

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:

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Rebecca Davis	
Responsible Official Name	Signature
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Telephone No.	Date

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **YBC 39.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 11’ 9.9096 N”
	Longitude: 076° 55’ 42.42 W”
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **62** in Top Width: **144** in Bottom Width: **84 in**	

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 Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **YBC 41.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 10' 30.8388"
	Longitude: 076° 55' 12.6408W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☒ Other	☐ Trapezoid ☒ Parabolic ☐ Other	Depth: **60** in Top Width: **120** in Bottom Width: **72 in**	

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

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **5/08/19**	Outfall ID No.: **YBC 42.0**
Land Uses in Outfall Drainage Area (Select All):	Latitude: 40° 9' 52.726N"
☐ Industrial ☐ Urban Residential	Longitude: 076° 54' 52.151W"
☐ Commercial ☒ Suburban Residential	Dry Weather Inspection? ☒ Yes ☐ No
☐ Open Space ☐ Other:	Date of Previous Precipitation: **5/5/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☒ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other	☒ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: **12** in	☐ In Water ☐ With Sediment
☐ Open Channel	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☐ Parabolic ☐ 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

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	5/9/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **5/08/19**	Outfall ID No.: **YBC 43.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 9' 51.98" N"
	Longitude: 076° 54' 55.76W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **5/5/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☒ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other	☒ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: **18** in	☐ In Water ☐ With Sediment
☐ Open Channel	☐ Concrete ☐ Earthen ☐ Rip-Rap ☐ Other	☐ Trapezoid ☐ Parabolic ☐ 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:

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	5/9/2019
Telephone No.	Date

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **5/08/19**	Outfall ID No.: **YBC 44.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 9' 47.347" N"
	Longitude: 076° 55' 7.112W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **5/5/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☒ Trapezoid ☐ Parabolic ☐ Other	Depth: **48** in Top Width: **120** in Bottom Width: **72 in**	

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:

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	5/9/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **6/24/19**	Outfall ID No.: **YBT 4.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 10' 49.3968 N"
	Longitude: 076° 55' 34.338 W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **6/21/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☒ Trapezoid ☐ Parabolic ☐ Other	Depth: **48** in Top Width: **216** in Bottom Width: **108 in**	

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:

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	6/24/2019
Telephone No.	Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: **Lower Allen Township**	NPDES Permit No.: PA**133511**
Date of Inspection: **5/08/19**	Outfall ID No.: **YBT 5.0**
Land Uses in Outfall Drainage Area (Select All): ☐ Industrial ☐ Urban Residential ☐ Commercial ☒ Suburban Residential ☐ Open Space ☐ Other:	Latitude: 40° 9' 44.848" N"
	Longitude: 076° 55' 18.317W"
	Dry Weather Inspection? ☒ Yes ☐ No
	Date of Previous Precipitation: **5/5/2019**
	Amount of Previous Precipitation: **.5** in
Inspector Name(s): **Ray Allen and Rebecca Davis**	Were Photographs Taken? ☒ Yes ☐ No
	Are Photographs Attached? ☒ Yes ☐ No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other ☐ Other	Diameter: _____ in	☐ In Water ☐ With Sediment
☒ Open Channel	☐ Concrete ☒ Earthen ☐ Rip-Rap ☐ Other	☒ Trapezoid ☐ Parabolic ☐ Other	Depth: **48** in Top Width: **120** in Bottom Width: **96 in**	

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

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Rebecca Davis	
Responsible Official Name	Signature
717-975-7575 Ext. 1010	5/9/2019
Telephone No.	Date

RH 1.0



RH 1.1



RHT 1.0



YBC 34.0



YBC 35.0



YBC 36.0



YBC 37.0



YBC 38.0



YBC 39.0



YBC 41.0



YBC 42.0



YBC 43.0



YBC 44.0



YBT 4.0



YBT 5.0



ATTACHMENT #24

BMP INVENTORY & INSPECTION REPORTS

BMP#2

RECEIVED
DEC 20 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
950 Woodland Investments.	950 Woodland St
Tax Parcel ID No. 13 24 0795 170	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12-17-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Steve Sivkovitz
Name (print)

Signature

12-17-18
Date

Bmp#5

RECEIVED
DEC 13 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
LETORT GROUP LLC	3130 MORNINGSIDE DRIVE CAMP HILL PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0551-028	

Date of Inspection: DECEMBER 11TH 2018

Inspection of Open Basins:

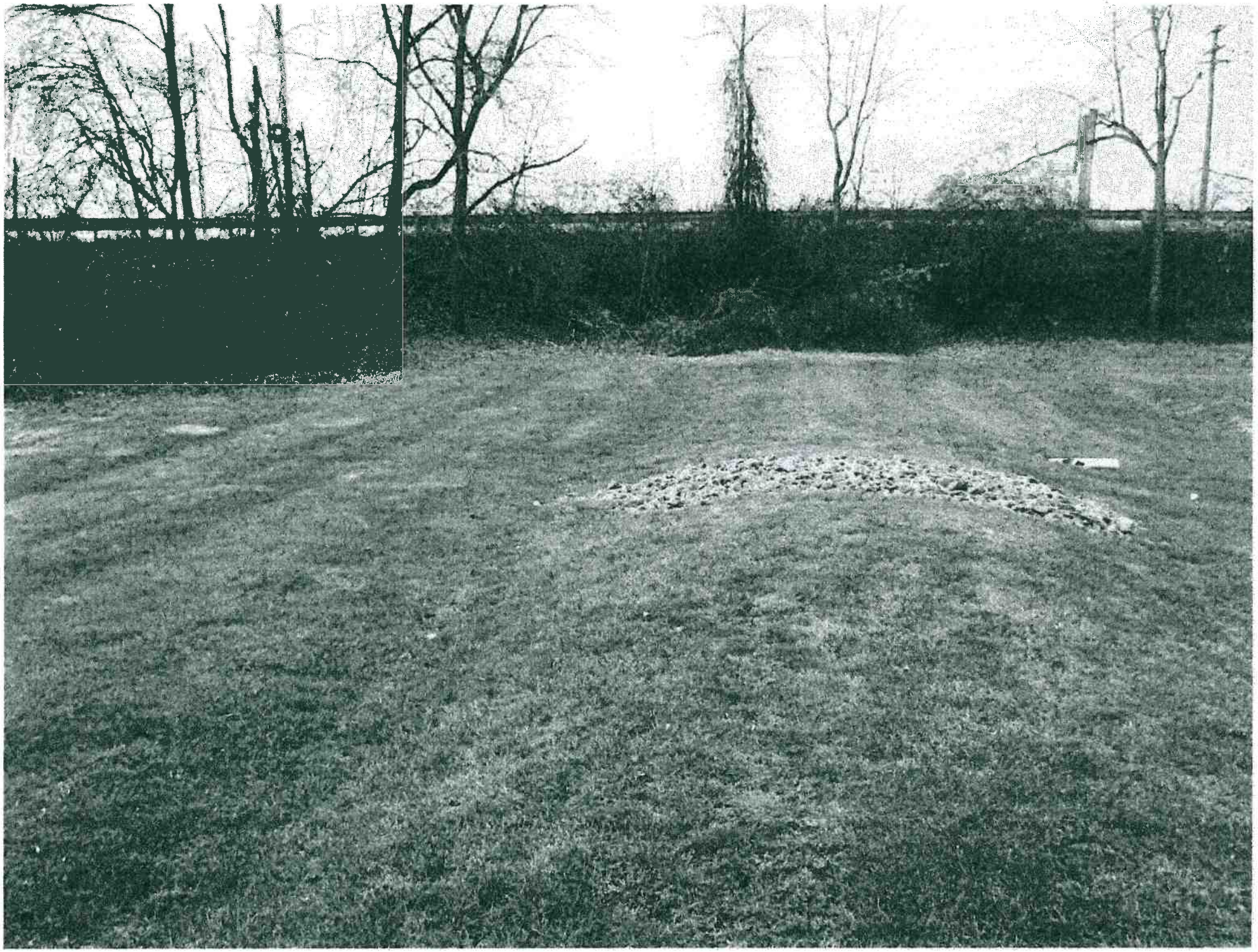
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	YES	
Stability of embankments and other soil areas	YES	
Integrity and condition of vegetation	YES	
Collection, storage and release of stormwater in accordance with the facility design	YES	
Sediment accumulation	YES	
Safety	YES	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	YES	
Stability of soil over and adjacent to the facility	YES	
Collection, storage and release of stormwater in accordance with the facility design	YES	
Sediment accumulation	YES	
Safety	YES	

Submitted by:

TANAK M. AMIN		DECEMBER 11TH 2018
Name (print)	Signature	Date



Rebecca Davis

From: Janak Amin <jamin@letorttrust.com>
Sent: Thursday, December 13, 2018 1:18 PM
To: Rebecca Davis
Subject: RE: National Pollutant Discharge Elimination System

Yes – are going to get that repaired – we are waiting for a time from our vendor – I think they wanted to wait until it got a little warmer (not sure that is going to happen soon). The lawn guys with their weed whacker, have caused the cracks.

Do you want me to send you a pic as soon as it is completed? Thanks

Janak M. Amin
LeTort Trust
Tel 813-659-6252

3130 Morningside Drive
Camp Hill, Pa 17011

http://www.letorttrust.com

Our Purpose
We build better lives and brighter futures for our clients, employees and the communities we serve.

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From: Rebecca Davis <RDavis@latwp.org>
Sent: Thursday, December 13, 2018 1:14 PM
To: Janak Amin <jamin@letorttrust.com>
Subject: RE: National Pollutant Discharge Elimination System

Hello Mr. Amin,
Thank you for completing the forms and attaching the photograph. I noticed in the picture that the outlet pipe is cracked in half. Do you have plans for repair?
Thank you,
Rebecca

Rebecca L. Davis
MS4 Coordinator
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: Janak Amin <jamin@letorttrust.com>
Sent: Thursday, December 13, 2018 11:13 AM
To: Rebecca Davis <RDavis@latwp.org>
Subject: National Pollutant Discharge Elimination System

Dear Ms. Davis – Please find attached the questionnaire and some pictures in reference to the NPDES and MS 4 Permit, letter dated December 10th 2018.

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

Thank you.

Janak M. Amin
LeTort Trust
Tel 813-659-6252

3130 Morningside Drive
Camp Hill, Pa 17011

http://www.letorttrust.com

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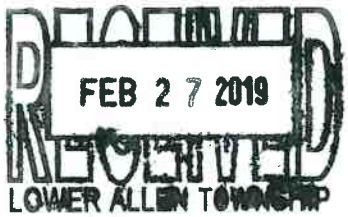
From: Janak Amin <janakmamin@yahoo.com>
Sent: Thursday, December 13, 2018 10:40 AM
To: Janak Amin <jamin@letorttrust.com>
Subject: IMG_3759.JPG

Sent from Mail for Windows 10

BMP #5

Rebecca Davis

From: Janak Amin <jamin@letorttrust.com>
Sent: Wednesday, February 27, 2019 9:48 AM
To: Rebecca Davis
Subject: Work completed
Attachments: ATT00001.txt; ATT00002.txt



Ms. Davis – hope all is well.

Re: National Pollutant Discharge Elimination System
Municipal Separate Storm Sewer System (MS4) Permit
PIN # 13-23-0551-028

Further to my prior communication, please find pictures evidencing the work that has been completed. Please let me know if you have any questions.

Thank you.

Janak M. Amin
LeTort Trust
Tel 813-659-6252

3130 Morningside Drive
Camp Hill, Pa 17011

http://www.letorttrust.com

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Bmp#7

RECEIVED
DEC 14 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Justin L. Kaercher	8 Cedar Cliff Dr.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/14/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Justin Kaercher		12/14/18
Name (print)	Signature	Date

Bmp#8

RECEIVED
DEC 18 2018
LOWER ALLEN

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Alison Miller	1570 Thompson Ln Mech 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12-14-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Alison Miller	Alison Miller	12-14-18
Name (print)	Signature	Date

BMP #10

RECEIVED
DEC 18 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Twp Post 7530	4545 Westport Dr
Tax Parcel ID No. Pin# 13-10-0256-039	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12-14-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Sandra Seank — Sandra Seank — 12-14-18

Name (print) — Signature — Date

BMP#13

RECEIVED
DEC 27 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
H+H Realty, LLC	4510 WESTPORT DRIVE MECHANICSBURG PA 17055
Tax Parcel ID No. 13-10-0256--030	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: _____

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	NONE
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	No Sediment	
Safety	Y	

Submitted by:

Richard G. Munkittrick — Name (print)

Signature

12/27/18 — Date

BMP# 11

RECEIVED
APR 18 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Joseph + Elaine Farrell	1706 Liberty Cove Mechanicsburg, PA 17055
Tax Parcel ID No. 13-11-0770-109	Subdivision/Land Development/Drainage Plan No. (if known) Liberty

Date of Inspection: 4/15/2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	✓ Y	
Stability of embankments and other soil areas	✓ Y	
Integrity and condition of vegetation	✓ Y	
Collection, storage and release of stormwater in accordance with the facility design	✓ Y	
Sediment accumulation	✓ Y	Needs leaves cleaned out + almost done
Safety	✓ Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Joseph Farrell — Name (print)

Joseph [signature] — Signature

4/15/2019 — Date

BMP #14

RECEIVED
FEB 19 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
SHANGA Select Services Hotels	1965 Waddle Road State College, PA 16803
Tax Parcel ID No. #13-25-0024-006	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 2/19/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Brad Wright — Name (print)

Brad Wright — Signature

2/19/19 — Date

BMP #15

RECEIVED
DEC 12 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
YCH PROPERTIES LP	3809 HARTZDALE DR CAMP HILL
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13240799256	SLD 2005-14

Date of Inspection: 12/12/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

DUANE SUMMERS — Name (print)

Signature

12/12/18 — Date

BMP#17

RECEIVED
FEB 05 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William R Grace	1850 State Rd Camp Hill, Pa 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-22-0350-057	

Date of Inspection: 2-5-2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	yes	
Stability of embankments and other soil areas	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	none	
Safety	yes Good	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	yes	
Stability of soil over and adjacent to the facility	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	None	
Safety	yes Good	

Submitted by:

William R. Grace — Name (print)

Signature

2-5-19 — Date



1850 State Rd.
Camp Hill, Pa
17011

BMP# 19

RECEIVED
DEC 20 2018

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Century Park Investors	960 Century Drive
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13 24 0795 001A	

Date of Inspection: 12-12-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	✓	
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Steve Sinkovitz — Name (print)

Signature

12-12-18 — Date

BMP#21

RECEIVED
JAN 14 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Old Gettysburg Rd Assoc VI LP	758 Upland St.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-24-0795-014	

Date of Inspection: 1-11-2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Steve Sinkovitz — Name (print)

Signature

1-11-2019 — Date

BMP #24

RECEIVED
JAN 08 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Slate Hill Mennonite Church and Burial Grounds Association	1352 Slate Hill Rd Camp Hill PA 17011
Tax Parcel ID No. 13-10-0258-004	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1-3-2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

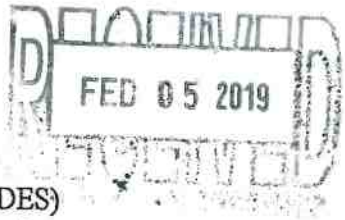
Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Paul M. Zimmerman	Paul M. Zimmerman	1-3-2019
Name (print)	Signature	Date

BMP #27



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William R Grace	3605 R Hartzdale Dr. Camp Hill PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-24-0801-002	

Date of Inspection: 2-5-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	yes	
Stability of embankments and other soil areas	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	None	
Safety	yes Good	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	yes	
Stability of soil over and adjacent to the facility	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	None	
Safety	yes Good	

Submitted by:

William R Grace — Name (print)

Signature

2-5-19 — Date



FRONT BASIN

3605 HARTZDALE

CAMP HILL, PA.

1981



3605R
Hartzdale Dr.
Camp Hill Pa

BMP #24

RECEIVED
JAN 11 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
PRICE	4526 WOODS WAY, MECHANICSBURG, PA
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
	MANOR @ WESTPORT

Date of Inspection: 12/18/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

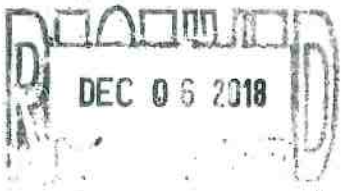
Submitted by:

DEREK PRICE — Name (print)

Signature

12/18/18 — Date

BMP# 33, 147+148



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
West Shore School District	Cedar Cliff 1301 Carlisle rd Camp Hill, PA 17011
Tax Parcel ID No. 13-23-0545-416	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/5/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	END OF PVC PIPE MAY BE SEPARATING AT DISCHARGE. WILL ATTEMPT TO PUSH AGAINST REST.
Stability of embankments and other soil areas	Y	NO NEW EROSION VISIBLE
Integrity and condition of vegetation	Y	all trees and shrubs are present and alive.
Collection, storage and release of stormwater in accordance with the facility design	Y	IT IS WORKING AS IT SHOULD.
Sediment accumulation	NO	WILL WRITE A WORK ORDER TO CLEAN LEAVES OUT OF 2 DRAINS ON MAIN DRIVE
Safety	Y	NO TRIP HAZARDS

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	NO	
Safety	Y	EVERYTHING LOOKS GOOD INSIDE AND OUTSIDE OF MANHOLE

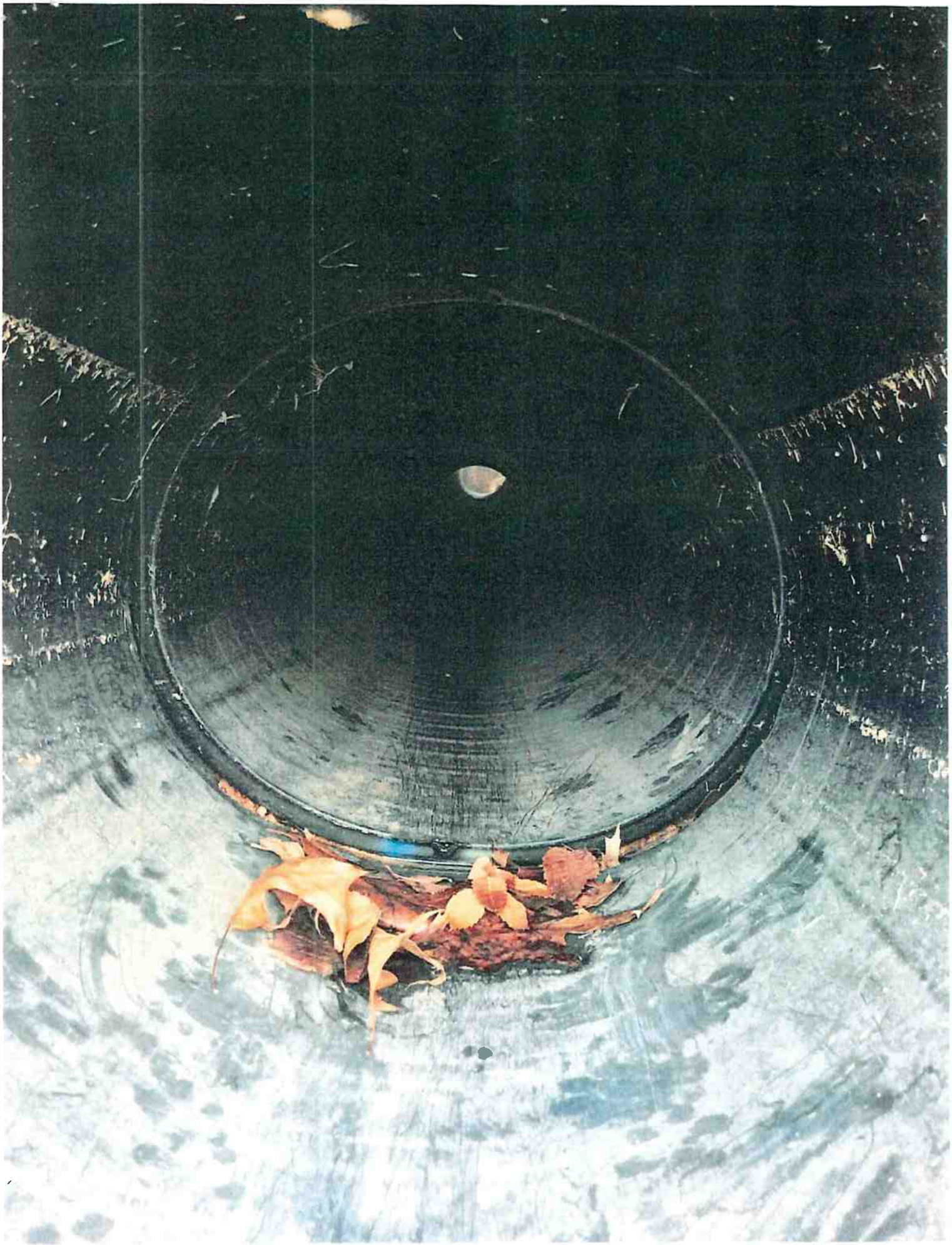
Submitted by:

JOHN WHITE — John White — 12/6/18.

Name (print) / Signature / Date







BMP#34

RECEIVED
JAN 28 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Christ Community Church	1201 - Slate Hill Road Camp Hill PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
	13-25-0797-218 EX

Date of Inspection: 1/28/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Rodney D. Westfall — Name (print)

Signature

1/28/19 — Date

Bmp#47

RECEIVED
JAN 07 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Linlo Properties III, LP	1215 Manor Drive, Mechanicsburg, PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-10-0256-037	

Date of Inspection: January 02, 2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	YES	
Stability of embankments and other soil areas	YES	
Integrity and condition of vegetation	YES	
Collection, storage and release of stormwater in accordance with the facility design	YES	
Sediment accumulation	YES	
Safety	YES	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	N/A	
Stability of soil over and adjacent to the facility	N/A	
Collection, storage and release of stormwater in accordance with the facility design	N/A	
Sediment accumulation	N/A	
Safety	N/A	

Submitted by:

Lowell R. Gates — Name (print)

Lowell Gates — Signature

01/02/2019 — Date

1215 Manor Drive, Mechanicsburg, PA 17055
NPDES BMP Inspection 12/27/2018



Picture #1: Front of Building
12/27/2018



Picture #2: Front of Building
12/27/2018



Picture #3: Rear of Building
12/27/2018



Picture #4: Rear of Building
12/27/2018



Picture #5: Rear of Building
12/27/2018



Picture #6: Rear of Building
12/27/2018

BMP#111
BMP#57

RECEIVED
JAN 17 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William Werzyn, JR Patricia Werzyn	5024 Simpson Ferry Rd Mechanicsburg, PA 17050
Tax Parcel ID No. 13-23-0559-090	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1-15-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Kris Beelick — Name (print)
[signature] — Signature
1-15-19 — Date

BMP #59

RECEIVED
MAR 13 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lucky Bear LLC	3804 Lisburn Rd Mechanicsburg PA 17055
Tax Parcel ID No. 13-11-0270-42	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 03/13/2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Kimberley A. Giraffa — Name (print)

Kimberley A Giraffa — Signature

3/13/2019 — Date

BMP#61

RECEIVED
JUL 3 1 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Joseph Giovagnoli	3702 Gettysburg Road Camp Hill PA
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 7-31-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Joseph Giovagnoli		7-31-19
Name (print)	Signature	Date

BMP #93

RECEIVED
JAN 07 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Michelle Meiser	2420 Massachusetts Avenue Camp Hill PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/19/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Michelle Meiser	Michelle Meiser	12/19/18
Name (print)	Signature	Date

BMP #C05

RECEIVED
DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Hassan Ada / Laura Yohe-Ada	2414 Massachusetts Ave Camp Hill, PA 17011
Tax Parcel ID No. 13-23-0549-109	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: December 15th, 2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Laura Yohe-Ada		12/15/18
Name (print)	Signature	Date

Bmp# 66

RECEIVED
DEC 26 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
DAVID H. PEIFFER	1841 Brookview Drive New Cumberland, PA 17070
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-10-0260-010	Beacon Hill (Lower Allen Township)

Date of Inspection: **DECEMBER 21, 2018**

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

DAVID H. PEIFFER — Name (print)

Signature

Dec 21, 2018 — Date

BMP #67

RECEIVED
DEC 18 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Jonathan Ruel	1595 Thompson Lane Mech. PA 17055
Tax Parcel ID No. 13-10-0258-063	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/17/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	y	
Stability of embankments and other soil areas	y	
Integrity and condition of vegetation	y	
Collection, storage and release of stormwater in accordance with the facility design	y	
Sediment accumulation	y	
Safety	y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	y	
Stability of soil over and adjacent to the facility	y	
Collection, storage and release of stormwater in accordance with the facility design	y	
Sediment accumulation	y	
Safety	y	

Submitted by:

Jonathan Ruel
Name (print)

Signature

12/17/18
Date

BMP#70

RECEIVED
DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
SHEKER FAMILY L.P.	75 Zimmerman Dr., Camp Hill, PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: _____

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

LT SHEKER		12/18/2018
Name (print)	Signature	Date

BMP#75

RECEIVED
DEC 18 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
RUDOLF + GERTRUDE GASSNER	1712 LIBERTY CT., MECHANICSBURG, PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-11-0270-097	

Date of Inspection: 12/13/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

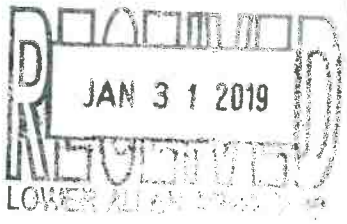
Submitted by:

RUDOLF GASSNER — Name (print)

Rudolf Gassner — Signature

12/13/18 — Date

BMP # 16



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Jeremy & Lauren Freeland	1425 Main St. Mechanicsburg, PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/21/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Jeremy Freeland
Name (print)

Signature

12/23/18
Date

BMP#77

RECEIVED
DEC 20 2018
LOWER ALLEN TWP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Old Gettysburg Assoc IV	4712 Gettysburg Rd
Tax Parcel ID No. 13 24 0795 003	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12-12-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Steve Siwkanic		12-12-18
Name (print)	Signature	Date

BMP#79

RECEIVED
JUL 08 2019
LOW

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
DEPARTMENT OF CORRECTIONS SCI-CAMP HILL	2500 LISBURN RD CAMP HILL, PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-09-0547-007-EX	DGS PROJECT No. 573-25 DIAGNOSTIC BLDG.

Date of Inspection: JUNE 21, 2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	YES, ALL AREAS ARE DRY AND FREE OF DEBRIS	
Stability of soil over and adjacent to the facility	YES, WELL MAINTAINED	
Collection, storage and release of stormwater in accordance with the facility design	YES, INLETS OPERATIONAL & DRY	
Sediment accumulation	NONE - SEVERAL RAIN EVENTS - SHOWED NO EVIDENCE OF POOLING	
Safety	FENCED AND YES SECURITY CAMERAS	

Submitted by:

CAROL A. PIONTKOWSKI P.E. — Name (print)
Carol A. Piontkowski — Signature
6/21/19 — Date

mp# 81

RECEIVED
DEC 17 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Kyle + Jessica Machtire	1712 Main St. Mechanicsburg, PA 17055
Tax Parcel ID No. 13-31-2134-059	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/15/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Jessica Machtire
Name (print)

Jessica Machtire
Signature

12/15/18
Date

BMP #82

RECEIVED
JUL 08 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
DEPARTMENT OF CORRECTIONS SCI - CAMP HILL	2500 LISBURN RD. CAMP HILL, PA 17001
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-09-0547-007-EX	DGS PROJECT NO. 573-28 KITCHEN AND DINING AREA

Date of Inspection: JUNE 21, 2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	YES - NO VISUAL SIGNS OF TOOLING	
Stability of soil over and adjacent to the facility	YES - GRASS MAINTAINED	
Collection, storage and release of stormwater in accordance with the facility design	YES - MANHOLES COLLECTION/RELEASE DISCHARGING	
Sediment accumulation	NONE	
Safety	YES - FENCED AND SECURITY CAMERAS	

Submitted by:

CAROL A. PIONTKOWSKI, P.E. — Name (print)

Signature

6/21/19 — Date

BMP#84

RECEIVED
JAN 29 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Skyline Steel	1250 St. John's Road, Camp Hill, PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-25-0020-054A	—

Date of Inspection: 1.28.19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Robert Boger	[signature]	1.28.19
Name (print)	Signature	Date

BMP#86

RECEIVED
DEC 13 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
JOHN J ECTRINGHAM	1724 LIBERTY COVE MECHANICSBURG, PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-11-0270-099	

Date of Inspection: 12/12/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

JOHN J ECTRINGHAM — Name (print)

Signature

12/12/18 — Date

BMP#87

RECEIVED
DEC 26 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Eric Shaffer	5030 Arthur Ave Mechanicsburg, PA 17050
Tax Parcel ID No. 25-177 2980	Subdivision/Land Development/Drainage Plan No. (if known)

13-23-0554-087

Date of Inspection: 12/26/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	y	
Stability of embankments and other soil areas	y	
Integrity and condition of vegetation	y	
Collection, storage and release of stormwater in accordance with the facility design	y	
Sediment accumulation	y	
Safety	y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	y	
Stability of soil over and adjacent to the facility	y	
Collection, storage and release of stormwater in accordance with the facility design	y	
Sediment accumulation	y	
Safety	y	

Submitted by:

Shanna Bonsall — Name (print)

Shanna Bonsall — Signature

12/26/18 — Date

BMP #88

RECEIVED
DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Holy Spirit Cancer Center	880 Century Drive Mechanicsburg PA
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-24-0795-174A	

Date of Inspection: 12-21-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Craig Blattenberger — Name (print)

Craig Blattenberger — Signature

12-21-18 — Date

BMP #90

RECEIVED
DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William C. Kollas and Dianne L. Kollas	3599 Gettysburg Rd, Camp Hill, PA 17011
Tax Parcel ID No. 13-23-0553-060	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/17/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

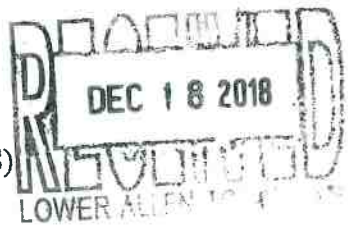
Submitted by:

William C. Kollas — Name (print)

Signature

12/18/18 — Date

Bmp#92



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Christopher M. Federiw	1403 Wellgate Lane Mechanicsburg, Pa 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
B-11-0270-073	Allen Estates

Date of Inspection: 12/16/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	yes	
Stability of embankments and other soil areas	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	yes	
Safety	yes	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	yes	
Stability of soil over and adjacent to the facility	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	yes	
Safety	yes	

Submitted by:

Chris Federiw	Chris F	12/16/18
Name (print)	Signature	Date

BMP#94

RECEIVED
JAN 16 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Harvey Sonnon Kellyann Sonnon	4975 Ravenwood Rd Mechanicsburg PA 17055
Tax Parcel ID No. 13-26-0247-107	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1-3-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Harvey Sonnon	Harvey Sonnon	1-3-19
Name (print)	Signature	Date

BMP #95

RECEIVED JAN 28 2019

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address	
Towns at Meridian (an HOA)	Meridian Way Mechanicsburg Pa.	New Mailing Address Towns at Meridian PO BOX 3330 LANCASTER PA 17604 Attn: Lori VanGorde
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)	
Various		

Date of Inspection: _____

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Yes	
Stability of embankments and other soil areas	Repair in progress	New inlet and pipe being placed near turnpike discharge pipe
Integrity and condition of vegetation	Yes	(plan under review by Township)
Collection, storage and release of stormwater in accordance with the facility design	Yes	
Sediment accumulation	Yes	
Safety	Yes	

Inspection of Subsurface Storage/Infiltration Facilities: ~~N/A~~

N.A.	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	~~Yes~~ N.A.	
Stability of soil over and adjacent to the facility	~~Yes~~	
Collection, storage and release of stormwater in accordance with the facility design	↓	
Sediment accumulation		
Safety		

Submitted by: Phil Frey

Phil Frey — PHIL FREY — 12/14/18

Name (print) — Signature — Date

BMP #44

RECEIVED
DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
ANTONIO & SOFIA LANNES	4913 WOODBOX LN. MECHANICSBURG, PA 17055
Tax Parcel ID No. 13260247-106	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: _____

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

ANTONIO LANNES		12/18/2018
Name (print)	Signature	Date

BMP# 102

RECEIVED
FEB 05 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William R Grace	3608 Hazelnut Dr Camp Hill PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-24-0799-23C	

Date of Inspection: 2-5-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	yes	
Stability of embankments and other soil areas	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	None	
Safety	yes good	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	yes	
Stability of soil over and adjacent to the facility	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	None	
Safety	yes Good	

Submitted by:

William R Grace — Name (print)

[signature] — Signature

2-5-19 — Date



3608
Hartzdale Dr.
Camp Hill, Pa

* To Be ReSeeded
in the Spring.

BMP #103

RECEIVED
JAN 08 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Etter Investments, LLC	5026 Arthur Ave Mechanicsburg PA 17050
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0559-089	

Date of Inspection: 1-6-2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Name (print)	Signature	Date
TRACY D. ETTER		1-6-2019

BMP #104

RECEIVED
DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Brian & Amy Rhykerd	710 Wyndham Rd.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0547-201A	

Date of Inspection: 12-12-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Amy & Brian Rhykerd — Name (print)

Signature

12-12-18 — Date

BMP#105

RECEIVED
JAN 30 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
UNITED METHODIST HOME FOR CHILDREN	5120 SIMPSON FERRY RD. MECHANICSBURG PA, 17050
Tax Parcel ID No. 13-09-0545-002-EX	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1-28-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	yes	
Stability of embankments and other soil areas	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	yes	
Safety	yes	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

RICHARD N. CHUBB JR — Name (print)
Richard N Chubb — Signature
1-29-19 — Date

Bmp# 106

RECEIVED
DEC 20 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Old Gettysburg Assoc VI	4532 Gettysburg Rd.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13 24 0785 137	

Date of Inspection: 12-13-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Steve Sinkovitz
Name (print)

Signature

12-13-18
Date

BMP #109

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

RECEIVED
JAN 21 2019
LOWER ALLEN TOWNSHIP

Stormwater Management Facilities and Best Management Practices (BMPs)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Walmart	3400 Hartzdale Dr., Camp Hill, PA 17011
Tax Parcel ID No. 13-23-0795-137	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1/7/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Yes	
Stability of embankments and other soil areas	Yes	
Integrity and condition of vegetation	Yes	100% Healthy Coverage
Collection, storage and release of stormwater in accordance with the facility design	Yes	
Sediment accumulation	Yes	None - No Accumulation
Safety	Yes	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Yes	
Stability of soil over and adjacent to the facility	YES	
Collection, storage and release of stormwater in accordance with the facility design	Yes	
Sediment accumulation	Yes	None - Little to No Sediment Found
Safety	Yes	

Submitted by:

Marc Cummings — Name (print)

Signature

1/7/19 — Date

KLEENCO
CONSTRUCT · PRESERVE · MAINTAIN

Store #: 5888 | Camp Hill, PA | COMPLETE | PR#/WO#: 618





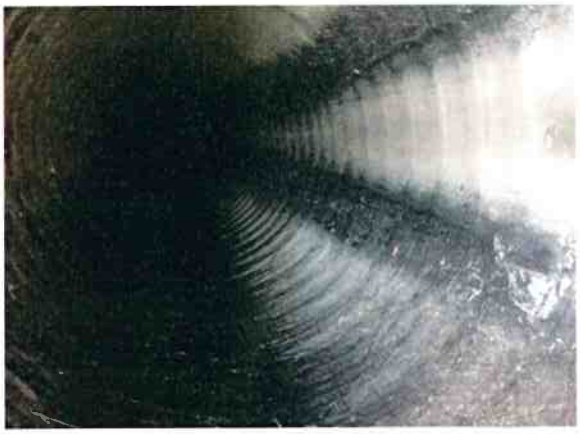










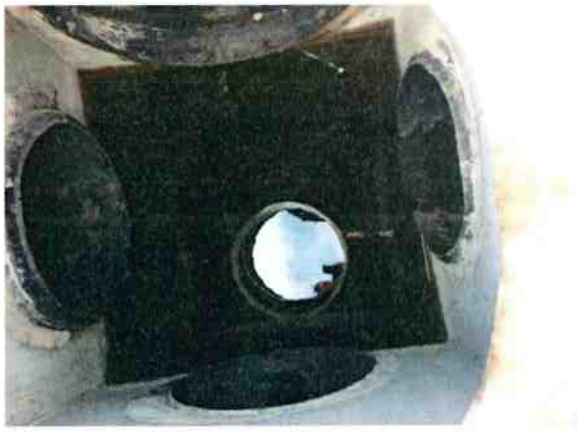


KLEENCO
CONSTRUCT · PRESERVE · MAINTAIN

Store #: 5888 | Camp Hill, PA | COMPLETE | PR#/WO#: 618







KLEENCO
CONSTRUCT · PRESERVE · MAINTAIN

Store #: 5888 | Camp Hill, PA | COMPLETE | PR#/WO#: 618










KLEENCO
CONSTRUCT · PRESERVE · MAINTAIN

Store #: 5888 | Camp Hill, PA | COMPLETE | PR#/WO#: 618

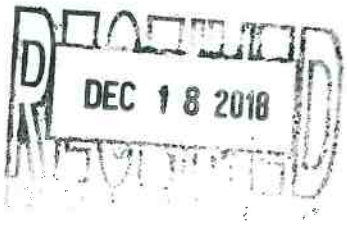








BMP# 110



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
KOSKAP PARTNERS	2500 GETTYSBURG Rd
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0549-003A	

Date of Inspection: 12/18/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	N/A	
Stability of soil over and adjacent to the facility	N/A	
Collection, storage and release of stormwater in accordance with the facility design	N/A	
Sediment accumulation	N/A	
Safety	N/A	

Submitted by:

MARTIN KAPELL	Martin R Kapell	12/18/2018
Name (print)	Signature	Date

BMP#111
BMP#67

RECEIVED
JAN 17 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William Wezzyn, JR Patricia Wezzyn	5024 Simpson Ferry Rd Mechanicsburg, PA 17050
Tax Parcel ID No. 13-23-0559-090	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1-15-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Kris Beelick — Name (print)
Signature — 1-15-19 Date

Bmp #115

RECEIVED
DEC 20 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Old G-burg Assoc II	4732 Gettysburg Rd.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13 24 0795 168	

Date of Inspection: 12 - 13 - 18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Name (print)	Signature	Date
	Steve Sinkevitz	12 - 13 - 18

BMP # 116

RECEIVED
DEC 18 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Brooks Edge Apartments LP c/o Triple Crown Corporation 5351 Jaycee Ave Harrisburg 17112 Attn: Garry Smith	850 Lisburn Road, Camp Hill PA 17011
Tax Parcel ID No. 13-24-0803-018	Subdivision/Land Development/Drainage Plan No. (if known) Brooks Edge

Date of Inspection: 12/13/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Garry Smith — Name (print)

Signature

12/13/18 — Date









BMP#117

RECEIVED
JAN 23 2019

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
PR Capital City Limited Partnership	3505 Capital City Mall Drive, Camp Hill PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-09-0547-006	Land Development Plan for the Capital City Mall

Date of Inspection: 01/17/2019

Inspection of Open Basins: BIOREMEDIATION BASIN

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Yes	None
Stability of embankments and other soil areas	Yes	None
Integrity and condition of vegetation	No	None
Collection, storage and release of stormwater in accordance with the facility design	Yes	None
Sediment accumulation	Yes	Minor debris (grass / straw) was observed on the outer edges of of the grate of the outlet structure. Debris should be removed as necessary to prevent clogging
Safety	Yes	None

Inspection of Subsurface Storage/Infiltration Facilities: BIOREMEDIATION BASIN

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Yes	None
Stability of soil over and adjacent to the facility	Yes	None
Collection, storage and release of stormwater in accordance with the facility design	Yes	None
Sediment accumulation	Yes	None
Safety	Yes	None

Submitted by:

Adam Davis, P.E.		01/22/2018
Name (print)	Signature	Date

BMP# 119

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
4530 Lewa Drive LP	4530 Lewa Drive Mechanicsburg, PA 17055
Tax Parcel ID No. 13-10-0256-042	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/28/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Douglas R. Berry — Name (print)

Douglas R. Berry — Signature

12/28/18 — Date

BMP #120

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LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Ronald & Diane Hodge	1742 Liberty Cove Mechanicsburg PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-11-0270-103	

Date of Inspection: 12/13/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Ronald C Hodge	Ronald C Hodge	12/13/18
Name (print)	Signature	Date

BMP# 122

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LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
John R & Shari M. Zimmerman	1748 Liberty Cove Mechanicsburg PA 17055
Tax Parcel ID No.	**Subdivision/Land Development/Drainage Plan No. (if known)**
13-11-0270-104	Liberty Point Book 92, Page 136-C

Date of Inspection: 12/16/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

John R Zimmerman — Name (print)

Signature

12/18/2018 — Date

BMP# 123

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DEC 26 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Kyle C. Snyder	150 f Woodcreek Drive Mechanicsburg, PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-28-2430-111	High Meadow

Date of Inspection: 12/14/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y N/A	N/A
Stability of embankments and other soil areas	Y	N/A
Integrity and condition of vegetation	Y	N/A
Collection, storage and release of stormwater in accordance with the facility design	Y	N/A
Sediment accumulation	Y Y	N/A
Safety	Y	N/A

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	N/A
Stability of soil over and adjacent to the facility	Y	N/A
Collection, storage and release of stormwater in accordance with the facility design	Y	N/A
Sediment accumulation	Y	N/A
Safety	Y	N/A

Submitted by:

Kyle C. Snyder — Name (print)

Signature

12/14/2018 — Date

Bmp#124

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LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Goodwill Keystone Area	3825 Hartzdale Drive Camp Hill, Pa. 17011
Tax Parcel ID No. 13-24-0799-176B	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: Dec 5TH 2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	Paved Stone Area
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Wesley J. Rivera — Name (print)
Facilities Director

Wesley J Rivera — Signature

12/14/2018 — Date

BMP#126

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DEC 21 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Mountaineer Properties LLC	~~2100~~/2404 Gettysburg Road C.H.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0549-003	

Date of Inspection: 12-17-18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Yes	
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Yes	
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

William Jason Grace _____ 12-17-18

Name (print) Signature Date

BMP #127

RECEIVED
JAN 07 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lena Drive Associates, LP	4600 Lena Drive, Mechanicsburg, PA 17055
Tax Parcel ID No. 13-10-256-040	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: January

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	N/A	
Stability of embankments and other soil areas	N/A	
Integrity and condition of vegetation	N/A	
Collection, storage and release of stormwater in accordance with the facility design	N/A	
Sediment accumulation	N/A	
Safety	N/A	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	YES	
Stability of soil over and adjacent to the facility	YES	
Collection, storage and release of stormwater in accordance with the facility design	YES	
Sediment accumulation	YES	
Safety	YES	

Submitted by:

Lowell R. Gates — Name (print)

Lowell Gates — Signature

01/02/2019 — Date

4600 Lena Drive, Mechanicsburg, PA 17055
NPDES BMP Inspection 12/27/2018



Picture #1
12/27/2018



Picture #2
12/27/2018



Picture #3
12/27/2018



Picture #4
12/27/2018



Picture #5
12/27/2018



Picture #6
12/27/2018

BMP# 128

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JAN 10 2019

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Weis Markets Inc.	1195 Lowther Road Camp Hill Pa. 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0545-082	

Date of Inspection: January 10, 2019.

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	YES	
Stability of embankments and other soil areas	YES	
Integrity and condition of vegetation	YES	
Collection, storage and release of stormwater in accordance with the facility design	YES	
Sediment accumulation		Leaves to be removed by 1/20/2019.
Safety	YES	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	YES.	
Stability of soil over and adjacent to the facility	YES	
Collection, storage and release of stormwater in accordance with the facility design	YES	
Sediment accumulation		Remove all leaves by 1/18/2019
Safety	YES	

Submitted by:

Richard L. Bennett — Name (print)

Signature

1/10/2019 — Date

BMP #129

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DEC 18 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Kenneth E & Lynn N Bentzel	340 Choco Chase Mech., PA 17055
Tax Parcel ID No. 13-28-2430-099	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/16/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Kenneth Bentzel — Name (print)

Signature

12/17/2018 — Date

Bmp#131

15

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MAR 12 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Charter Homes at Highpoint, Inc.	Arcona Road
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
	Highpoint Phase 1-5

Date of Inspection: 3/8/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	N	Needs overseeded in spring
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	NA	
Stability of soil over and adjacent to the facility	↓	
Collection, storage and release of stormwater in accordance with the facility design	↓	
Sediment accumulation	↓	
Safety	↓	

Submitted by:

Matt Eshelman
Name (print)

Signature

3/8/19
Date

BMP #B2

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Stone Gate Village LP C/O Triple Crown Corporation Attn: Garry Smith 5351 Jaycee Ave. Harrisburg 17112	2720 Lisburn Road Camp Hill, PA 17011
Tax Parcel ID No. 13-10-0258-073	Subdivision/Land Development/Drainage Plan No. (if known) Stone Gate Village

Date of Inspection: 12/13/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Garry Smith	[signature]	12/13/18
Name (print)	Signature	Date

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5351 Jaycee Avenue
Harrisburg, PA 17112
www.triplecrowncorp.com

717-657-5729
FAX 717-657-8125
info@triplecrowncorp.com

December 13, 2018

Rebecca Davis, MS4 Coordinator
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011

RE: Stormwater BMP Facility Maintenance
Tax Parcel #13-10-0258-073

Dear Ms. Davis:

This letter is being sent in response to your December 10, 2018 correspondence regarding the above. Attached is the completed Operation and Maintenance Inspection Report along with photographs supporting the inspection.

If you have any questions, please do not hesitate to contact Garry Smith at smithg@triplecrowncorp.com or 717-657-5729 x. 143.

Thank you.

Sincerely,

Jessica Hodnett
Executive Assistant

Enclosure

Cc: Garry Smith, Multi-Site Service Manager
File/SGV/Twp Correspondence









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717-657-5729
FAX 717-657-8125
info@triplecrowncorp.com

December 13, 2018

Rebecca Davis, MS4 Coordinator
Lower Allen Township
2233 Gettysburg Road
Camp Hill, PA 17011

RE: Stormwater BMP Facility Maintenance
Tax Parcel #13-24-0803-018

Dear Ms. Davis:

This letter is being sent in response to your December 10, 2018 correspondence regarding the above. Attached is the completed Operation and Maintenance Inspection Report along with photographs supporting the inspection.

If you have any questions, please do not hesitate to contact Garry Smith at smithg@triplecrowncorp.com or 717-657-5729 x. 143.

Thank you.

Sincerely,

Jessica Hodnett
Executive Assistant

Enclosure

Cc: Garry Smith, Multi-Site Service Manager
File/BEA/Twp Correspondence

BMP#133

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MAR 27 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Ken + Terra Oyler	1616 Thompson lane Mechanicsburg PA 17055
Tax Parcel ID No. 13-11-0270-112	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1-23-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Ken Oyler	Ken Oyl	1-23-19
Name (print)	Signature	Date

BMP#134

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DEC 13 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Asraf and Tattiana Eleseidy	4601 Gettysburg Rd Mechanicsburg, Pa 17055
Tax Parcel ID No. 13-24-0795-161	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/13/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities: Permeable Parking lot

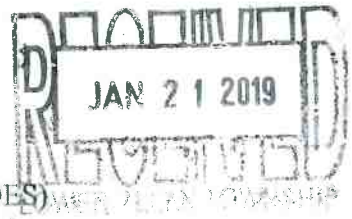
	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	N/A	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	No sediment	
Safety	Y	

Submitted by:

ASHRAF S. ELSEIDY — 12/13/18

Name (print) Signature Date

Bmp#136



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Timothy Jones	4549 Manor Drive Mechanicsburg PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-10-0256-057	

Date of Inspection: 12/31/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Tim Jones	T	12/31/18
Name (print)	Signature	Date

BMP#137

Strand Basin D (existing)

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MAR 12 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Charter Homes & Highpoint, Inc.	Arcona Road
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
	Highpoint 1.1 - 1.4

Date of Inspection: 3/8/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	N	Berm in middle of Basin needs completed when condition allows
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	NA	
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Matt Eshelman
Name (print)

Signature

3/8/19
Date

BMP#140

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FEB 04 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Crossroads Housing L.P.	2121-2141 Cedar Run Dr Camp Hill PA 17011
Tax Parcel ID No. 13-23-0549-235	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: January 11 2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Scott W Branyan — Name (print)

Signature

January 11 2019 — Date

BMP #141

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MAR 13 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lucky Bear LLC	3804 Lisburn Rd Mechanicsburg PA 17055
Tax Parcel ID No. 13-11-0270-42	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 03/13/2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Kimberly A. Giraffa — Name (print)

Kimberly A. Giraffa — Signature

3/13/2019 — Date

BMP#141

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DEC 18 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Bridge Street Parking, L.P	5016 Simpson Ferry Road, Mechanicsburg PA 17055
Tax Parcel ID No. 13-23-0559-082	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/14/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Yes	
Stability of embankments and other soil areas	Yes	
Integrity and condition of vegetation	Yes	
Collection, storage and release of stormwater in accordance with the facility design	Yes	
Sediment accumulation	Yes	
Safety	Yes	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Carl Hintz		12/16/2018
Name (print)	Signature	Date

BMP #143

RECEIVED
JAN 28 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lisburn Derco I LP	2960 Meridian Way Mechanicsburg, PA 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13100256091	

Date of Inspection: 1-22-2019

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Submitted by:

Philip C. Frey — Name (print)

Signature — Date 1/22/19

BMP#144

RECEIVED
DEC 26 2018
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Michael Cherewka	4557 Manor Dr Mechanicsburg, PA 17055
Tax Parcel ID No. 13-10-0256-055	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/26/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	again requesting grate/cover for outlet
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

N/A ?

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Michael Cherewka — Name (print)

Signature

12/26/2018 — Date

BMP# 146

RECEIVED
JAN 09 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
David & Rachael Miller	4518 woods way
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1/1/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

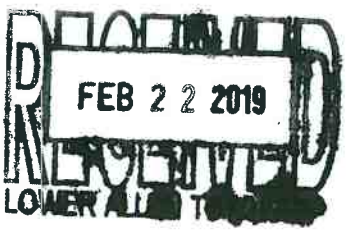
Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

David		1/1/19
Name (print)	Signature	Date

BMP #149



Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
VERTICAL PROPERTIES, L.P.	1304 SLATE HILL ROAD CAMP HILL, PA. 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-25-0020-052	PROJECT NO. 13069

Date of Inspection: 2/21/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

ROBERT KALBACH JR. — Name (print)
Signature
2/22/19 — Date

BMP #
~~BR~~ 152

ARCONA Plans
D-2

RECEIVED
MAR 12 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Arcona Fee Owner LLC	Strong Road
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
	ARCONA Phase 2, 3, 2

Date of Inspection: 3/8/19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	NA	
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Name (print) _____ Signature _____ Date 3/8/19

BMP# 156

RECEIVED
MAR 20 2019
LOWER ALLEN TOWNSHIP

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
William S. Vail Family Trust	2410 Gettysburg Rd. Camp Hill, PA 17011
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-23-0549-003C	

Date of Inspection: 3-20-19

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

Chris Casey — Name (print)

Signature

3-20-19 — Date

Description of BMP Operation and Maintenance Procedures

Initial Approval

In accordance with the requirement of the newly approved Stormwater Management Ordinance, all newly installed stormwater Best management Practices (BMPs) must have a recorded Operation and Maintenance (O&M) agreement. These agreements are held by the Township and are placed into a database for ongoing monitoring. In accordance with the Stormwater Management Ordinance, the ongoing inspection and maintenance of the installed BMPs is expected to be done by the Owner, at their expense.

Annual Activities

Every year the Township sends a letter out to all the BMP permit holders requesting that they inspect their installed BMPs, along with completing and returning the required forms. The Owners return their forms to the Township to document that the inspections were performed. This information is then attached to the MS-4 Annual Report.

The Township also has a program to perform the required inspection work upon the request of the Owner and at their expense.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1	OWNERSHIP INFORMATION										MS - 4 PERMIT INFORMATION											MAINTENANCE INFORMATION											
2	PIN	Paper Copy	Owner	Care	Mailing Address 1	Mailing Address 2	City	State	Zip	SITUS	BMP #	PLAN #	AGREEMENT RECORDING DATE	OWNER	BMP DESC.	DRAINAGE AREA (Ac.)	LATITUDE	LONGITUDE	RECEIVING WATER	COMPLETION DATE	NPDES PERMIT?	Mailed 2014	Returned 2014 /15	Mailed 2015	Returned 2015/16	Mailed 2016	Returned 2016/17	Mailed 2017	Returned 2017/18	Follow up Mailing 2018	Mailed 2018	Returned 2018	Repairs Required & Follow up	Installation Date
3	13-09-0545-006		ASBURY ATLANTIC INC		201 RUSSELL AVENUE		GAITHERSBURG	MD	20877	325 WESLEY DRIVE	1	SLD-2006-17		BETHANY VILLAGE WEST BVW COTTAGES	Bioretention areas (19) detention basins (4)	25.93	40.208959	-76.964929	CRM3	3/9	PAG2-0021-06-055			3/11/2015	12/16/15	01/11/16	12/22/2016		12/14/2017	4/5/2018	3/15/2018	12/10/2018			
4	13-24-0795-170	x	950 WOODLAND INVESTMENTS LLC				MECHANICSBURG	PA	17055	950 WOODLAND STREET	2	DP-2006-04	11/28/2006	950 WOODLAND STREET	Infiltration Trench	0.1	40.212663	-76.961605	CRM3	3/7	B								12/14/2017		3/15/2018	12/10/2018	12/20/2018		
5	13-26-0247-111		THAU, DANIEL T		4902 WHITLOCK LANE		MECHANICSBURG	PA	17055	4902 WHITLOCK LANE	3	SLD-2006-06		R. Hart Enterprises, INC	UG storage/infiltration pipe/trench	2.92	40.203526	-76.954613	CRM4	3/9	B				12/16/16	12/30/15	12/22/2016		12/14/2017			12/10/2018			
6	13-23-0549-018A		LOWER ALLEN TOWNSHIP		2233 GETTYSBURG ROAD		CAMP HILL	PA	17011	2233 GETTYSBURG ROAD	4	SLD-2006-05		Lower Allen Township	Porous asphalt, bioretention areas, infiltration trench	3.45	40.22942	-76.919227	CRT1	3/8	PAG-02-0021-14-044	12/1/2015		12/16/15	07/07/16	N/A	9/27/2017	12/14/2017			N/A	12/12/2018			
7	13-23-0551-028		LETORT GROUP LLC		3130 MORNINGSIDE DRIVE		CAMP HILL	PA	17011	3130 MORNINGSIDE DRIVE	5	SLD-2006-04		LeTort Group	Basin/rock filter	0.81	40.229196	-76933101	CRT1	3/8	C			12/16/15	01/19/16	12/22/2016		12/14/2017	12/26/2017		12/10/2018	12/13/2018		
8	13-24-0805-051	x	KAERCHER, JESTIN L	& CASSANDRA L KAERCHER	8 CEDAR CLIFF DRIVE		CAMP HILL	PA	17011	8 CEDAR CLIFF DRIVE	7	DP-2006-06		Justin L Kaercher	Infiltration trench	1.5	40.226101	-76.964056	YBC2	3/7	C			12/16/15	04/15/16	12/22/2016		12/14/2017	12/23/2017		12/10/2018	12/14/2018		
9	13-10-0258-034	x	MILLER, ALISON M		1510 THOMPSON LANE		MECHANICSBURG	PA	17055	1510 THOMPSON LANE	8	DP-2006-05	11/28/2006	Alison M. Miller	Infiltration trench	1.21	40.189967	-76.935202	YBT1	3/7	B	10/29/14	11/10/2014	12/16/15	12/30/2015	12/22/2016	1/3/2017	12/14/2017	12/26/2017				12/10/2018	12/18/2018		
10	13-09-0545-011PU	x	PENNSYLVANIA AMERICAN WATER COMPANY		800 W. Hershey Park Drive		HERSHEY	PA	17033	852 WESLEY DRIVE	9	SLD-2017-01	08/17/17	Pennsylvania American Water Company	Infiltration and Extended dry pond w/ forebay and permeable pavement	6.36 Ac.	40.21111	-76.966371	CRM5	1/1	PAC210031								12/14/2017	N/A	3/15/2018	12/10/2018			
11	13-10-0256-039	x	VFW POST 7530		4545 WESTPORT DRIVE	4545 WESTPORT DRIVE	MECHANICSBURG	PA	17055	4545 WESTPORT DRIVE	10	SLD-2005-25	09/06/2006	Home Association of Lower Allen VFW Post 7530, Inc.	Detention/infiltration basin	5.38	40.205782	-76.948001	CRT2	2/7	B	10/29/14	11/6/2014	12/16/15	12/31/16	12/22/2016	1/3/2017	12/14/2017	12/26/2017		12/10/2018	12/18/2018		
12	13-11-0270-109		FARRELL, JOSEPH & ELAINE		1706 LIBERTY COVE		MECHANICSBURG	PA	17055	LIBERTY COVE – BASINS	11	SLD-2005-24		Twenty Four West Partnership	Water quality basins	10.75	40.191071	-76.926674	YBC3	3/9	B				12/16/15	02/02/16	12/22/2016		12/14/2017	2/23/2018		12/10/2018	4/18/2019		
13	13-25-0068- 587/390	x	BEACON HILL HOA		Attn: Judy Baumgarnder, Pres. 1278 YARMOUTH LANE		NEW CUMBERLAND	PA	17070	YARMOUTH LANE-BASINS	12	SLD-2005-22	05/11/2007	Beacon Hill HOA	Swales, forebays, infiltration/detention basins	16.5	40.218773	-76.872882	YBC1	3/8	PAG2-0021-06-004	10/29/14		12/16/15	01/13/16	12/22/2016		12/14/2017		3/15/2018	12/10/2018			
14	13-10-0256-030		H&H REALTY, LLC		4510 WESTPORT DRIVE		MECHANICSBURG	PA	17055	4510 WESTPORT DRIVE	13	SLD-2006-12		H&H Realty, LLC	Infiltration trench	0.033	40.206693	-76.94726	CRT2	11/6	B				12/16/15	01/19/16	12/22/2016		12/14/2017	3/20/2018	3/15/2018	12/10/2018	12/27/2018		
15	13-25-0024-006	x	SHANER SELECT SERVICES HOTELS	II LLC	1965 WADDLE ROAD		STATE COLLEGE	PA	16803	4921 GETTYSBURG ROAD	14	SLD-2005-20	01/26/2006	Shaner Family Partners	Infiltration basins	6.14	40.20724	-76.963872	CRM4	6/7	C	10/29/14	11/25/14	12/16/15	01/12/16	12/22/2016		12/14/2017		3/15/2018	12/10/2018	2/19/2019		
16	13-24-0799-256	x	YCH PROPERTIES LP		3809 HARTZDALE DRIVE		CAMP HILL	PA	17011	3811 HARTZDALE DRIVE	15	SLD-2005-14		Cedar Run Development	Detention/infiltration basin	1.96	40.215716	-76.937935	CRM2	4/7	B					12/22/2016		12/14/2017	4/4/2018	3/15/2018	12/10/2018	12/12/2018		
17	13-28-2430-026	x	FUENTES, THOMAS & MARTIN, ANGELA		3432 LISBURN ROAD		MECHANICSBURG	PA	17055	3432 LISBURN ROAD	16	DP-2017-01	7/25/2017	Fuentes, Thomas & Martin, Angela	Bioretention	5.0 Ac.	40.185805	-76.934798	YBT3	11/17	E&S Permit only								12/14/2017	2/2/2018		12/10/2018			
18	13-22-0536-057	x	GRACE, WILLIAM R		PO BOX 301	PO BOX 301	NEW CUMBERLAND	PA	17070	1850 STATE ROAD	17	SLD-2005-11	10/28/2006	William Grace	Detention basin	1.46	40.235148	-76.912061	CRT1	10/6	B			12/16/15		12/22/2016	2/21/2017	12/14/2017	12/26/2017		12/10/2018	2/6/2019		
19	13-24-0795-176		ELLIS, SHAUN		900 CENTURY DRIVE #200		MECHANICSBURG	PA	17055	900 CENTURY DRIVE	18	SLD-2005-03		Ellis Shaun	Ext. detention basin/forebay	3.09	40.213674	-76.961892	CRM3	7/9	B			12/16/15	01/06/16	12/22/2016		12/14/2017	2/12/2018		12/10/2018		YES	
20	13-24-0795-001A		CENTURY PARK INVESTMENTS LP	C/O SELECT CAPITAL CORP.	4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	960 CENTURY DRIVE	19	SLD-2005-01		Willow Valley Associates Inc	Porous asphalt, bioretention, infiltration beds	8.322	40.213724	-76.960295	CRM3	10/14	C			12/16/15	01/22/16	12/22/2016		REV 01/05/18	'01/24*/18		12/10/2018	12/20/2018		
21	13-24-0795-047		ACKERMAN, EDWARD P		812 BELMONT STREET		MECHANICSBURG	PA	17055	812 BELMONT STREET	20	DP-2005-07		Douglas M. Zook/Ackerman	Infiltration bed	0.15	40.21448	-76.958588	CRM3	3/7	C					12/22/2016		12/14/2017			12/10/2018			
22	13-24-0795-014		OLD GETTYSBURG ASSOCIATES V, L.P.		4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	750 UPLAND STREET	21	DP-2005-06		Old Gettysburg Associates	Infiltration trenches	0.035	40.214739	-76.959863	CRM3	3/6	C					12/22/2016		12/14/2017			12/10/2018	1/14/2019		
23	13-25-0020-057		1401 SLATE HILL ROAD LLC		16155 TRADE ZONE AVENUE		UPPER MARLBORO	MD	20744	1401 SLATE HILL ROAD	22	DP-2005-04		SJS-1401 Slate Hill Rd. LP	Water Quality inserts (2)	7	40.208934	-76.940498	CRT2	3/7	B			12/16/15	02/01/16	12/22/2016		12/14/2017			12/10/2018			
24	13-10-0258-004	x	SLATE HILL MENNONITE CHURCH ETAL	& BURIAL GROUNDS ASSOCIATION	1352 SLATE HILL ROAD		SHIREMANSTOWN	PA	17011	1352 SLATE HILL ROAD	24	SLD 2008-07		Slate Hill Mennonite Church	Detention basin; bioretention area	2.11	40.204783	-76.940184	CRT2	3/7	B			12/16/15	1/19/2016	12/22/2016		12/14/2017	1/29/2018		12/10/2018	1/8/2019		
25	**13-23-0551-114A**		RYP PROPERTIES LLC	C/O BENNETT WILLIAMS	3528 CONCORD ROAD		YORK	PA	17402-8626	3300 HARTZDALE DRIVE	25																								
26	13-31-2136-132		GEARHART, ANDREW M & ABBEY R		4165 BIRCHWOOD LANE		MECHANICSBURG	PA	17055	4165 BIRCHWOOD LANE	26	SLD-2004-07 upper basin		Andrew and Abbey Gearhart	Basin/infiltration area	7.43	40.167862	-76.923907	YBC4		B	11/20/14		12/16/15	01/12/16	12/22/2016		12/14/2017			12/10/2018			
27	13-24-0801-002	x	GRACE, WILLIAM R		PO BOX 301	PO BOX 301	NEW CUMBERLAND	PA	17070	3605 R HARTZDALE DRIVE	27	SLD-2004-06		William R. Grace	Sand filter, detention basin	4.89	40.21887	-76.93443	CRM3	8/5	B							12/14/2017			12/10/2018	2/6/2019		
28	13-24-0795-165		CENTURY ROAD ASSOCIATES LLC		492 CAPITOL HILL ROAD		DILLSBURG	PA	17019	910 CENTURY DRIVE	28	SLD-2004-05		Century Road Associates	Stone filter/extended detention basin	1.26	40.214208	-76.961901	CRM3	2/7	C					12/22/2016		12/14/2017			12/10/2018			
29	13-10-0256-068	x	PRICE, DEREK D & CHRISTINA M	HOA	4526 WOODS WAY		MECHANICSBURG	PA	17055	4526 WOODS WAY – BASIN	29	SLD-200402	10/18/2016	Derek and Christina Price	Detention/infiltration basin	6.568	40.200759	-76.947761	CRT2	9/5	B			12/16/15	2/5/2016	12/22/2016		12/14/2017	1/26/2018		12/10/2018	1/11/2019		
30	13-24-0795-181	x	UNITED CEREBRAL PALSY OF CAPITAL AREA		925 LINDA LANE		CAMP HILL	PA	17011	801 UPLAND STREET	30	DP-2004-03	07/01/2004	Cumberland Perry Housing	Infiltration bed	0.32	40.214219	-76.959304	CRM3	8/4	C			12/16/15	01/06/16	12/22/2016		12/14/2017	4/11/2018	3/15/2018	12/10/2018			
31	13-25-0024-013		REGAL PARTNERS		4943 GETTYSBURG RD.		MECHANICSBURG	PA	17055	4943 GETTYSBURG ROAD	31	SLD-2003-02		Chang Mun Chon	Infiltration/detention basins	2.04	40.205313	-76.965995	CRM4	12/4	C			12/16/15	01/05/16	12/22/2016		12/14/2017			12/10/2018			
32	13-10-0258-007A		LOWER ALLEN TYP DEV AUTHORITY		2233 GETTYSBURG ROAD		CAMP HILL	PA		YETTER COURT – BASIN	32	SLD-2003-03		Lower Allen Township Development Authority	Detention basin	19.7	40.210828	-76.938959	CRM2	10/4	PAG2-0021-03-004R	10/29/14		12/16/15	07/07/16	12/22/2016	9/27/2017	12/14/2017			N/A	12/12/2018		
33	13-23-0545-416EX	x	WEST SHORE AREA SCHOOL DISTRICT		1301 CARLISLE ROAD		CAMP HILL	PA	17011	1301 CARLISLE ROAD	33	DP-2003-04	03/30/2016	West Shore School District	Sand filter	6.24	40.227845	-76.895749	YBC2	10/3	C			12/16/15	01/25/16			12/14/2017	12/19/2017	3/15/2018	12/5/2018	12/5/2018		
34	13-24-0797-218		CHRIST COMMUNITY CHURCH	CAMP HILL	1201 SLATE HILL ROAD		CAMP HILL	PA	17011	1201 SLATE HILL ROAD	34	DP-2003-06		Christ Community Church	Detention basin	1.98	40.212058	-76.945395	CRT2	3/4	B			12/16/15	02/11/16	12/22/2016		12/14/2017	4/11/2018	3/15/2018	12/10/2018	1/28/2019		
35	13-10-0256-044	x	HIGH HOTELS	ATTN: ACCOUNTING	PO BOX 10008	Town Place Suites	LANCASTER	PA	17605	4915 RITTER ROAD HOTEL	42	SLD 2013-03	09/24/2013	HIGH HOTELS, LTD	Detention basin / snouts	3.87	40.203506	-76.959048	CRM4	4/15	PAG-02-0021-13-016	11/20/14		12/16/15	02/11/16	12/22/2016	1/30/2017	12/14/2017	2/5/2018		12/10/2018			
36	13-10-0256-037	x	LINLO PROPERTIES III LP		150 CORPORATE CENTER DRIVE, SUITE 100		CAMP HILL	PA	17011	1215 MANOR DRIVE	47	SLD 2007-12	08/13/2008	Linlo Properties III LP	Detention basin; 2 WQ inserts / Rain garden	6.60 / 0.67	40.203358	-76.94828	CRT2	10/98 / 07/15	PAG2-0021-08-002	10/29/14	11/24/14	12/16/15	1/5/2016	12/22/2016	1/11/2017	12/14/2017	1/2/2018		12/10/2018	1/7/2019		
37		x	SCI CAMP HILL	DEPARTMENT OF CORRECTIONS	1920 TECHNOLOGY PARKWAY	Attn: Carol Piontkowski, P.E.	MECHANICSBURG	PA	17050	2500 LISBURN ROAD	49	SLD-2005-12	03/10/2006	PA Industrial School										10/29/14	1/8/2015	12/16/15	01/13/16	12/22/2016		12/14/2017	5/30/2018		12/10/2018			
38	13-23-0553-013	x	TRINITY HIGH SCHOOL	HARRISBURG	3601 SIMPSON FERRY ROAD	Attn: Kevin Heilman Building & Grounds Manager	CAMP HILL	PA	17011	3601 SIMPSON FERRY ROAD	56	DP 2015-02	05/09/2013	Roman Catholic Diocese of Harrisburg-Trinity High School	Infiltration bed	0.105	40.223735	-76.941255	CRT1	3/14	E&S Permit only	10/29/14	4/15/2016	12/16/15		12/22/2016		12/14/2017	6/29/2018	3/15/2018	12/10/2018			
39	13-23-0559-090	x	WERZYN, WILLIAM		5024 SIMPSON FERRY ROAD		MECHANICSBURG	PA	17055	5024 SIMPSON FERRY ROAD	57	SLD 2012-02	10/09/2012	William W. Werzyn, Jr.	Rain gardens, UG infiltration bed	1.09	40.219299	-76.971434	CRM3	3/14	C	10/29/14	2/2015	12/16/15	06/03/16			12/14/2017	01/18/18		12/10/2018	1/17/2018		
40	13-11-0270-042	x	LFGC, INCORPORATED		3804 LISBURN ROAD	PO BOX 1229	MECHANICSBURG	PA	17055	3804 LISBURN ROAD	59	SLD 2000-18	10/15/2003	LFGC, Inc.	Wet ponds/detention	78.87	40.173893	-76.928188	YBC4	10/1	B	10/29/14	1/21/2015	12/16/15	1/7/2016	12/22/2016	1/17/2017	12/14/2017	3/21/2018		12/10/2018	3/13/2019		
41	13-24-0795-170	x	950 WOODLAND INVESTMENTS LLC		4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	950 WOODLAND STREET	60	DP 2012-04	03/14/2013	John Ortenzio	UG detention,infiltration, Snout, Permeable paving	0.96	40.213382	-76.961217	CRM3	5/16	B	10/29/14	12/15/14	12/16/15	02/18/16	12/22/2016	1/19/2017	12/14/2017	4/4/2018	3/15/2018	12/10/2018	12/20/2018		
42	13-23-0553-026	x	GIOVAGNOLI, JOSEPH M & BECKY J		3403 CANYON CREEK		MECHANICSBURG	PA	17055	3702 GETTYSBURG ROAD	61	SLD 2011-02	01/15/2013	Joseph Giovagnoli	UG detention	0.86	40.222367	-76.941403	CRM3	10/13	B	10/29/14	11/4/2014	12/16/15		12/22/2016		12/14/2017	4/3/2018	3/15/2018	12/10/2018			
43	**13-23-0555-083**		**GRACE, WILLIAM R & ELIZABETH A**		**PO BOX 301**	**PO BOX 301**	**NEW CUMBERLAND**	**PA**	**17070**	**145 S LOCUST STREET**	**62**		**01/15/2013**	**William Grace**									**10/29/14**	**11/25/2014**	**12/16/15**	**01/19/16**	**12/22/2016**	**2/21/2017**	**12/14/2017**	**4/11/2018**	**3/15/2018**			**BMP not constructed yet**
44	13-23-0549-107	x	MEISER, MICHELLE		2420 MASSACHUSETTS AVENUE		CAMP HILL	PA	17011	2420 MASSACHUSETTS AVENUE	63		07/12/2012	Meiser, Michelle	Infiltration trench		40.2266	-76.923035	CRT1	3/11	C	10/29/14	1/12/2015	12/16/15	02/18/16	12/22/2016	1/13/2017	12/14/2017	2/2/2018		12/10/2018	1/7/2019		
45	13-23-0549-242	x	ACRI, SCOTT		2410 MASSACHUSETTS AVENUE		CAMP HILL	PA	17011	2410 MASSACHUSETTS AVENUE	64	SLD 2010-01	02/17/2012	Acri Scott	Infiltration trench	0.6	40.226676	-76.922479	CRT1	3/11	C	10/29/14	1/26/2015	12/16/15	2/1/2016	12/22/2016	2/6/2017	12/14/2017		3/15/2018	12/10/2018			
46	13-23-0549-109	x	ADA, HASSAN	& LAURA YOHE-ADA	2414 MASSACHUSETTS AVENUE		CAMP HILL	PA	17011	2414 MASSACHUSETTS AVENUE	65	SLD 2010-01	11/18/2011	Hasa, ADA	Infiltration trench	0.6	40.226642	-76.922663	CRT1	3/11	C	10/29/14	12/10/2014	12/16/15	1/6/2016	12/22/2016	1/6/2017	12/14/2017	12/26/2017		12/10/2018	12/20/2018		
47	13-10-0260-010	x	PEIFFER, DAVID H		BROOKVIEW DRIVE	PO BOX 422	NEW CUMBERLAND	PA	17070	1841 BROOK VIEW DRIVE	66	SLD 2011-07	11/18/2011	David H. Peiffer	Infiltration trench	0.344	40.219347	-76.882256	YBC1	10/13	B	10/29/14	2/5/2015	12/16/15	02/01/16	12/22/2016	1/30/2017	12/14/2017	1/29/2018		12/10/2018	12/26/2018		
48	13-10-0258-063	x	RUEL, JONATHAN R & JADE Z		1595 THOMPSON LANE		MECHANICSBURG	PA	17055	1595 THOMPSON LANE	67	DP 2011-01	08/24/2011	Jonathan & Jade Ruel	Infiltration basins and trench	0.241	40.191553	-76.926945	YBC3	3/13	B	10/29/14	11/5/2014	12/16/15	03/04/16	12/22/2016	1/19/2017	12/14/2017	12/27/2017		12/10/2018			
49	13-23-0551-153	x	SISTI, RONALD D	& HOLLY A SISTI	21 SANTA MARIA AVENUE		CAMP HILL	PA	17011	21 SANTA MARIA AVENUE	68	CP 20090585	08/24/2011	Ronald & Holly Sisti	Infiltration bed	0.044	40.22544	-76.923968	CRT1	7/11	B	10/29/14		12/16/15	05/31/16	12/22/2016		12/14/2017	3/19/2018	3/15/2018	12/10/2018	12/21/2018		
50	13-11-0270-098	x	DUFFEY, HAROLD E II	& CONSTANCE M DUFFEY	1718 LIBERTY COVE		MECHANICSBURG	PA	17055	1718 LIBERTY COVE	69		08/24/2011	DUFFEY, HAROLD E II & CONSTANCE M DUFFEY	Infiltration trench	0.145	40.190452	-76.927736	YBC3	8/13	B	10/29/14	1/30/2015	12/16/15	1/21/2016	12/22/2016	1/25/2017	12/14/2017	12/26/2017		12/10/2018			
51	13-23-0553-064	x	SHEKER FAMILY LIMITED PARTNERSHIP		75 ZIMMERMAN DRIVE		CAMP HILL	PA	17011	75 ZIMMERMAN DRIVE	70	SLD 2010-05	05/12/2011	Larry Sheker, Sheker Family Trust	Porous asphalt, infiltration bed	0.045	40.225225	-76.937968	CRT1	3/12	C	10/29/14	11/3/2014	12/16/15	05/31/16	12/22/2016	1/11/2017	12/14/2017	12/23/2017		12/10/2018	12/21/2018		
52	**13-10-0258-015**	x	**CHRISTIAN LIFE ASSEMBLY OF GOD**		**2645 LISBURN ROAD**		**CAMP HILL**	**PA**	**17011**	**2645 LISBURN ROAD**	**71**		**09/24/2013**	**Christian Life Assembly not built**									**10/29/14**		**12/16/15**		**12/22/2016**	**1/24/2017**	**12/14/2017**	**3/27/2018**	**3/15/2018**	**12/10/2018**	**BMP NOT BUILT**	
53	13-11-0270-101	x	SOURBEER, CHARLES HOYER	& VICKI LOUISE SOURBEER	1730 LIBERTY COVE		MECHANICSBURG	PA	17055	1730 LIBERTY COVE	72	SLD 2005-24	01/13/2011	Rosalie H. Roland	Infiltration trench	0.58	40.189787	-76.927422	YBC3	3/11	B	10/29/14		12/16/15	02/10/16	12/22/2016	1/17/2017	12/14/2017	3/23/2018	3/15/2018	12/10/2018			
54	**13-10-0260-005**	x	**EWING, CHARLES D**		**135 PIN OAK DRIVE**		**NEW CUMBERLAND**	**PA**	**17070**	**1425 SPANGLERS MILL ROAD**	**73**		**08/25/2009**	**Charles D. Ewing Cell tower**									**10/29/14**		**12/16/15**		**12/22/2016**		**12/14/2017**		**3/15/2018**		**BMP not constructed yet**	
55	13-23-0559-088	x	MOTEL SLEEPERS INC		100 MORGAN KEEGAN DRIVE		LITTLE ROCK	AR	72202	5022 ARTHUR AVENUE	74	SLD 2009-04	08/25/2009	Motel Sleepers, Inc.	Porous asphalt, bioretention/infiltration areas	2.11	40.218948	-76.970447	CRM3	3/10	C	10/29/14		12/16/15	01/07/16	12/22/2016		12/14/2017	3/27/2018	3/15/2018	12/10/2018			
56	13-11-0270-097	x	GASSNER, RUDOLF & GERTRUDE V		1712 LIBERTY COVE		0 MECHANICSBURG	PA	17055	1712 LIBERTY COVE	75			Rudolf Gassner	Infiltration trench	0.165	40.190765	-76927860	YBC3	10/9	B	10/29/14	12/10/2014	12/16/15	12/30/15	12/22/2016	1/11/2017	12/14/2017	3/28/2018	3/15/2018	12/10/2018	12/18/2018		
57	13-31-2136-001A	x	FREELAND, JEREMY & LAUREN		1435 MAIN STREET	-	MECHANICSBURG	PA	17055	1435 MAIN STREET	76	DP 2009	10/22/2009	FREELAND, JEREMY & LAUREN	Rain garden	0.024	40.167639	-76.91092	YBC4	10/11	B	10/29/14		12/16/15	02/02/16	12/22/2016	1/23/2017	12/14/2017	3/23/2018	3/15/2018	12/10/2018	1/31/2019	YES	
58	13-24-0795-003	x	OLD GETTYSBURG ASSOCS IV LP	C/O SELECT CAPITAL CORP.	4732 GETTYSBURG ROAD		MECHANICSBURG	PA	17055	4718 GETTYSBURG ROAD	77	DP 2005-01	10/28/2005	Old Gettysburg Assocs. IV LP	Porous asphalt, infiltration beds	0.729	40.21262	-76.958505	CRM3	6/8	C	10/29/14	12/15/14			12/22/2016	1/19/2017	REV. 1/5/18	3/20/2018	3/15/2018	12/10/2018	12/20/2018		
59	13-31-2136-026	x	BOOHER, STEVEN R & BARBARA A		1504 MAIN STREET		MECHANICSBURG	PA	17055	1435 MAIN STREET	78	DP 2009-03	10/22/2009	Billy B. Sheaffer III & Kelly L. Sheaffer	Rain garden	0.815	40.17025	-76.923341	YBC4	3/10	B	10/29/14		11/20/14		12/22/2016		12/14/2017		3/15/2018	12/10/2018			
60	13-09-0547-007	x	SCI CAMP HILL	DEPARTMENT OF CORRECTIONS	1920 TECHNOLOGY PARKWAY	Attn: Carol Piontkowski, P.E.	MECHANICSBURG	PA	17050	2500 LISBURN ROAD	79	SLD 2009-02	03/02/2010	The Commonwealth of Pennsylvania								10/29/14	1/8/2015	12/16/15	01/13/16	12/22/2016		12/14/2017	5/30/2018		12/10/2018			
61	13-10-0258-012	x	YETTER COURT ENTERPRISES LLC		2700 YETTER COURT	2700 YETTER COURT	CAMP HILL	PA	17011	2700 YETTER COURT	80	SLD 2012-01	08/31/2012	Yetter Court Enterprises, LLC	Infiltration/detention basin	46.83	40.214487	-76.930124	CRM2	8/15	PAG2-0021-03-004R	10/29/14	01/15/15	12/16/15	1/6/2016	12/22/2016	1/5/2017	12/14/2017		3/15/2018	12/10/2018			
62	13-31-2134-059	x	MACINTIRE, KYLE & JESSICA		1712 MAIN ST.		MECHANICSBURG	PA	17055	1712 MAIN ST.	81	CP 20160528	05/14/2009	MACINTIRE, KYLE & JESSICA	UG infiltration trench	0.044	40.184857	-76.930074	YBC3	11/16	B					12/22/2016		12/27/2017	4/11/2018	3/15/2018	12/10/2018	12/17/2018		
63	13-09-0547-007		SCI CAMP HILL	CAMP HILL CORRECTIONAL INST	2500 LISBURN ROAD		CAMP HILL	PA	17011	2500 LISBURN ROAD	82			Commonwealth of Pennsylvania								10/29/14	1/8/2015	12/16/15	01/13/16	12/22/2016		12/14/2017			12/10/2018			
64	13-25-0020-054A	x	SKYLINE STEEL LLC		8 WOODHOLLOW ROAD	SUITE 102	PARSIPPANY	NJ	7054	1250 SAINT JOHNS ROAD	84	SLD 2008-04	09/13/2008	PA Pipe, LLC	Infiltration/detention basin	0.365	40.214122	-76.943221	CRT2	3/9	PAG2-0021-08-013	10/29/14				12/22/2016	1/31/2017	12/14/2017	1/31/2018		12/10/2018	1/28/2019		
65	13-11-0270-099	x	JOHN J ELTRINGHAM	&CLAIR R SHOCKEY	1724 LIBERTY COVE		MECHANICSBURG	PA	17055	1724 LIBERTY COVE	86		09/10/2008	William A. Wray Jr. & Kay G. Wray	Infiltration trench	0.22	40.190197	-76.927635	YBC3	8/8	B	10/29/14	11/10/2014	12/16/15	02/12/16	12/22/2016	1/3/2017	12/14/2017	12/26/2017		12/10/2018	12/13/2018		
66	13-23-0559-087	x	EAH PROPERTY HOLDINGS INC.		5030 ARTHUR DRIVE		MECHANICSBURG	PA	17050	5030 ARTHUR AVENUE	87	SLD 2008-05	09/25/2008	L. Lance Bonsall	Rain gardens	1	40.218511	-76.972186	CRM3	3/9	C	10/29/14	12/09/14	12/16/15	01/05/16	12/22/2016		12/14/2017	4/4/2018	3/15/2018	12/10/2018	12/26/2018		
67	13-24-0795-174A	x	HOLY SPIRIT CANCER CENTER		880 CENTURY DRIVE		MECHANICSBURG	PA	17055	880 CENTURY DRIVE	88	SLD 2007-09	01/10/2008	Capital Area R.T. Associates	Rain garden, UG detention	2.79	40.212706	-76.963833	CRM3	3/9	B	10/29/14	12/11/14	12/16/15	12/30/15	12/22/2016	4/12/2017	12/14/2017	01/10/18		12/10/2018	12/21/2018		
68	13-23-0553-060	x	KOLLAS, WILLIAM C & DIANNE L

ATTACHMENT #25

TOWNSHIP BMP INSPECTIONS

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Lower Allen Township Community Park
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/12/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	Wood in outlet deteriorating
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	Slightly overgrown but OK.
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	None	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Name (print)	Signature	Date
[illegible]	Rebecca L. Davis	12/12/18

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address MSC BMPs
Lower Allen Township	2233 Gettysburg Road, Camp Hill, Pa 17011
Tax Parcel ID No. 13-23-0849-018A	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/12/18

Inspection of Open Basins: Rain Gardens

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	Removed excess mulch from outlet structures
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	Mulch in excess. Erosion in areas - add rock in spring.
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities: Level spreader, porous pavement, grass pavers

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	Some bare spots in grass pavers
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Submitted by:

Rebecca Davis	[signature]	12/12/18
Name (print)	Signature	Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Public Works Facility 1400 Saint Johns Road - Front of property
Tax Parcel ID No. 13-25-0020-062EX	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/12/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	N	Outlet pipe is rusted at bottom
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N/A	
Safety	Y	Secured area

Inspection of Subsurface Storage/Infiltration Facilities: N/A

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Rebecca L. Davis	[signature]	12/12/2018
Name (print)	Signature	Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Public Works - 1400 Quint Johns Rd Salt Settling Basin (Infiltration)
Tax Parcel ID No. 13-25-0020-061 EX	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/12/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		No outlet structure - Settling Basin
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N/A	
Safety	Y	Restricted Access

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	N/A	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N/A	
Safety	Y	Restricted access

Submitted by:

Rebecca L. Davis	[signature]	12/12/18
Name (print)	Signature	Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Sheepford Crossing East Ewe Road Cul de Sac
Tax Parcel ID No. 13-20-0251-160 EX	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/12/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	Some erosion at outlet + Leaf debris
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	Some sediment / leaves in forebay
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities: N/A

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Rebecca L. Davis	RLDi	12/12/18
Name (print)	Signature	Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Sheepford West Basin Corner of Lisburn and Sheepford Roads
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-26-0251-039EX	

Date of Inspection: 12/12/18

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	Outlet structure has a crack + grate missing but sound
Stability of embankments and other soil areas	Y	Sink hole repaired by public works in Fall 2018
Integrity and condition of vegetation	Y	Dry Bottom
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N/A	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities: N/A

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Rebecca L. Davis — Name (print)

Rebecca L. Davis — Signature

12/12/18 — Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Oxford Drive - Moreland Basin
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-24-0791-002FEX	

Date of Inspection: 12/12/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	Temporary riser but working ok.
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	Facility is fenced

* One of the inlet structures is bent. Appears to have been run over. Will add to repair list.

Inspection of Subsurface Storage/Infiltration Facilities: N/A

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Rebecca L. Davis — Name (print)

Signature

12/12/2018 — Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	2750 Yetter Court - Yetter Court basin
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-09-0547-009EX	

Date of Inspection: 12/12/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	Parging at inlet along St. Johns - could be patched
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	n/a	
Safety	OK	

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities		
Stability of soil over and adjacent to the facility		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Submitted by:

Rebecca L. Davis — Name (print)

[signature] — Signature

12/12/2018 — Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address Creekwood Park
Lower Allen Township	150 Creekwood Dr.
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)
13-25-0010-112EX	

Date of Inspection: 12/12/2018

Inspection of Open Basins:

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances		
Stability of embankments and other soil areas		
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety		

Porous asphalt + riparian buffer

Inspection of Subsurface Storage/Infiltration Facilities:

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N/A	
Safety	Y	

Submitted by:

Rebecca L. Davis — Name (print)

Signature

12/12/18 — Date

Lower Allen Township
National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4) Permit

Stormwater Management Facilities and Best Management Practices (BMP)
Operation and Maintenance Inspection Report

Property Owner Name(s)	Property Address
Lower Allen Township	Cedar Run Park 2217 Gettysburg Road
Tax Parcel ID No. 13-23-0549-019EX	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12/12/18

Inspection of Open Basins: Rain Gardens

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation		
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	
Safety	Y	

Inspection of Subsurface Storage/Infiltration Facilities: Porous Pavement / Riparian Buffer

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	N/A	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	N	Pavement should be cleaned in spring
Safety	Y	

Submitted by:

Rebecca Davis	[signature]	12/12/18
Name (print)	Signature	Date

ATTACHMENT #26

PUBLIC WORKS FACILITIES LIST

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
7	Highland Estates Playground	1914 Letchworth Drive	Neighborhood park	0.5	Pavilion; picnic tables; play structure; swing set	Recreation	Maintenance	Trash	None
8	Peters Field	3811 Gettysburg Road	Neighborhood park; regional athletic fields	3.0	Baseball fields; tennis court; basketball court; swing set; slide; pavilion; concession stand; restroom; parking lot	Recreation; youth sports	Maintenance	Trash; vehicles drippings	None
9	Vernon C. Wass Park	301 Wesley Drive	Regional park	10.0	Pavilion; restrooms; play structure; swing set; sand box; picnic tables; softball fields; volleyball court; lighted basketball and tennis courts; walking path; parking lot	Recreation; youth sports	Maintenance	Trash; vehicle drippings	None
10	Sheepford Crossing.	16 Argali Lane	Neighborhood park	1.5	Pavilion; picnic tables; basketball court; swing set; play structure	Recreation	Maintenance	Trash	None
11	Yellow Breeches Park	2050 Sheepford Road	Passive recreation	14.0	Hiking trail; picnic tables; creek access; water trail; community gardens	Recreation; gardening; fishing	Maintenance	Trash	None

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
12	Lower Allen Community Park (LACP)	4075 Lisburn Road	Regional park; regional sports activities	110.0	Pavilions, play structures, Fun Fort, swing sets; volleyball courts; basketball courts; tennis courts; camp sites; boat ramp; nature trail; fishing pond; soccer fields; softball fields; golf driving range; community "barn" building; parking lots; dog park	Recreation; team athletic functions; group rentals at "barn" and pavilions	Maintenance; community events	Trash; vehicle drippings; pet waste	Stormwater basin; grass-lined swale
13	Windsor Park Triangle	5200 Block Oxford Drive	Neighborhood passive recreation	1.0	None	Recreation	Maintenance	Trash	None
14	Moreland Basin	5400 Block Oxford Drive	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
15	Sheepford Crossing Basin 1	Sheepford Road at Lisburn Road	Stormwater detention basin	0.5	Basin with outlet structure	None	Maintenance	Trash; vehicle drippings; other material in street runoff	SWM basin; rock filter at outlet structure

	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, inlet protection
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

	Name	Location	Description	Acres	Facilities	Uses/ Activities	Township Operations	Potential Pollutants	BMPs
20	Spring Lake Colony Lots	Between Orchard Road and Shetter Lane	Vacant wooded lots	1.6	None	None	None	None	None
21	Municipal Services Center	2233 Gettysburg Road	Township office	6.7	Office; vehicle storage; parking lots	Office; police, fire and EMS operations	Office building; parking lot; building and site maintenance	Trash, vehicle drippings	Rain gardens; porous asphalt parking lot; infiltration trench
22	Cedar Spring Run Park	2239 Gettysburg Road	Play area; walking path; restrooms; pedestrian bridge	2.5	Restroom; parking area; walking path; seating area	Recreation	Maintenance	Trash; vehicle drippings	Rain gardens; porous concrete parking area; riparian buffer
23	Vacant Land	3529 Lisburn Road	Vacant Land	.81	None	None	None	Trash	None

ATTACHMENT #27

PUBLIC WORKS OPERATION AND MAINTENANCE REPORT

Lower Allen Township
Storm Water Management Plan
Pollution Prevention/Good Housekeeping
Operations and Maintenance Program

STREET SWEEPER CAPACITY 6 CUBIC YARDS FULL

START DATE – 4-11-18 **END DATE –** 1-8-19

OPERATORS NAME - Scott

Storm water inlets cleaned:

Lower Allen Township:	157
PennDOT:	119
Total:	276
Loads:	9
Pounds Per Loads:	**3300**
Total Pounds:	29,700
Total Tonnage:	14.85
Number of Days to complete project:	

Street Sweeping: 3 TOTAL ROUNDS

Loads:	118
Pounds Per Load:	**5190**
Total Pounds:	612,420
Total Tonnage	306

Curb miles of street cleaned annually by street sweeping operations 660

Loads of sweepings collected annually by street sweeping operations 118

Loads of leaves removed from streets annually by leaf recycling operations 191

LOCATION:

LOWER ALLEN TOWNSHIP PUBLIC WORKS
1400 ST. JOHNS RD
CAMP HILL PA. 17011

STORM WATER MANAGEMENT PLAN
POLLUTION PREVENTION/GOOD HOUSEKEEPING
OPERATIONS AND MAINTENANCE PROGRAM

2018

Salt separator and storm water inlets cleaned:

Date cleaned: 3/1/18 + March 14, 2019
Method used: Street sweeper
Personnel: Ryan, Jeff

Internal drainage system cleaned:

Date cleaned:
Method used: Electric Eel
Personnel:

Oil Interceptor cleaned:

Date cleaned: 2/22/18 6/13/18 10/11/18 12/5/18
Method used: Shop Vac
Personnel: Ryan, Scott, Ben, Matt

Porous Blacktop Sweeping at MSC, Creekwood Park, CSRP, Pete's Field:

Dated cleaned: 6/5/18
Method used: Street Sweeper (Vacuumed)
Personnel: Scott

2 Inlet Box Sponge Baskets at the North side of Public Works Building:

Date cleaned: 3/1/18 6/14/18 7/19/18
Method used: Manually
Personnel: Ryan, Jeff, Ben

Contractor Advanced Disposal Street Sweepings Disposal: 5/24/18-85.83 Tn.
6/8/18-16.27 Tn.
11/14/18-16.17 Tn.

Advanced Disposal

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135 VAUGHN RD
SHIPPENSBURG PA 17257

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Phone PIN: 1221570840000

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000007 000000046

LOWER ALLEN TOWNSHIP
1400 SAINT JOHNS RD
CAMP HILL PA 17011-8033

Account Information

Account Number	LC157084
Site Number	0000
Invoice Date	May 15, 2018
Invoice Number	LC0003847448

Account Summary

Previous Balance	$0.00
Payments/Adjustments	$0.00
Current Invoice Amount	$2,186.12

Amount Due **$2,186.12**
Due Date **Upon Receipt**

Invoice Breakdown

Current	$2,186.12
30 days - past due	$0.00
60 days - past due	$0.00
90 days - past due	$0.00

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Previous Balance	**$0.0**
Payments and Adjustments	**$0.0**

LOWER ALLEN TOWNSHIP (0001)
1400 ST JOHNS RD CAMP HILL , PA

Date	Description	Reference	Qty	Unit Price	Amoun
1.00 - 30.00YD:PERM RO TRASH (001)					
05/14/18	ROLL OFF DELIVERY: 760328	BOB NAILOR	1.00	100.00	100.0
05/15/18	ROLL OFF EXCHANGE: 760885		1.00	275.00	275.0
05/15/18	MSW	C2 244512	16.63TN	40.00	665.2
05/15/18	ROLL OFF EXCHANGE: 760634		1.00	275.00	275.0
05/15/18	MSW	C2 244556	19.58TN	40.00	783.2
	SITE TOTAL				**2,098.4**
05/15/18	PA GAS TAX CHARGE		1.00	4.83	4.8
05/15/18	COMPLIANCE AND BUSINESS IMPACT CHARGE	SC3695338	1.00	82.89	82.8

Current Charges	**$2,186.1**
Amount Due	**$2,186.1**

APPROVED FOR PAYMENT
DATE 5/22/18 DEPT 04-427.459
Street Sweeping Disposal

LC180516.I01.txt-13-000000046

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005723 000000565

LOWER ALLEN TOWNSHIP
1400 SAINT JOHNS RD
CAMP HILL PA 17011-8033

2

Account Information

Account Number	LC157084
Site Number	0000
Invoice Date	May 31, 2018
Invoice Number	LC0003857923

Account Summary

Previous Balance	$2,186.12
Payments/Adjustments	$0.00
Current Invoice Amount	$2,927.25

Amount Due **$5,113.37**

Due Date **Upon Receipt**

Invoice Breakdown

Current	$5,113.37
30 days - past due	$0.00
60 days - past due	$0.00
90 days - past due	$0.00

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LC180601.l01.txt-11445-000000565

Previous Balance **$2,186.1**

Payments and Adjustments **$0.0**

LOWER ALLEN TOWNSHIP (0001)
1400 ST JOHNS RD CAMP HILL , PA

Date	Description	Reference	Qty	Unit Price	Amour
1.00 - 30.00YD:PERM RO TRASH (001)					
05/17/18	ROLL OFF EXCHANGE: 760635		1.00	275.00	275.(
05/17/18	MSW	C2 244808	17.21TN	40.00	688.4
05/21/18	ROLL OFF EXCHANGE: 761286	BRIAN	1.00	275.00	275.(
05/21/18	MSW	C2 245146	14.67TN	40.00	586.8
05/24/18	ROLL OFF EXCHANGE: 761838	BRIAN	1.00	275.00	275.(
05/24/18	MSW	C2 245595	17.74TN	40.00	709.6
	SITE TOTAL				2,809.8
05/31/18	PA GAS TAX CHARGE		1.00	6.46	6.4
05/31/18	COMPLIANCE AND BUSINESS IMPACT CHARGE	SC3701069	1.00	110.99	110.9

Current Charges **$2,927.2**

Amount Due **$5,113.3**

APPROVED FOR PAYMENT
DATE 6/11/18 DEPT 04-427.459
Street Sweeping Disposal

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LOWER ALLEN TOWNSHIP
1400 SAINT JOHNS RD
CAMP HILL PA 17011-8033

2

Account Information

Account Number	LC157084
Site Number	0000
Invoice Date	June 15, 2018
Invoice Number	LC0003870098

Account Summary

Previous Balance	$5,113.37
Payments/Adjustments	-$2,186.12
Current Invoice Amount	$964.50

Amount Due **$3,891.75**

Due Date **Upon Receipt**

Invoice Breakdown

Current	$3,891.75
30 days - past due	$0.00
60 days - past due	$0.00
90 days - past due	$0.00

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Previous Balance **$5,113.3**

06/04/18 Lockbox Automated -$2,186.12

Payments and Adjustments **-$2,186.1**

LOWER ALLEN TOWNSHIP (0001)
1400 ST JOHNS RD CAMP HILL , PA

Date	Description	Reference	Qty	Unit Price	Amoun
1.00 - 30.00YD:PERM RO TRASH (001)					
06/08/18	ROLL OFF FINAL PULL: 764440		1.00	275.00	275.0
06/08/18	MSW	C2 247416	16.27TN	40.00	650.8
	SITE TOTAL				**925.8**
06/15/18	PA GAS TAX CHARGE		1.00	2.13	2.1
06/15/18	COMPLIANCE AND BUSINESS IMPACT CHARGE	SC3704413	1.00	36.57	36.5

Current Charges $964.5

Amount Due $3,891.7

APPROVED FOR PAYMENT
DATE 6/28/18 DEPT 04-427.459

Street Sweeping Disposal

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000004 000000032

LOWER ALLEN TOWNSHIP
1400 SAINT JOHNS RD
CAMP HILL PA 17011-8033

2

Account Information

Account Number	LC158145
Site Number	0000
Invoice Date	November 15, 2018
Invoice Number	LC0003902412

Account Summary

Previous Balance	$0.00
Payments/Adjustments	$0.00
Current Invoice Amount	$1,046.80

Amount Due $1,046.80
Due Date Upon Receipt

Invoice Breakdown

Current	$1,046.80
30 days - past due	$0.00
60 days - past due	$0.00
90 days - past due	$0.00

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Previous Balance	**$0.00**
Payments and Adjustments	**$0.00**

LOWER ALLEN TOWNSHIP (0001)
1400 ST JOHNS ROAD CAMP HILL, PA

Date	Description	Reference	Qty	Unit Price	Amount
1.00 - 30.00YD:TEMP RO TRASH (001)					
11/09/18	ROLL OFF DELIVERY: 783380		1.00	125.00	125.00
11/14/18	ROLL OFF FINAL PULL: 783800	MARK H	1.00	275.00	275.00
11/14/18	MSW	C2 266291	16.17TN	40.00	646.80
	SITE TOTAL				**1,046.80**

Current Charges	**$1,046.80**
Amount Due	**$1,046.80**

LC181210I001.txt-7-000000032

APPROVED FOR PAYMENT
DATE 12/19/18 DEPT 04-427.459
street sweepings

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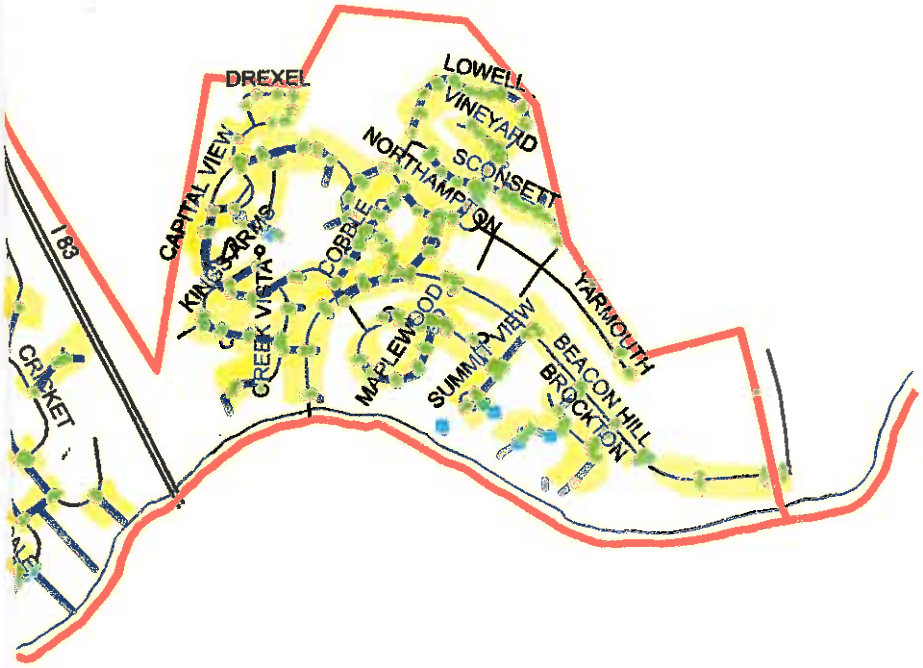
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HIGHLAND
LETCHWORTH
19TH
20TH
CARLISLE
VILLAGE
CORNELL
COLGATE
WEST SHORE
183 S ONRAMP EXIT 40B
NAILOR
LISBURN
CITADEL
CLEMSON
COLUMBIA
CENTER
AMHERST
GRINNEL
WILLOW
HOLLY
PINE
21ST
CEDAR RUN
LISBURN
EDGAR
CEDAR CLIFF
OLD MILL
OLMSTEAD
CANDLEWYCK
BLACKLATCH
DEERFIELD
183
BEAVER
CREEK
LANTERN
CHIMNEY
MILLTOWN
SHETTERS
SPANGLERS MILL
HEARTH
FINEVIEW
CRICKET
BLACKSMITH
WINDING
ALLENDALE
CREEKWOOD


DREXEL
LOWELL
VINEYARD
NORTHAMPTON
SCONSET
CAPITAL VIEW
KINGS ARMS
CREEK VISTA
COBBLE
MAPLEWOOD
SUMMIT VIEW
BEACON HILL
BROCKTON
YARMOUTH
CRICKET
I 83

LOCATION:

LOWER ALLEN TOWNSHIP PUBLIC WORKS
1400 ST. JOHNS RD
CAMP HILL PA. 17011

STORM WATER MANAGEMENT PLAN
POLLUTION PREVENTION/GOOD HOUSEKEEPING
OPERATIONS AND MAINTENANCE PROGRAM

2019

Salt separator and storm water inlets cleaned:

Date cleaned: 4/2/19
Method used: Street sweeper
Personnel: Ben, Matt

Internal drainage system cleaned:

Date cleaned:
Method used: Electric Eel
Personnel:

Oil Interceptor cleaned:

Date cleaned: 3/6/19
Method used: Shop Vac
Personnel: Ryan, Scott, Ben, Matt

Porous Blacktop Sweeping at MSC, Creekwood Park, CSRP, Pete's Field:

Dated cleaned:
Method used: Street Sweeper (Vacuumed)
Personnel: Scott

2 Inlet Box Sponge Baskets at the North side of Public Works Building:

Date cleaned: 4/2/19
Method used: Manually
Personnel: Ben, Matt

Contractor Street Sweepings Disposal:

ATTACHMENT #28

PRP BMP INVENTORY

BMP INVENTORY FOR PRP PLAN IMPLEMENTATION											
BMP #	**BMP Name**	**DA (AC)**	**% Imp**	**BMP Extent**	**Units**	**LAT**	**LONG**	**Date Installed**	**Annual Sediment Load Reduction (lbs/year)**	**Date of Latest Inspection**	**Satisfactory?**
1	4915 Ritter Road, High Hotels	3.87	56%	100%	AC	40°12'12"	-076°57'32"	4/2015	3938.55	1/30/17	YES
2	2700 Yetter Court, Yetter Court Enterprises	46.83	43%	100%	AC	40°12'62"	-076°55'48"	8/2015	42585.06	1/5/17	YES
3	850 Lisburn Road, Brooks Edge	8.35	38%	100%	AC	40°13'26"	-076°54'54"	10/2015	6915.91	4/11/18	YES
4	960 Century Drive, Select Capital Corp.	9.821	58%	100%	AC	40°12'49"	-076°57'37"	10/2014	11131.42	1/24/18	YES
5	4732 Gettysburg Rd., Old Gettysburg Associates	5.24	77%	100%	AC	40°12'40"	-076°57'36"	10/2016	7419.59	12/26/17	YES
6	2233 Gettysburg Road, Lower Allen Township Offices	5.60	45%	100%	AC	40°13'03"	-076°52'19"	2008 & 10/2015	5227.04	9/27/17	YES
7	Yarmouth Lane/Beacon Hill Basins	16.50	33%	100%	AC	40°13'07"	-076°52'22"	3/2008	12449.61	1/31/16	YES

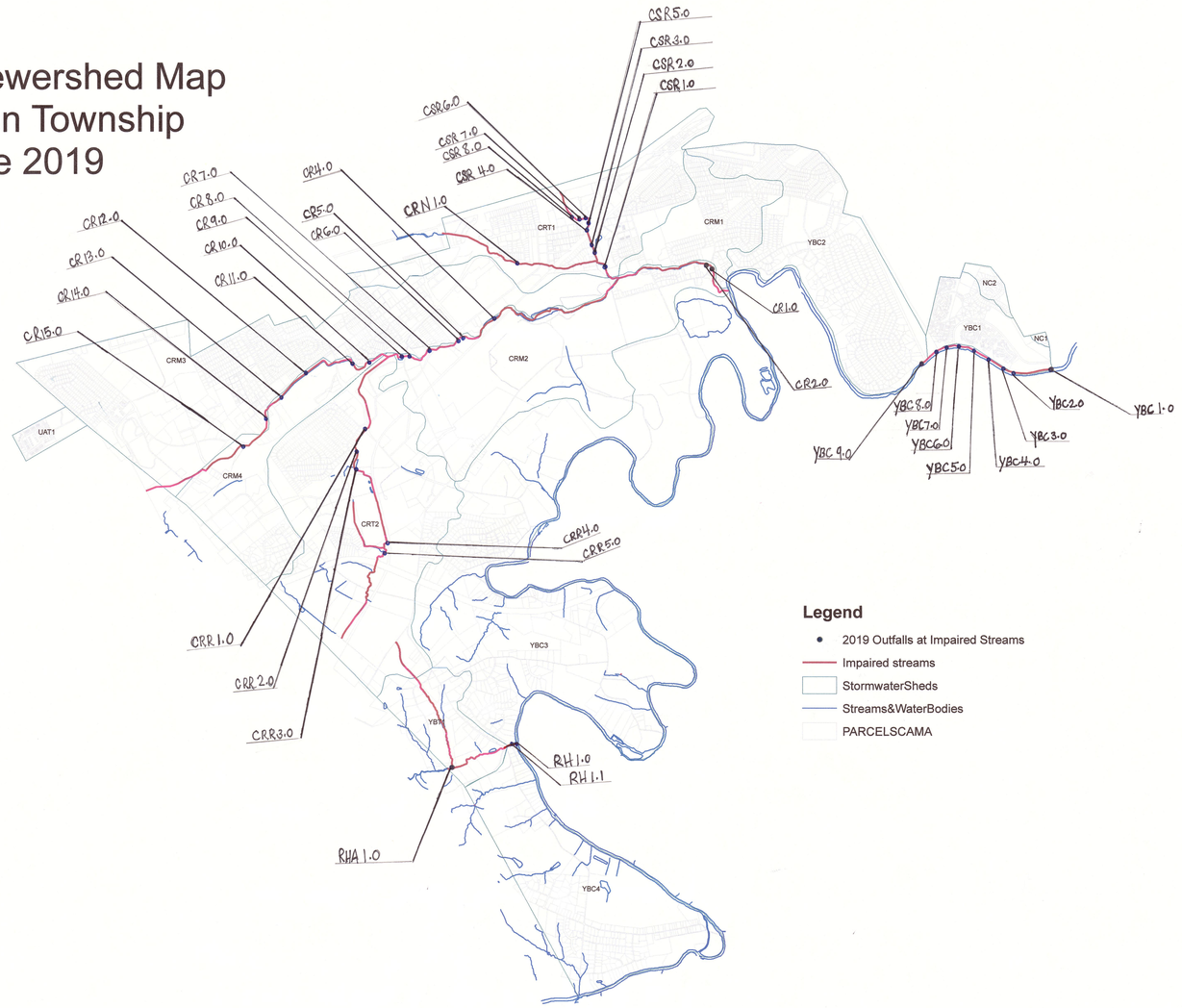
BMP #	BMP Name	DA (AC)	% Imp	BMP Extent	Units	LAT	LONG	Date Installed	Annual Sediment Load Reduction (lbs/year)	Date of Latest Inspection	Satisfactory?
8	Stone Gate Village Basins	7.89	56%	100%	AC	40°12’29”	-076°56’06”	10/2016	8634.04	1/2017	YES
9	Liberty Cove Basins	3.15	32%	100%	AC	40°11’27”	-076°55’36”	3/2009	2316.29	2/23/18	YES
10	4545 Westport Drive, VFW POST 7530	5.38	36%	100%	AC	40°12’20”	-076°56’52”	2/2007	4287.92	12/26/17	YES
11	4526 Woods Way, Manor at Westport Basins 3 & 4	6.568	15%	100%	AC	40°12’02”	-076°56’51”	9/2005	3387.40	1/26/18	YES
12	4513 Woods Way, Manor at Westport Basins 1 & 2	10.37	32%	100%	AC	40°12’06”	-076°56’45”	9/2005	7622.38	3/20/18	YES
13	4165 Birchwood Lane	4.52	22%	100%	AC	40°10’04”	-076°55’26”	1/2007	1876.79	8/1/16	YES
14	4118 Willow Bend Road, Basin No. 2	2.60	27%	100%	AC	40°10’05”	-076°55’13”	8/2006	1724.46	3/1/16	YES
15	4118 Willow Bend Road, Basin No. 1	4.78	16%	100%	AC	40°10’05”	-076°55’13”	4/2006	1682.05	1/1/16	YES
16	4921 Gettysburg Road, Hotel	6.14	42%	100%	AC	40°12’26”	-076°57’49”	6/2007	5427.71	1/12/16	YES

17	Strong Road, Highpoint Phases 1.1, 1.2, & 1.4	43.302	35%	100%	AC	40°11’36”	-076°56’46”	10/2014	33892.07	12/26/17	YES

ATTACHMENT #29

PCM STORM SEWERSHED MAP

PCM Storm Sewershed Map
Lower Allen Township
June 2019



ATTACHMENT #30

PCM CORRESPONDENCE WITH PADEP

PADEP EMAIL RESPONSE DATED 5/28/2019

Delete | Respond | Move | Tags | Editing | Speech | Zoom

Assessment information

Reply | Reply All | Forward | ...

SA

Arwood, Scott <sarwood@pa.gov>
To Rebecca Davis
Cc Rakowsky, Jacob

Tue 5/28/2019 3:03 PM

You forwarded this message on 5/28/2019 3:04 PM.

LAT sample points.jpg
.jpg File

Hi Rebecca,
I received your letter about the stream assessments in Lower Allen Township.

Regarding Appendix C, priority organics, in this case we are not expecting anything other than PCB source inventory/investigation.

Regarding Appendix B, sample locations can be viewed on eMapPA website. See attached. I am told that sample test data can sometimes be viewed on eMapPA, but not in this case. We are working to access that data, and will let you know when we get it. Generally speaking, a pathogen impairment is applied if the fecal coliform level exceeds 200 cfu/100 mL based on 5 samples taken over a 30-day period.

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

As of July 1, 2019 the 24-hour Emergency Response Number will be 1-800-541-2050. Until then, please use the current ER number: 1-866-825-0208.

LOWER ALLEN TOWNSHIP
Founded 1850
2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

May 23, 2019

Pennsylvania Department of Environmental Protection
Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110
Attn: Maria D. Bebenek, P.E., Environmental Program Manager

Re: Lower Allen Township, Cumberland County, PAG-13 General Permit
NPDES Permit No. PAG133711

Dear Ms. Bebenek,

This correspondence is in reference to Lower Allen Township's PAG-13 NPDES General Permit and the requirements of Appendix B and Appendix C of the permit. Both Appendices require Pollutant Control Measures (PCM) for waters that are declared "impaired" by the Department for Pathogens (e.g., Fecal Coliform), and Priority Organic Compounds including but not limited to Polychlorinated Biphenyls (PCBs) pesticides, or other organic compounds listed at 40 CFR Part 423, Appendix A. The Appendix A reference lists over 120 pollutants.

Part of the PCM requirements include developing an inventory of all suspected and known sources of the pollutants and any corrective action plan the permittee has taken for the sources. In addition, an investigation must be completed for each suspected source and include stormwater sampling of the source.

After consultation of the MS4 Requirements mapping table, http://www.depgis.state.pa.us/ms4/index.html , the Cedar Run and Yellow Breeches Creek list impairment sources and causes but supporting data of the impairment sources and causes is not furnished. How were the impairments determined? Was testing performed and if so, what was the location, dates, and what pollutants were identified as a result of the testing? Can the data be supplied to Lower Allen Township?

We are requesting clarification to Appendix B and C, specifically asking for the basis of the impairment designation to the Cedar Run and Yellow Breeches Creek in Lower Allen Township, so that we can maintain compliance with our permit requirements and submit the required information with our annual MS4 reports.

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
Township MS4 Coordinator

cc: Daniel J. Flint, P.E., NSPE, Township Engineer/Public Works Director