



**MUNICIPAL SEPARATE STORM SEWER  
SYSTEM (MS – 4)  
ANNUAL REPORT  
FOR  
PERMIT YEAR 04/15 - 03/16**

**PREPARED BY :**

**LOWER ALLEN TOWNSHIP  
CUMBERLAND COUNTY  
PA**

**June 24, 2016**

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# **TRANSMITTAL LETTER**



## LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

June 24, 2016

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

Good Morning:

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 April 1, 2015 to March 31, 2016.

Please contact our office with any questions.

Sincerely,

William P. Gralski, P. E.  
MS4 Coordinator

cc: Daniel J. Flint, P.E. NSPE Community Development Director/Township Engineer  
Thomas G. Vernau, Jr., Township Manager  
Erin Trone, Assistant Manager



**Department of Environmental Protection**  
**Annual Report Form for MS-4 Program**

**Form 3800-FM-BPNPSM0491**



## MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) ANNUAL/PROGRESS REPORT

For the Reporting Period: April 1, 2015 to March 31, 2016

☒ Annual Report    ☐ Progress Report  
☐ New Permittee    ☒ Renewal Permittee

Due Date: June 29, 2016

### GENERAL INFORMATION

Permittee Name:	Lower Allen Township	NPDES Permit No.:	PA133511
Mailing Address:	2233 Gettysburg Road	Effective Date:	April 1, 2013
City, State, Zip:	Camp Hill, PA, 17011	Expiration Date:	March 31, 2018
MS4 Contact Person:	Daniel J. Flint, P.E.	Renewal Due Date:	October 3, 2017
Title:	Township Engineer	Admin. Extended?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Phone:	717-975-7575	Municipality:	Lower Allen Township
Email:	dflint@latwp.org	County:	Cumberland

Co-Permittees (if applicable):

### 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 storm sewers within the MS4 urbanized area 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	No	No

Identify any Wasteload Allocations (WLAs) identified in TMDLs for the MS4, if applicable. Identify the pollutant(s) and mass load(s):

N/A

**Measurable Goal:** For new permittees, the lists shall be developed within the first year of coverage under the permit and reviewed and updated as necessary every year thereafter. For renewal permittees, the lists shall continue to be reviewed and updated annually.

1. For new permittees only, attach your target audience list(s) to the first report submitted to DEP.
2. If you are not a new permittee, did you complete and submit your target audience list to DEP? ☐ Yes ☒ No  
If Yes, provide the latest submission date:
3. Date of last review or revision to target audience list(s): **05/20/2016**

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

**Measurable Goal:** For new permittees, stormwater educational and informational items shall be produced and published in print and/or on the Internet within the first year of permit coverage. In subsequent years (and for renewal permittees), the list of items published and the content in these items shall be reviewed, updated, and maintained annually. Your publications shall contain stormwater educational information that addresses one or more of the 6 MCMS.

1. For new permittees only, attach your published stormwater educational or informational materials to the first report submitted to DEP.
2. If you are not a new permittee, did you complete and submit your published stormwater educational or informational materials to DEP? ☐ Yes ☒ No  
If Yes, provide the latest submission date:
3. Do you have a municipal newsletter? ☒ Yes ☐ No  
If Yes, how often was it published during the reporting period and what MS4-related material did it contain?  
**The newsletter publishes four times a year. Spring 2015 contained information on street sweeping and Gadners Gathering, and yard waste recycling. Winter 2016 contained Information regarding winter stormwater pollution (See Attachment # 7).**
4. Do you have a municipal website? ☒ Yes ☐ No (URL: **www.latwp.org**)  
If Yes, what MS4-related material does it contain?  
**The website (www.latwp.org) is open to the public and it has a pull down section devoted to stormwater and MS-4 content.**
5. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:  
**The Township has participated in an ad related to Stormwater in the Patriot News and Carlisle Sentinel via CAP COG (See Attachment # 6).**
6. Date of most recent review and/or update to published stormwater educational materials: **March 22, 2016**
7. Identify specific plans for the publication of stormwater materials for the upcoming year:  
**Publication of newsletter stormwater article in Spring 2016.**

**BMP #4: Distribute stormwater educational materials to the target audiences**

**Measurable Goal:** All permittees shall select and utilize at least two distribution methods in each permit year. These are in addition to the newsletter and website provisions of BMP #3.

## MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

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

**Measurable Goal:** A new permittee's PIPP shall be developed and implemented during the first year of coverage under this General Permit. All permittees shall re-evaluate the PIPP each permit year and revise as needed. Your PIPP shall include, but not be limited to:

- 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 their receiving waters.
  - c. Making your periodic reports available to the public on your website, at your municipal offices, or by US Mail upon request.
1. For new permittees only, attach your written PIPP or a summary thereof to the first report submitted to DEP.
  2. If you are not a new permittee, did you complete and submit your written PIPP or summary to DEP? ☐ Yes ☒ No  
If Yes, provide the latest submission date:
  3. Date of last review and/or update to the PIPP: **March 22, 2016**
  4. Explain how your PIPP addresses items a, b and c of the Measurable Goal:
    - 4 a. - The public is invited to speak at all Board of Commissioners meetings on any topic/concern pertaining to Stormwater Management and Best Management Practices. Additionally, the Township Facebook page is available for comments.
    - 4b. - The Township works with the Yellow Breeches Watershed Association (YBWA). YBWA has quaterly meetings open to the public and they conduct streamside clean-ups throughout the year (See Attachment # 8)
    - 4c. - MS-4 Annual reports are available to the public on the Township's website.
    - 4d - There is a link on the Township's Facbook page that goes directly to the MS4 Coordinator

### BMP #2: Prior to adoption of any ordinance (municipal permittees) or SOP (non-municipal permittees) required by the permit, provide adequate public notice and opportunities for public review, input, and feedback.

**Measurable Goal:** Advertise any proposed MS4 Stormwater Management Ordinance or SOP, provide opportunities for public comment, evaluate any public input and feedback, and document the comments received and the municipality's response.

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

Ordinance No. / SOP Name	Date of Public Notice	Date of Public Hearing	Date Enacted

2. For new permittees only, attach the completed map to the 4<sup>th</sup> year Annual Report.

3. Date of last update or revision to map(s): **2015**

4. Total number of discharge points in your storm sewer system that:

Discharge directly to surface waters (outfalls): **88**

Discharge to storm sewers owned by others: **0**

5. Total number of outfalls that are mapped at this time: **88**

**BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), new permittees shall show, and renewal permittees shall update, the entire storm sewer collection system, including roads, inlets, piping, swales, catch basins, channels, basins, and any other features of the permittee's storm sewer system including municipal boundaries and/or watershed boundaries.**

**Measurable Goals:** For new permittees, develop the map(s) by the end of the fourth (4th) year of coverage under the permit and update and maintain the map(s) as necessary each year of permit coverage thereafter. For renewal permittees, update and maintain the map(s) as necessary during each year of permit coverage.

1. Have you completed a map(s) that includes roads, inlets, piping, swales, catch basins, channels, basins, municipal boundaries and watershed boundaries? ☒ Yes ☐ No

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

3. For new permittees only, attach the completed map to the 4<sup>th</sup> year Annual Report.

4. If you are not a new permittee, did you complete and submit your map to DEP? ☐ Yes ☒ No

If Yes, provide the latest submission date:

5. Date of last update or revision to map: **2015**

**BMP #4: Following the IDD&E program created pursuant to BMP #1, the permittee shall conduct outfall field screening, identify the source of any illicit discharges, and remove or correct any illicit discharges using procedures developed under BMP #1.**

*For all permittees, outfall inspections need to be prioritized according to the perceived chance of illicit discharges within the outfall's contributing drainage area. Observations of each outfall shall be recorded each time an outfall is screened, regardless of the presence of dry weather flow. Proper quality assurance and quality control procedures shall be followed when collecting, transporting or analyzing water samples. All outfall inspection information shall be recorded on the Outfall Reconnaissance Inventory/Sample Collection field sheet excerpted from the Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments (CWP, October 2004). Adequate written documentation shall be maintained to justify a determination that an outfall flow is not illicit. If an outfall flow is illicit, the actions taken to identify and eliminate the illicit flow also shall be documented.*

*The results of outfall inspections and actions taken to remove or correct illicit discharges shall be summarized in periodic reports.*

1. For new permittees only, were at least 40% of all outfalls screened during dry weather? ☐ Yes ☐ No

If Yes for #1, indicate the number screened and the percent of all outfalls it represents. If No for #1, indicate reason(s) why this was not completed:

Are you on pace to screen all outfalls twice during the permit term? ☐ Yes ☐ No

2. For renewal permittees, indicate the percent of outfalls screened during the reporting period: **(See attachment # 9) 19.5 %**

Are you on pace to screen all outfalls once during the permit term? ☒ Yes ☐ No

If Yes, what was distributed? **A mechanism for incident reporting has been provided on the Township web site. (See bottom of Attachment # 4)**

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 #4 – CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

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

☒ Yes ☐ No **(If No, complete all remaining questions for this MCM; if Yes, skip to MCM #5).**

**BMP #1: Develop your program consisting of all procedures necessary to comply with the requirements of this MCM. Your program shall provide for construction stormwater permitting, construction inspection, and enforcement of installation and maintenance of the necessary E&S control measures. Your program shall describe clearly how your program will be coordinated with DEP's NPDES Construction Stormwater Permitting program.**

**Measurable Goals:** *For new permittees, the written program for this MCM shall be developed during the first year of permit coverage; nevertheless, you are responsible for implementation of this MCM during entire term of this permit, including the time you are developing your program.*

*For all permittees, your program shall be reviewed and updated during each year of permit coverage. The purpose of the written program is to establish clear roles and responsibilities for the implementation of the MCM #4 requirements. An agreement between the permittee, the CCD, and any other resources to be used by the permittee that clearly defines roles for each entity is recommended. If an agreement is made, you shall place and keep a written copy in your file, consistent with the Retention of Records requirements in this Permit. Please note that in accordance with Section A.2.h in Part A of the Authorization to Discharge, as the permittee you are responsible to ensure that implementation of all requirements under this Permit are fulfilled.*

1. For new permittees only, attach the written stormwater associated with construction activities program to the first report submitted to DEP.
2. If you are not a new permittee, did you complete and submit your written stormwater associated with construction activities program to DEP? ☐ Yes ☐ No  
If Yes, provide the latest submission date:
3. Date of last update or revision to the stormwater associated with construction activities program:

**BMP #2: The permittee shall enact, implement, and enforce an ordinance to require the implementation of erosion and sediment control BMPs, as well as sanctions to ensure compliance.**

**Measurable Goal:** *Within the first year of coverage under the permit, new permittees shall enact and implement an ordinance that meets all applicable requirements of this permit. (Non-municipal permittees shall develop and implement an SOP).*

**Measurable Goal:** *Permittees shall submit a letter signed by a municipal official, municipal engineer or the municipal solicitor as an attachment to their first periodic report certifying the enactment and implementation of a stormwater management ordinance that meets all requirements of this permit.*

1. For new permittees only, attach an ordinance (or SOP) and letter from an official, engineer or solicitor that addresses stormwater associated with construction activities to the first report submitted to DEP.
2. If you are not a new permittee, did you complete and submit your ordinance (or SOP) and letter from an official, engineer or solicitor that addresses stormwater associated with construction activities to DEP? ☐ Yes ☒ No  
If Yes, provide the latest submission date:

**BMP #2: 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. This requirement can be met by ensuring that the selected BMPs comply with the municipal Stormwater Management Ordinance that meets the requirements of the permit.**

**Measurable Goal:** All qualifying development or redevelopment projects shall be reviewed to ensure that their post-construction stormwater management plans and selected BMPs conform to the applicable requirements. A tracking system (e.g., database, spreadsheet, or written list) shall be maintained to record qualifying projects and their associated BMPs. In your records, you shall note if there are no qualifying projects in a calendar year.

1. Number of development or redevelopment projects in urbanized area during reporting period:
2. Describe the tracking system in place:
3. Describe the structural and/or non-structural BMPs that were required for these projects:

**BMP #3: Ensure that controls are installed that shall prevent or minimize water quality impacts.**

**Measurable Goal:** All qualifying development or redevelopment projects shall be inspected 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). Permittees not relying on DEP's statewide QLP to satisfy requirements under this BMP shall summarize construction inspections and results in periodic reports. See BMP #6 for requirements related to post-construction inspection and tracking of PCSM BMPs to ensure that the operation and maintenance plan is being implemented.

If there were development or redevelopment projects during the reporting period, attach documentation of inspections of PCSM BMPs to this report.

**BMP #4: The permittee shall enact, implement, and enforce an ordinance (municipal) or SOP or other regulatory mechanism (non-municipal) to address post-construction stormwater runoff from new development and redevelopment projects, as well as sanctions and penalties associated with non-compliance, to the extent allowable under State or local law.**

**Measurable Goal:** Within the first year of coverage under this permit, new permittees shall enact and implement a stormwater management ordinance (municipal) or SOP (non-municipal) that meets the requirements of this General Permit.

**Measurable Goal:** All permittees shall submit a letter signed by a municipal official, municipal engineer or the municipal solicitor as an attachment to their first periodic report certifying the enactment of a stormwater management ordinance that meets the requirements of this General Permit.

1. Do you have an ordinance (or SOP) to address post-construction stormwater runoff from new and redevelopment projects and does it include sanctions? ☒ Yes ☐ No

If Yes, indicate the date of the ordinance or SOP: **Adopted 03/08/2004 - Amended 02/14/2011**

For new permittees only, attach a copy of the ordinance or SOP.

2. If you are not a new permittee, has the ordinance (or SOP) been submitted to DEP with a letter from an official, engineer or solicitor that certifies the enactment of an ordinance or SOP for PCSM activities? ☒ Yes ☐ No
3. Do you have authority to take enforcement action for failure to properly operate and maintain stormwater practices/facilities? ☒ Yes ☐ No

## MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

**BMP #1: Identify and document all facilities and activities that are owned or operated by the permittee and have the potential for generating 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.).**

**Measurable Goal:** *By the end of the first year of permit coverage, new permittees shall identify and document all types of municipal operations, facilities and activities and land uses that may contribute to stormwater runoff within areas of municipal operations that discharge to the regulated small MS4. Renewal permittees should have completed this list during the previous permit term. For all permittees, this information shall be reviewed and updated each year of permit coverage, as needed. Part of this effort shall include maintaining a basic inventory of various municipal operations and facilities.*

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4? ☒ Yes ☐ No
2. When was the inventory last reviewed? **4/5/2016**
3. When was it last updated? **03/30/2015 (See Attachment # 13 for Inventory and Attachment # 14 for Activities)**
4. How many new facilities and/or activities were added to this inventory during this reporting period? **1**

**BMP #2: Develop, implement and maintain a written operation and maintenance (O&M) program for all municipal operations and facilities that could contribute to the discharge of pollutants from the regulated small MS4s, as identified under BMP #1. This program (or programs) shall address municipally owned stormwater collection or conveyance systems, but could include other areas (as identified under BMP #1). The O&M program(s) should stress pollution prevention and good housekeeping measures, contain site-specific information, and address the following areas:**

- Management practices, policies, procedures, etc. shall be developed and implemented to reduce or prevent the discharge of pollutants to your regulated small MS4s. You should consider eliminating maintenance-area discharges from floor drains and other drains if they have the potential to discharge to storm sewers.
- Maintenance activities, maintenance schedules, and inspection procedures to reduce the potential for pollutants to reach your regulated small MS4s. You also should review your procedures for maintaining your stormwater BMPs.
- 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, and salt / sand (anti-skid) storage locations and snow disposal areas.
- Procedures for the proper disposal of waste removed from your regulated small MS4s and your municipal operations, including dredge spoil, accumulated sediments, trash, household hazardous waste, used motor oil, and other debris.

**Measurable Goal:** *During the first year of permit coverage, new permittees shall develop and implement a written O&M program that complies with BMPs #1 and #2. Renewal permittees shall continue to implement their existing program. All permittees shall review the O&M program annually, edit as necessary, and continue to implement during every year of permit coverage.*

1. For new permittees only, attach the written O&M program to the first Annual Report.
2. If you are not a new permittee, did you complete and submit your written O&M program to DEP? ☐ Yes ☒ No  
If Yes, provide the latest submission date:

3. Date of last review or update to O&M program: **04/05/2016**



### BEST MANAGEMENT PRACTICES (BMPs)

Provide an assessment of the appropriateness of the BMPs implemented to date, and identify any steps that will be taken to address deficiencies in the BMPs or make changes to BMPs or other aspects of the SWMP developed by the permittee.

The appropriateness of the BMP's is reviewed periodically by the staff members charged with implementing the MS-4 program requirements. Deficiencies are noted and improvements are based upon these assessments. Certain BMP's are in a constant state of enhancement as the permit period advances. (See annual program review memo Attachment # 1). Attachment 14 contains an Activity Summary for O&M work performed throughout the year as well as recycling totals. based upon the annual assessment of facilities, improvements to the existing oil/water sepperator are porposed for the upcoming year,

MS4 TMDL Plan	Chesapeake Bay Pollutant Reduction Plan (CBPRP)
Is the permittee required to develop an MS4 TMDL Plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is the permittee required to develop a CBPRP? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
What is the status of the TMDL Design Details (if applicable)? <input type="checkbox"/> Under Development (Due Date:        ) <input type="checkbox"/> Submitted to DEP (Submission Date:        ) <input type="checkbox"/> Approved by DEP (Approval Date:        )	What is the status of the CBPRP (if applicable)? <input type="checkbox"/> Under Development (Due Date:        ) <input checked="" type="checkbox"/> Submitted to DEP (Submission Date: <b>03-31-2014</b> ) <input type="checkbox"/> Approved by DEP (Approval Date:        )

For permittees with DEP-approved MS4 TMDL Plans and/or CBPRPs, describe progress with implementing BMPs and other activities identified in those plans:

**Lower Allen Township has been implementing required nutrient removal BMP's as a part of their land development/ stormwater approval process. Additionally many of the proposed municipal improvements mentioned in the CBPRP have been implemented as of this time.**

For permittees with DEP-approved MS4 TMDL Plans and/or CBPRPs, complete the section below. Identify the required pollutant reductions (for those with MS4 TMDL Plans) or pollutant reductions committed to by the permittee (for those with CBPRPs) and the cumulative reductions achieved through implementing the BMPs, as of the end of the reporting period:

**Lower Allen Township has no record of the DEP approval of their CPPRP. At this juncture, there are no required pollutant reduction targets associated with the CBPRP.**

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			0 1 11				<input type="checkbox"/>

### CERTIFICATION

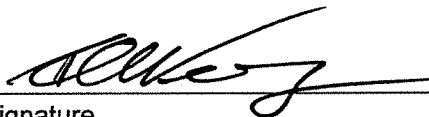
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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).

THOMAS G. VERNAU, JR.

Name of Responsible Official

(717) 975-7575

Telephone No.



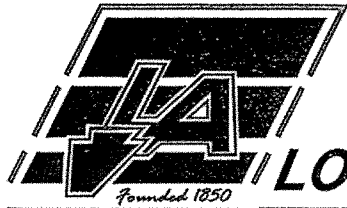
Signature

6/22/16

Date

**ATTACHMENTS TO ANNUAL REPORT  
LOWER ALLEN TOWNSHIP  
MUNICIPAL SEWERAGE STORM SEWER  
SYSTEM (MS-4) PROGRAM**

**ATTACHMENT # 1**  
**ANNUAL PROGRAM REVIEW MEMO**



## LOWER ALLEN TOWNSHIP

2233 GETTYSBURG ROAD • CAMP HILL, PENNSYLVANIA 17011

03.22.2016

### Memo

**To**  
Daniel Flint, P.E. (DF)

**From**  
William P. Gralski, P.E.  
(WG)

**CC**  
L. Hockenberry (LH)  
R. Allen (RA)

**Re**  
Meeting Minutes  
MS-4 Annual Review

On March 22, 2016, the staff members listed below gathered to review and discuss the MS-4 program in Lower Allen Township. The program was discussed in the order of the six (6) Minimum Control Measures (MCM's) that make up the program.

**Present:**  
Daniel Flint, P.E.  
William P. Gralski  
Linda Hockenberry  
Raymond Allen

**Comments:**

The meeting began promptly at 9:30 AM 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 a target audience list. All parties noted that this is a need for the program and WG indicated that he would be working on this item over the upcoming months.

### Lower Allen Township

Tel (717) 975-7575

2233 Gettysburg Rd.  
Camp Hill, Pa. 17011

Phone: (717) 975-7575 • [www.latwp.org](http://www.latwp.org)

MCM # 2 Public Involvement and Participation

Under this MCM the group decided that the target audience list from above could be used for both MCM's. There was significant discussion about outreach efforts to local conservation groups and scouts to satisfy the requirements of this MCM. WG to work on this item over the next year, perhaps work to attend events. WG to talk to J. EBY about the Yellow Breeches organization.

The group discussed the current Stormwater Management Ordinance, due to the date of the Ordinance, WG asked DF if it met the requirements of PAG-13, Dan said he thought it did and that he would verify. WG mentioned that it may be necessary to have a letter to verify this. DF will provide if required.

MCM # 3 Illegal Discharge Detection and Elimination

WG mentioned that the IDDE program elements were there, but that a written protocol should be prepared. The protocol was discussed at the meeting and WG will write up the IDDE sampling protocol. It was also decided that WG would go out to the field for a day with Ray when he did next year's outfall observations. An Excel spreadsheet may have to be prepared for the outfalls.

MCM # 4 Construction Site Stormwater Runoff Control

Since the Township deferred to the state program for this MCM, follow-up actions were not required. WG did ask about the Memorandum of Understanding with the Conservation District. This item was subsequently provided by LH.

MCM # 5 Post Construction Stormwater Management in New Development and RE-development

All parties discussed the Township's current O & M program of sending out inspection forms and letters. WG thought that it was an excellent program. DF and LH indicated that there is a need for follow-up on the received forms. WG and LH to go over received forms and spreadsheets. WG to send out follow-up letters next month from those who have not responded. This may expand in the future to follow-up confirmation inspections. WG to prepare a written protocol of the process for the file.

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MCM # 6 Pollution Prevention/ Good Housekeeping

The group discussed the current facility inventory list. DF decided that we should review the list and update it as necessary. WG will then add any necessary O & M notes to the list. WG noted that there was an O & M plan in-place for the municipal facilities but that it was brief. WG to visit the municipal facility with R. Naylor, review the current O & M plan and revise as necessary.

The municipal training meeting was held on March 16, 2016, WG to write up notes. It has been suggested that other Township groups (i.e. Police and Fire staff could also benefit from training.

General Discussion

RA and DF discussed the in-house GIS system and indicated that the license is for the entire staff, RA and WG to coordinate getting it onto WG's computer.

DF and RA discussed the BMP inventory on the end of the annual report form and how the Township filled it out. It is currently largely from memory and there was a discussion about placing new projects onto the list with the Land Development plan approval so they did not get lost. The BMP's would then be permanently carried on the list once the permanent BMP's were installed and converted. At this time maintenance would be tracked.

The meeting was adjourned at 10:45 AM.

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**ATTACHMENT # 2**  
**INFORMATION SUPPLIED WITH NEW**  
**PERMITS**

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

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

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

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

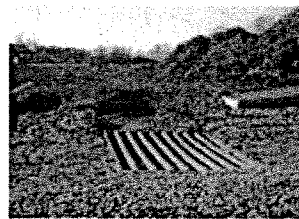
1. Comply with storm water permit requirements.
2. Practice erosion control and pollution prevention practices to keep construction sites "clean."
3. Conduct advanced planning and training to ensure proper implementation on-site.

The remainder of this fact sheet addresses these three steps.

### Storm Water Permit Requirements for Construction Activity

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

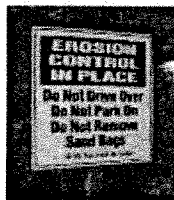
- Pennsylvania's Erosion and Sediment Pollution Control Program (25 Pa. Code, Chapter 102) requires Erosion and Sediment Control Plans for all earth disturbing activities.
- The National Pollutant Discharge Elimination System (NPDES) Permit Program (25 Pa. Code, Chapter 92) requires that construction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



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

### Erosion Control Practices:

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



### An Ounce of Prevention

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

### **Pollution Prevention Practices:**

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

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

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

### **The Best Laid Plans**

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



### **The Bigger Storm Water Picture**

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

### **For more information:**

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

Pennsylvania Handbook of Best Management Practices for Developing Areas:  
[http://www.pacd.org/products/bmp/bmp\\_handbook.html](http://www.pacd.org/products/bmp/bmp_handbook.html)

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

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



**ATTACHMENT # 3**  
**ANNUAL PUBLIC MEETING**  
**INFORMATION**

Patriot-News Co.  
20 Technology Pkwy  
Suite 300  
Mechanicsburg, PA 17050  
Inquiries - 717-255-8213

**The Patriot-News**  
Now you know

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG RD

CAMP HILL

PA 17011

**THE PATRIOT NEWS  
THE SUNDAY PATRIOT NEWS**

**Proof of Publication**

Under Act No. 587, Approved May 16, 1929  
Commonwealth of Pennsylvania, County of Dauphin} ss

Amy Kotula, being duly sworn according to law, deposes and says:

That she is a Staff Accountant of The Patriot News Co., a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, with its principal office and place of business at 2020 Technology Pkwy, Suite 300, in the Township of Hampden, County of Cumberland, State of Pennsylvania, owner and publisher of The Patriot-News and The Sunday Patriot-News newspapers of general circulation, printed and published at 1900 Patriot Drive, in the City, County and State aforesaid; that The Patriot-News and The Sunday Patriot-News were established March 4th, 1854, and September 18th, 1949, respectively, and all have been continuously published ever since;

That the printed notice or publication which is securely attached hereto is exactly as printed and published in their regular daily and/or Sunday/ Community Weekly editions which appeared on the date(s) indicated below. That neither she nor said Company is interested in the subject matter of said printed notice or advertising, and that all of the allegations of this statement as to the time, place and character of publication are true; and

That she has personal knowledge of the facts aforesaid and is duly authorized and empowered to verify this statement on behalf of The Patriot-News Co. aforesaid by virtue and pursuant to a resolution unanimously passed and adopted severally by the stockholders and board of directors of the said Company and subsequently duly recorded in the office for the Recording of Deeds in and for said County of Dauphin in Miscellaneous Book "M", Volume 14, Page 317.

**PUBLICATION COPY**

This ad # 0002358376 ran on the dates shown below:

March 15, 2016

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 2016 will be held in  
conjunction with the regular Board of  
Commissioners meeting on Monday,  
March 28, 2016, beginning at 7:00 PM at  
the Township Office, 2233 Gettysburg  
Road, Camp Hill, Pa. The public is  
invited to attend and participate.

..... Amy Kotula .....

Sworn to and subscribed before me this 16 day of March, 2016 A.D.

Sheryl Marie Leggore  
Notary Public

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Sheryl Marie Leggore, Notary Public  
Hampden Twp., Cumberland County  
My Commission Expires July 16, 2018  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

**LOWER ALLEN TOWNSHIP  
BOARD OF COMMISSIONERS  
REGULAR MEETING AGENDA**

**March 28, 2016  
7:00 PM**

1. **CALL TO ORDER** by Vice President Young. Proof of Publication.
2. **PRAYER AND PLEDGE OF ALLEGIANCE.**
3. **APPROVAL OF MEETING MINUTES:** March 14, 2016
4. **AUDIENCE PARTICIPATION:** Any Item on the Agenda.
5. **EMPLOYEE AWARDS:** Years of Service Awards
6. **PRESENTATION:** Lower Allen Township's Stormwater Management Program, as part of the National Pollutant Discharge Elimination System (NPDES) Phase 2 Municipal Separate Storm Sewer System (MS4) Permit.
7. **CONSENT AGENDA**
  - A. Department Reports for the month of February for Township Engineer, Public Works, Fleet Maintenance, Public Safety, and Assistant Manager.
  - B. Adopt **Resolution 2016-R-06**, a resolution of the Board of Commissioners of Lower Allen Township, Cumberland County Pennsylvania, calling on the Commonwealth to amend Act 108 of 2010, the Covered Device Recycling Act.
  - C. Adopt **Resolution 2016-R-08**, a resolution of the Board of Commissioners of Lower Allen Township, Cumberland County Pennsylvania, approving the destruction of certain Township records in accordance with the Pennsylvania Records Retention Schedule.
  - D. Award the 2016 Street Resurfacing Maintenance Project contract to Hempt Bros., Inc. on a unit cost basis in the amount of \$260,595.50.
  - E. Waiver of the requirement contained in Section 192-24.C to submit a Preliminary Plan for SLD Docket No. 2016-01, Land Development Plan for Weis Market Store No. 125, Gas and Go.
  - F. Waiver of the requirement contained in Section 192-31.D Attachment 1.C.8 to provide a Location Map at a scale of 1" = 200' or larger for SLD Docket No. 2016-01, Final Land Development Plan for Weis Market Store No. 125, Gas and Go.
  - G. Waiver of the requirement contained in Section 192-31.D Attachment 1.D to provide an Existing Resource and Site Analysis Map for SLD Docket No.

**Lower Allen Township  
MS-4 Program**

**Annual Update  
And  
Public Meeting**

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**MS-4 Program**

- Introductions
- What is MS-4?
- What are MCM's?
- What are we doing today?
- What are we doing tomorrow?

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**Storm Water Permit Program  
for Small Communities**

- Federal regulation requires permit  
for our community
- PA DEP created state permitting  
program to meet federal  
regulation

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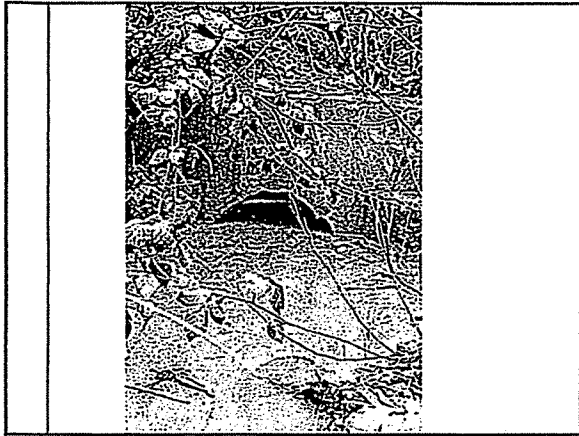
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Storm Water Pollutants	
■ Sediment	■ Trace Metals
■ Nutrients	■ Toxic Chemicals
■ Bacteria	■ Chlorides
■ Oxygen Demand	■ Thermal Impacts
■ Oil and Grease	

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### **Public Involvement/Participation**

- Provide public notice
- Create an public involvement plan
- Hold a public meeting on the program
- Start a volunteer program
  - Water Quality Monitoring
  - Storm Drain Stenciling
  - Stream Clean-Ups

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### **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
- Educate community on problems related to dumping in storm sewers

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### **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

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**Lower Allen Township  
MS-4 Program  
Longer term Term Efforts**

- ☐ Target audience list
- ☐ Step up Public Involvement and Participation
- ☐ Prepare for program changes in PAG -13
- ☐ Greater emphasis on Water Quality

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**Questions?**

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**For More Information. . .**

- William P. Gralski, P.E.  
MS-4 Coordinator
- Daniel Flint, P.E.  
Director of Community  
Development

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**ATTACHMENT # 4**  
**TOWNSHIP WEBSITE'S MS-4 PAGE**

f

(<http://www.facebook.com/LowerAllenTownship>)

Allen-

Township-

PA/14827338186895

Lower Allen Township Facebooksk=timeline)

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

(<http://www.latwp.org>)

### MS 4 - Storm Water

Home (<http://www.latwp.org>) » MS 4 – Storm Water

### UPDATE: Township Hires a MS-4 Coordinator

Lower Allen Township has recently hired a part time staff person to coordinate the Municipal Separate Storm Sewer System (MS-4) program for the municipality. Mr. William P. Gralski, P.E. started working with the Township on March 22, 2016. Mr. Gralski is a seasoned environmental professional with over 30 years of experience in the industry. He will be responsible for assisting the Township with meeting program requirements. This effort will include tasks such as:

- Evaluating program compliance
- Public education
- MS-4 outreach efforts
- Annual reporting
- Overseeing outfall monitoring
- Public meetings and required internal training

Mr. Gralski will be available to answer questions from the public about the program and to facilitate the program. If you have any questions/comments – see below to send him an email.

### RESIDENTIAL STORMWATER MANAGEMENT

- › Code Of Ordinances  
([http://ecode360.com/LO1571?needHash=true&target=\\_blank](http://ecode360.com/LO1571?needHash=true&target=_blank))
- › Zoning Map  
(<http://www.latwp.org/wp-content/uploads/2014/07/zoningmap.pdf>)
- › The "PERMIT" Process  
([http://www.latwp.org/?page\\_id=2638](http://www.latwp.org/?page_id=2638))
- › Applications and Forms  
([http://www.latwp.org/?page\\_id=2627](http://www.latwp.org/?page_id=2627))
- › Fee Schedule, Supplemental Forms and Maps  
([http://www.latwp.org/?page\\_id=2632](http://www.latwp.org/?page_id=2632))

When we build or introduce new surfaces to an existing landscape, it's important to consider the natural flow of water in that area may be disrupted. Adding impervious surfaces like roofs and residential driveways increase the amount of stormwater runoff, which collects particles of oil, dust, and other pollutants as it travels over the surface of the ground.

This results in an excess of stormwater runoff, which let untreated will travel through drains and gutters until finally depositing into lakes, streams, and the ocean. Negative consequences of this include the following:

- Pollutants are carried into the oceans and out waterways where they can affect wildlife and water quality
- Debris carried in stormwater can clog out storm drains and cause residential flooding
- Increased volumes of stormwater can erode streambanks and hillsides

To avoid these adverse impacts to our property and the environment, federal, state and local laws and regulations require that stormwater be managed by residential and commercial property owners.

For more information go to [www.stormwaterpa.org/cumberland-county.html](http://www.stormwaterpa.org/cumberland-county.html)  
(<http://www.stormwaterpa.org/cumberland-county.html>)

The federal Clean Water Act (CWA) prohibits the discharge of pollutants into waterways without the appropriate permits. Pennsylvania's Stormwater Management Act (better known as Act 167), MS4 Program, Chapter 102 (Erosion and Sediment Control Requirements), and NPDES Permit Program for Stormwater Discharges Associated with Construction Activities are amongst the Commonwealth's methods for meeting the runoff-related requirements of the Clean Water Act.

For all practical purposes, though, implementation of stormwater management efforts in Pennsylvania occurs at the community level because individual municipalities are ultimately responsible for adopting zoning ordinances, subdivision and land development regulations, and other programs that keep their locality's runoff under control.

Contrary to the common perception, properly planning for stormwater can accomplish this goal while speeding the permitting process, saving on construction costs, and resulting in profitable projects that enhance a community in multiple ways.

– Pennsylvania's Storm Water Management Act (Act 167) – Pennsylvania Department of Environmental Protection Fact Sheet on storm water runoff  
(<http://www.stormwaterpa.org/assets/media/regulatory/3930-FS-DEP4101.pdf>)

– StormwaterPA MS4 Website – StormwaterPA Website  
(<http://www.stormwaterpa.org/ms4-program>) – Resource Page for Cumberland County (<http://stormwaterpa.org/cumberland-county.html>)

– United States Environmental Protection Agency – EPA – Water: Permitting (NPDES)

- › **MS 4 – Storm Water**  
([http://www.latwp.org/?page\\_id=2654](http://www.latwp.org/?page_id=2654))
- › **Planning Commission**  
([http://www.latwp.org/?page\\_id=2635](http://www.latwp.org/?page_id=2635))
- › **Planning Reports**  
([http://www.latwp.org/?page\\_id=3982](http://www.latwp.org/?page_id=3982))
- › **Zoning Hearing Board**  
([http://www.latwp.org/?page\\_id=2650](http://www.latwp.org/?page_id=2650))

– Pollution Prevention & Control – [EPA Website \(http://water.epa.gov/polwaste/npdes/\)](http://water.epa.gov/polwaste/npdes/)

– Penn State College of Agricultural Science – [Resource Page \(http://aqsci.psu.edu/aec/research-extension/conservation-tools/stormwater-management/\)](http://aqsci.psu.edu/aec/research-extension/conservation-tools/stormwater-management/)

– Homeowner's Guide to Stormwater – [Start your own plan here \(http://www.stormwaterguide.org/\)](http://www.stormwaterguide.org/)

– Cumberland County Recycling and Waster Disposal – [Main Page \(http://www.ccpa.net/124/Recycling-Waste\)](http://www.ccpa.net/124/Recycling-Waste)

– Lower Allen Township – [2013-2014 Annual Report \(http://www.latwp.org/wp-content/uploads/2013-2014-Annual-Report.pdf\)](http://www.latwp.org/wp-content/uploads/2013-2014-Annual-Report.pdf)

– Lower Allen Township – [2013-2014 Annual Municipal Activity Report \(http://www.latwp.org/wp-content/uploads/2013-2014-Annual-Report-Attachment.pdf\)](http://www.latwp.org/wp-content/uploads/2013-2014-Annual-Report-Attachment.pdf)

– Lower Allen Township – [2014-2015 Annual Municipal Activity Report \(http://www.latwp.org/wp-content/uploads/2014-2015-Final-Report.pdf\)](http://www.latwp.org/wp-content/uploads/2014-2015-Final-Report.pdf)

If you would like to send an email for questions or more information, please use the form below and click send. Thank you.


Bill Gralski, MS4 Coordinator ext

Your Name

Email

Comments

Send!



Video Tour of  
Lower Allen Township

Welcome

Parks & Recreation

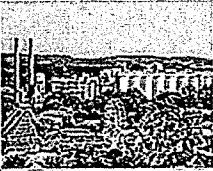
Quality of Life

Economic Development

Real Estate & Relocation

Township Services & Public Safety

Community Organizations



Join our mailing list

<https://lowerallentwps.com>

CLICK HERE

FOR ONE-STEP NOTIFICATION

Receive timely notifications by phone, e-mail, text messages and more.

SIGN UP NOW

SERVICES BY

Blackboard connect.

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

**POLICE DEPARTMENT**  
Emergency Dial 911  
Non-emergency 717-238-9676  
Records Office 717-975-7575  
Fax 717-761-4835  
Monday - Friday - 8:00 am - 4:00 pm

**TAX OFFICE**  
Phone 717-737-5671  
Fax 717-737-4182  
Monday, Tuesday, Thursday  
10:00 am - 2:00 pm

**ATTACHMENT # 5**  
**TOWNSHIP'S MS-4 LINK ON FACEBOOK**



Lower Allen Township, PA

Be the first to write a comment...

Daniel Home

Messages Notifications Insights

Lower Allen Township, PA shared a link.

Published by Helen Grundon · 3 hrs

**Holiday Trash Collection**

**July 4th Trash Collection**

July 4th Trash Collection Posted on June 25, 2015 By Helen Grundon In Township News Regular Trash and Recycling collection will not be affected this July 4th holiday, due to it falls on a Saturday. ←

LATWP.ORG

310 people reached

Like · Comment · Share

Sherry Brady Lemmonds likes this.

Be the first to write a comment...

Lower Allen Township, PA shared a link.

Published by Helen Grundon · June 23 at 2:08pm

**Sorry We're CLOSED**

**Township Office Closed July 1, 2015 From 11:30 to 12:30**

Township Office Closed July 1, 2015 From 11:30 to 12:30 Posted on June 23, 2015 By Helen Grundon In Township News The Township offices will be closed for one hour on July 1, 2015 from 11:30 to 12:30....

LATWP.ORG

275 people reached

Like · Comment · Share

Lower Allen Township, PA

Published by Helen Grundon · June 22 at 3:04pm

**Information about Residential Stormwater Management**

**MS 4 – Storm Water | LOWER ALLEN TOWNSHIP, PA – A Township of the First Class**

A Township Of the First Class

LATWP.ORG

589 people reached

Like · Comment · Share

Judith Patton, Kim Slaughter, John Young and 2 others like this.

Be the first to write a comment...

Lower Allen Township, PA shared Lower Allen Township Police Department's post.

Published by Frank Williamson · June 21 at 6:29am

Lower Allen Township Police Department

Flood Warning is in effect for the Yellow Breeches Creek -

Boost Post

Boost Post

Boost Post

Boost Post

MS-4 FACEBOOK LINK

Where is the closest public pool for Lower Allen Township residents?

Ashley Smith  
June 22 at 10:53am

Like · Comment 1

Theres a lot of standing water on Lisburn Rd around the Liberty Forg... See More

Jamie Lynne  
June 20 at 10:56pm

Like · Comment 3

Is there anything specific that I should be aware of that is needed ... See More

Joseph Andrews  
June 18 at 12:51pm

Like · Comment 1

LIKED BY THIS PAGE

Pennsylvania 811

Pennsylvania American Water

Tri-County Regional Planning Commis...

English (US) · Privacy · Terms · Cookies · Ad Choices More

Facebook © 2015

Promote

THIS WEEK

2 Page Likes

848 Post Reach

Recent

2015

2014

2013

2012

2011

2010

See Your Ad Here

Lower Allen Township, PA FROM PENNDOT: We are scheduled to place PA 581 Westbound latex modified concrete overlay...

1

Boost Post

Chat (15)

Lower Allen Township, PA

The Flood Warning continues for The Yellow Breeches Creek Near Camp Hill. At 6 AM Sunday the stag...

Daniel

Home

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Insights

See more

Publishing Tools


Settings

Help

421 people reached

Boost Post


Like · Comment · Share



Lower Allen Township, PA

Published by Helen Grundon · June 19 at 12:36pm ·

Just a reminder about June 22nd Board of Commissioners meeting.




Board of Commissioners 6/22/15 Meeting Cancelled

Board of Commissioners 6/22/15 Meeting Cancelled Posted on June 11, 2015 By Helen Grundon In Board of Commissioner Agendas, Township News The June 22, 2015 meeting of Lower Allen Township Board of... LATWP.ORG

171 people reached

Boost Post


Like · Comment · Share



Lower Allen Township, PA

Published by Helen Grundon · June 17 at 10:30am ·

Information on the Yellow Breeches Family Creek Cleanup



Yellow Breeches Family Creek Cleanup 7-12-15


Yellow Breeches Family Creek Cleanup 7-12-15 Posted on June 17, 2015 By Helen Grundon In Township News It's that time of year again for the Yellow Breeches Family Creek Clean up!!!! Click... LATWP.ORG

774 people reached


Boost Post

Like · Comment · Share

Emily Sterne Sentman, Chrissy Elicker and 2 others like this.



Be the first to write a comment...



Lower Allen Township, PA added 4 new photos.

Published by Erin Genest Trone · June 12 at 1:48pm ·

On June 8th, at the Board of Commissioners' meeting several employees were recognized for their years of service with the Township:

Lynn Smith, Crossing Guard- 7,500 service hours

Scot Emerson, Facility Manager- 15 years

Brian Harshbarger, Highway Superintendent- 20 years... See More

Chat (15)

Lower Allen Township, PA

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Post

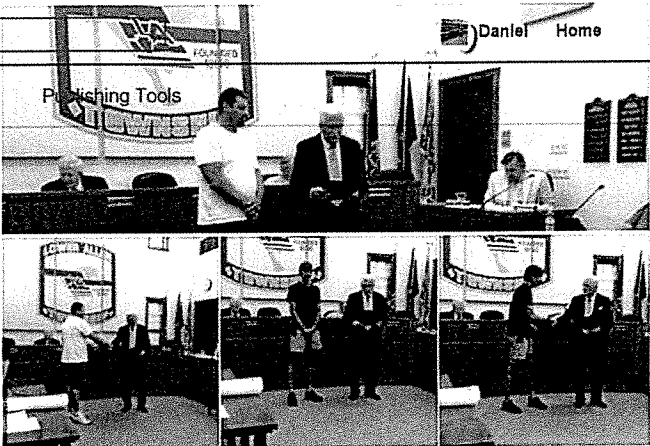
Publishing Tools

Daniel

Home

Settings


Help




515 people reached

Boost Post

Like · Comment · Share



Judith Patton, Penni Moore, Joey Rivera and 4 others like this.

 Be the first to write a comment...

See More Stories

Chat (15)

**ATTACHMENT # 6**  
**CAP COG STORMWATER**  
**ADVERTISEMENT**

# Invoice

Capital Region Council of Governments  
 230 S. Sporting Hill Road  
 Mechanicsburg, PA 17050  
 Phone 717-761-6211 Fax 717-761-7267  
 capcog@comcast.net

Date	Invoice #
10/15/2015	789

Bill To
Lower Allen Township 2233 Gettysburg Road Camp Hill, PA 17011

Quantity	Description	Rate	Amount
	<p>2015 Stormwater Pollution Ad</p> <p>This was a 1/8 page ad in the Patriot News and Cumberland Sentinel divided by 29 participants.</p> <p>The ad meets requirement #1 of Minimal Control Measure</p> <p>Payment due 30 days from receipt of the invoice</p> <p>Thank you</p> <p>Checks made payable to CapCOG or you may pay with a credit card - go to <a href="http://www.capitalregioncog.org/on-line-payments">http://www.capitalregioncog.org/on-line-payments</a></p>	60.00	60.00
		<b>Total</b>	

\$60.00

# Ghosts

Continued from A1

ghost tours.

Michele Cook said her husband was less than enthusiastic about it.

"I was a big, big skeptic, because I thought she was crazy," Mark Cook joked.

It was on this trip, however, that Mark Cook went from being firmly a skeptic to wanting to know more about what might be on the other side.

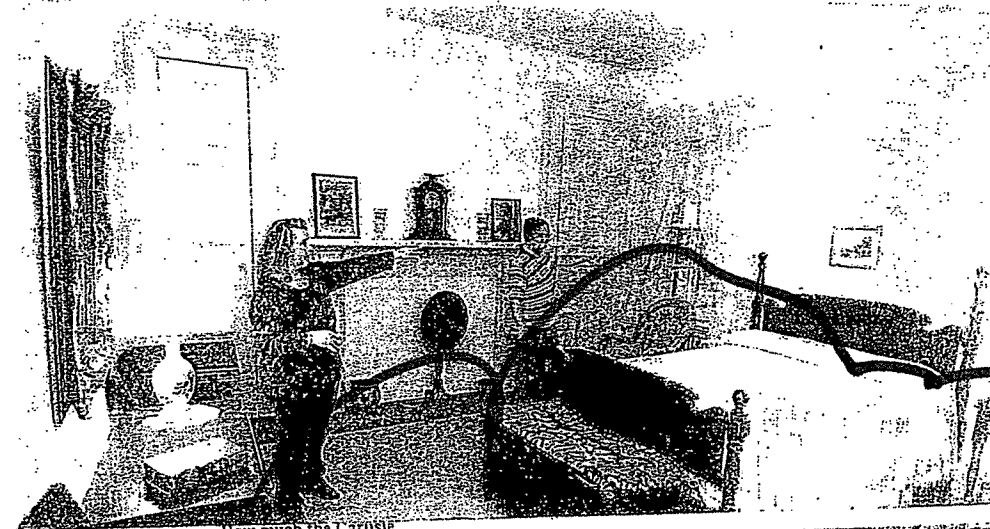
"He had an experience of his own," Michele Cook said. "I think that's what opens people's eyes. Before that, of course, you have the skeptics, but when they experience something that they can't explain, that's when they want to know, 'Oh, there is something? You're not crazy! Now he's right there beside me, trying to find answers!'"

The Cooks founded Cove Paranormal Research Society out of Dunsmuir in the borough for some time to come," he said.

Drozdzowski said public outcry in 2010 about the Y's possible move to a new location did not play into the decision to revitalize the current location.

She said the Carlisle Family YMCA hired a YMCA of the USA consulting firm to look at the current facility to see what could be done on site, adding that they were "very pleased to see what they could come up with on this site and how they created the design concept that could really work for us."

Drozdzowski said the Y realized residents wanted the YMCA to remain in the bor-



rent site.

In design

Though the Y's revitalization currently is in the "design concept" of the project, Drozdzowski said the consulting firm came up with the idea to remove the older part of the building, which would add new space and free up potential parking.

The older part of the building, originally a school building, has a lot of space, but doesn't work with how YMCA are designed today, she said.

Drozdzowski said the Y is spending a "tremendous" amount of money maintaining that part of the building.

How much the Carlisle Family YMCA builds will be dependent on the support of the community and what they can accomplish, Drozdzowski said.

"The exciting part is we are staying. We have a plan now that we think is something we could conceivably put in place to really improve our facility here, and that's really the best of both worlds, because we can keep our pool, we can keep our gym, we can keep a lot of the amenities that already exist, rather than having to move elsewhere and rebuild those, plus construction."

Email Adrian Spies at [aspies@cumberlink.com](mailto:aspies@cumberlink.com)

## CLEAN WATER WANTED! WE NEED EVERYONE'S HELP!

Here are a few ways you can stop stormwater pollution:



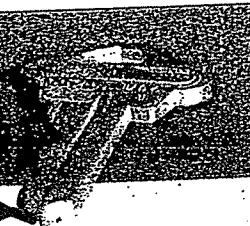
- Only rain goes down the drain
- Wash car over your lawn or gravel
- Use less lawn and garden chemicals
- Walk, hike, or share a ride when possible
- Install a rain barrel or cistern to capture rain water

Go to DEP or your municipality's website for other ways to help.

In compliance with 1954 permits, this ad is licensed and paid for by the following member of the Capital Region Council of Governments (CROG):

Camp Hill Borough	Lemoyne Borough	New Cumberland Borough
Capital Region Water	Londonderry Township	Paxtang Borough
Carlisle Borough	Lower Allen Township	Pennock Borough
Carroll Township	Lower Paxton Township	Shiemanstown Borough
Dillsburg Borough	Lower Swatara Township	Silver Spring Township
East Hanover Township	Mechanicsburg Borough	South Hanover Township
East Pennsboro Township	Middletown Borough	Swatara Township
Fallview Township	Monaghan Township	Upper Allen Township
Hampden Township/Hampden Township Sewer Authority	Monroe Township	West Hanover Township
		Wormleysburg Borough

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**ATTACHMENT # 7**  
**TOWNSHIP NEWSLETTER ARTICLES**



Spring 2015

# TOWNSHIP NEWS

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



Back L to R: Commissioner Richard F. Schin, Commissioner John T. Titzel and Commissioner Lloyd W. Bucher. Front L to R: Vice President Peddrick M. Young, Sr. and President H. Edward Black.

## Inside this issue:

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LACP Events, Barn Rental Info, Tax Office, West Shore Rec News, Fredricksens Library	Page 14-15

## Extension Cords and Power Strips Are They Safe??

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.

Continued on Page 3



# GARDENER'S GATHERING



## 11th Annual Lower Allen Township Gardeners Gathering

**When:** April 25, 2015

**10:00 AM - 1:00 PM**

**Where:** Lower Allen Community Park  
4075 Lisburn Road, Mechanicsburg, PA 17055  
(Event will be held Rain or Shine!)

### Barn Workshop - Upper Level

**10:00 AM** ***Joys of Wildlife: Birds, Bees, and Butterflies in your family landscape.*** Sue Daugherty, Environmental Conservationist and husband, John Ogurcak, Wildlife Craftsman. This session includes tips and techniques to invite or deter those special outdoor neighbors. Whether you're looking to create habitat for birds and butterflies or a special solution to your outdoor "pests," we have an answer for you. There will also be discussion on bird houses in particular, with a limited supply of hand-crafted designs for sale.

### Barn Workshop - Lower Level

**10:00 AM** ***Rain Garden Maintenance-*** Cumberland County Master Gardener volunteers will be on hand to provide you with valuable tips on successfully installing and maintaining **your own rain garden**. During the two hour workshop, we will ask participants to visit our nearby rain garden site and observe "hands on" demonstrations of spring pruning and planting new ground covers to further the recommendation that rain gardens should be totally filled with plant roots, with little or no mulch. *Please dress for garden work and bring gloves.*

### Tot Lot Pavilion

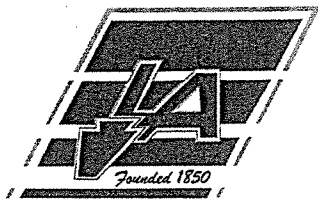
**12:15 PM** ***Annual Plant Swap*** - How does it work? Bring your divided perennials (*in pots or containers, please*) between 10:00 am - 12:00 pm and receive a ticket per plant that you bring. At 12:15, we'll start "raffling off" each plant- you take one home for every one you give away! **Limit 10 plants per participant**

*\*For questions, please contact Donna Paul, Recycling Coordinator at Lower Allen Township by calling (717) 975-7575, ext. 1402. You can also check us out at [www.latwp.org](http://www.latwp.org)*

*Workshop items will be offered for cash sales and door prizes awarded to workshop participants...  
Join us for a fun-filled day with plenty of springtime excitement... thanks again to our sponsor  
Pennsylvania American Water!!*



PENNSYLVANIA  
AMERICAN WATER



Winter 2016

# TOWNSHIP NEWS

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



**Board of Commissioners**

Seated L to R: Vice-President Peddrick M. Young, Sr.,  
President H. Edward Black;  
Standing L to R: Jack. R. Simpson, Jr.,  
Carolyn E. Holtzman, Richard F. Schin

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Tax Office, Barn Rentals, Library, Recreation News	Pages 18-19

## Commissioners Bucher and Titzel Retire



After having served long public service careers as Township Commissioners, Lloyd Bucher and John Titzel decided not to seek re-election following their most recent terms. Their last day in office was December 31<sup>st</sup>, 2015.

Mr. Bucher served the residents of Lower Allen for 30 years, being first appointed as Commissioner to a two-year term in 1982, and later elected in 1988 to the office he has held since. He served as Vice President of the Board from 1990 to 1995, and again from 2004 to 2011, and served as President from 1996 to 2003.



During his many years of public service, Mr. Bucher served as a representative to the West Shore Tax Bureau, the West Shore Council of Governments (now the Capital Region COG), the Tri-County Regional Planning Commission, the Recreation and Parks Board, and the Lower Allen Sewer Authority, a seat that he continues to hold. Additionally, he has sat on the Police Pension Fund Committee, the Fire Committee, the Finance Committee, the Township 150<sup>th</sup> Anniversary Committee, and the Electric and Plumbing Licensing Board. Bucher was also an active member of the Pennsylvania State Association of Township Commissioners, serving as its Vice President from 2002-2005, and President from 2005-2006.

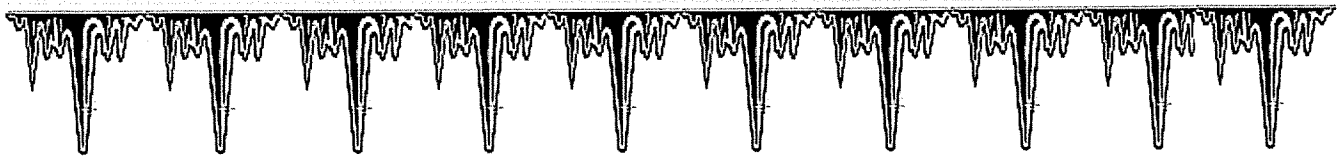
Mr. Titzel was first elected to the Board of Commissioners in 1996 and held this seat for 20 years, during which time he served as President of the Board from 2006 to 2011. During his tenure, Mr. Titzel sat on the Lower Allen Fire Committee and served as the Township representative to the Cumberland County Local Emergency Planning Commission. At various times, Mr. Titzel served as the Township's Fire Marshall and Emergency Management Coordinator. Titzel was also active with the PSATC, serving on its Executive Committee.

At the December 28<sup>th</sup> public meeting, Bucher and Titzel were presented with a Resolution and plaque from the Commissioners honoring and thanking them for their many years of service to the residents. Also presenting certificates or letters of recognition were State Senator Pat Vance, State Representative Sheryl Delozier, Cumberland County Commissioner Jim Hertzler, and Capital Region COG Director Ann Simonetti. The meeting was recessed for a half hour for a cake reception.

"Public service is gratifying in the knowledge that you have an opportunity to help create a good and affordable community in which your neighbors can live", said Mr. Bucher.

Township staff will miss the leadership and dedication to the common good provided by these men, Mr. Bucher in the area of budgeting and finance, and Mr. Titzel in the areas of fire and building safety. We wish these gentlemen, and gentlemen they are, nothing but the best in their future endeavors.

## WINTER READINESS



### Winter Stormwater Pollution Prevention Tips

As winter approaches and rain turns to snow, it is still important to consider stormwater pollution. Pollutants such as soaps, fertilizers, automotive fluids, and pet waste can collect in the snow pack, accumulating until a thaw suddenly dumps them into the storm water system. Contaminants that end up in the storm drains are carried off, untreated, to streams and larger bodies of water that are used for drinking, swimming, or fishing.

A few helpful habits to reduce the amount of harmful pollutants entering storm drains this winter season:

- Winterizing vehicles. Check that your car is not leaking oil or other fluids. It takes only a small amount of motor oil to pollute thousands of gallons of water. Also, dispose of drained fluids properly. Many service stations will collect used motor oil and recycle it.
- Washing vehicles. On a warm winter day, you may be tempted to break out the hose and bucket to get some of the road grime off of your car. Take a moment to see where that runoff is going. Does it wash down the driveway and into the storm drain? If so, all that salt and dirt will enter a stream.
- De-icing driveways and sidewalks. While it may be habit to stock up on salt for the winter, many people would not consider dumping a bucket of salt on their lawn in the summer. But the results are similar. Salt runs off your sidewalk and onto the surrounding soil. Consider using more environmentally-friendly products which can be found at most home improvement stores.

Practicing healthy pollution prevention habits can keep pollutants from being washed into the storm drains. For more information go to [www.stormwaterpa.org](http://www.stormwaterpa.org).



## 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.



**ATTACHMENT # 8**  
**STORMWATER & MS-4 ACTIVITY**  
**TRACKING CHART**

	A	B	C	D	E	F	G
2	Date	Employee	Location	Permit #	Identifier SLD or DP #	Other	Description of Actions
3							
4	4/1/2015	jme	office	NA	NA	MS4	04-01-15 planning tasks for YBWA cleanup event
5	4/1/2015	jme	2232 Gettysburg Rd	20150048	NA	MS4	reported same to LAT MS4 officer
6	04/04/15	jme	State Hill Road @ Valley Road	NA	NA	MS4	Staffed YBWA public information booth and conducted roadside/streamside cleanup in conjunction with United Water PA "Trout Day" event.
7	04/06/15	REL	1403-1415 Benton Way	20140622	NA	MS4	Sid site stabilization controls in place
8	04/06/15	jme	Yetter Court cul-de-sac	NA	NA	MS4	Foods plant from stockpile in the public street. I informed them why this action is not acceptable and told request.
9	04/07/15	jme	Yetter Court cul-de-sac	NA	NA	MS4	
10	04/10/15	RJA	Brooks Edge		2013-07		Phase 1 - site inspection/e and s
11	4/16/15	REL	221 Ewe Road	N/A	N/A	MS4	100 to 150 gallons of water that was green was dumped into the street.
12	4/17/15	REL	1423-1429 Keegan Lane	20150011-14	N/A	MS4	SLD site stabilization controls in place
13	4/27/15	Keegan	1423-1429 Keegan Lane	20150011-14	N/A	MS4	Sid site stabilization controls in place
14	4/27/15	jme	1852 Sheepford Road	NA	na	ms4	Relay these concerns to owner Rhody Ross, with request to schedule inspection with RJA
15	4/27/15	jme	1852 Sheepford Road	NA	NA	MS4	Discuss neighbor's concern about adequate SWM controls where new driveway intersects with LAT public street. Same concern expressed for pending small flow treatment facility discharge.
16	4/29/15	RJA	1852 Sheepford Rd.				Site is lacking E and S controls, no swale to keep drainage form ROW, pipe installed and stones placed at cross pipe without LAT approval. NOV pending.
17	4/30/15	RJA	20140419				NOV delivered. Silt fence is still not installed properly.
18	05/05/15	jme	Arcona Road @ Cona Road	NA	2014-01		Passing Highpoint development. I observed E & S pollution controls in place along Arcona Road.
19	5/6/15	DJF	St Johns Rd @ Cherokee			MS4	installed through inlet at Route 15.
20	5/6/15	DJF	200 Belaire Dr			MS4	Minimal flow, no evidence of overtopping curb.
21	5/6/15	DJF	4641 Westport Dr. - MEPS			MS4	No evidence of flow through rock lined channel.
22	5/6/15	RJA	Brooks Edge		2013-07		Site Mtg w/ Contractor Phasing Plan
23	5/6/15	DJF	1215 Manor Dr		2007-12		E and S Controls working well.
24	5/6/15	DJF	4530 Lena Dr		2015-04		No evidence of site runoff/erosion.
25	5/7/15	JME	3401 Hartzdale Drive			MS4	SWM ordinance violation. I reminded DAY to report his observations about a probable violation at Enterprise Car Rental that he was previously directed to report.
26	5/21/15	RJA	1852 Sheepford Rd.	20140419			Gravel and sand delivered for the septic system. Materials placed in the ROW are being removed by the owner. E and S controls pending.
27	6/5/15	REL	1433 Keegan Lane	20140570		MS4	Sid site stabilization controls in place
28	6/5/15	RJA	1633 and 1635 Lowell Lane	20140543 and 544			Issued correction notice - E and S at storm drains and fence or sock at curb line.
29	6/10/15	JME	NA	NA	NA	MS4	Assist YBWA planning and promotion of creek friendly landscape contest and YBC stream cleanup
30	6/11/15	JME	NA	NA	NA	MS4	Announced and requested promotion of 2 YBWA events noted above at CCPC east outreach meeting
31	6/15/15	JME	1525 State Hill Road	NA	NA	MS4	forward to DJF
32	6/15/15	JME	1852 Sheepford Road	NA	NA	MS4	1852 Sheepford, plus river rock has been flushed through LAT cross pipe and onto their lawn.
33	6/15/15	RJA	1852 Sheepford Rd.	20140419			Citation issues for lacking E and S controls.

	A	B	C	D	E	F	G
34	6/16/15	RJA	1852 Sheepford Rd.	20140419			Site inspection follow up after citation. Instructed Owner to toe in the bottom of the silt fencing. Potential design change pending.
35	7/8/15	REL	1441-1449 Keegan Lane	20150074-78		MS4	Sid site stabilization controls in place
36	7/8/15	REL	1441-1449 Keegan Lane	20150074-78		MS4	Sid site stabilization controls in place
37	7/8/15	RJA	5022 Arthur Ave	20090368			Inspected earth failure near 42 inch SW pipe.
38	7/9/15	JME	NA	NA		MS4	Initiated distribution of YBWA creek friendly landscape contest information
39	7/9/15	REL	1441-1449 Keegan Lane	20150074-78		MS4	Sld site stabilization controls in place
40	7/9/15	RJA	2500 Gettysburg Rd	20120422	YES		BMX track demoed without a notice. 12 tri-axil truck loads removed from site. E and F permit pending.
41	7/12/15	JME	NA	NA	NA	MS4	Coordinated and participated in YBWA YBC cleanup event
42	7/13/15	JMVV	NA	NA	NA	MS4	Reported YBWA cleanup results with LJH and coordinated with Public Works for debris removal.
43	7/21/15	RJA	3702 Gettysburg Rd.	20120353			Check E and S. Needs bag at inlet and repalce silt sock.
44	7/21/15	RJA	1215 Manor Dr	20140274			will be required or alternative by Eng. LAT NOV pending.
45	7/22/15	RJA	2239 Gettysburg Rd.	20140438			Site inspection with CCCD for NPDES close out. Corrections needed.
46	7/23/15	JME	204 Creekwood Drive	NA	NA	MS4	Discuss YBWA creek friendly landscape contest with homeowner K. Brencaaks who then entered contest
47	7/28/15	REL	1441-1449 Keegan Lane	20150074-78		MS4	Sld site stabilization controls in place
48	7/28/15	RJA	850 Lisburn Rd	20140287			Site stabilized at Club House.
49	8/28/15	JME	1532 Thompson Lane	NA	NA	MS4	Forwarded complaint about clogged storm drain to Public Works
50	9/1/15	RJA	4530 Lena Dr	2015-04			BMP dug to depth with pipe being installed. fabric wrap in place.
51	9/9/15	JME	NA	NA	NA	MS4	outreach efforts were discussed.
52	9/10/15	JME	1532 Thompson Lane	NA	NA	MS4	Reminded PW about complaint from 8/28/15 due to repeat contact from property owner.
53	9/11/15	JME	NA	NA	NA	MS4	Provided YBWA public education/outreach materials, including landscape contest flyers, to YBWA board member who is attending an outreach event 09/16/15.
54	9/14/15	RJA	Meridian Commons				Site inspection. Basin and 76 inch end wall at pipe still pending.
55	9/14/15	RJA	1852 Sheepford Rd.	20140419			Owner fined \$25 plus court cost for lacking E and S control violation.
56	9/22/15	REL	1441-1449 Keegan Lane	20150074-78	N/A	MS4	Sld site stabilization controls in place
57	9/22/15	REL	1402-1420 Rose lane	349	N/A	MS4	Sld site stabilization controls in place
58	9/23/15	RJA	4549 Manor Dr.	20150140			Inspected BMP at pool and patio install.
59	9/23/15	RJA	4732 Gettysburg Rd.				Met w Brian James and Select Capital at site for preconstruction meeting.
60	9/23/15	RJA	Meridian Commons				Site inspection for status of 15 item punch list. Temp basin needs maintenance. Parging at outlet structure required.
61	10/6/15	JME	NA	NA	NA	MS4	Did promotional tasks for YBWA annual meeting program (creek friendly landscape contest)
62	10/7/15	RJA	2404 Gettysburg Rd	20150229	N/A		Trench drain installed instead of inlet boxex. As built plan required prior to final CO. E and S required at trench to Pond #3.
63	10/8/15	JME	NA	NA	NA	MS4	Facilitate and participate in YBWA public outreach event/landscape contest
64	10/9/15	REL	1841 Brookview Dr	20140167		MS4	Silt Fence & rock entrance in place
65	10/12/15	RJA	5043 Ravenwood Rd.	20150025			Sent e-mail to Sheely Homes to maintain the E and S controls, silt fence and RCE.
66	10/13/15	RJA	4533 Gettysburg Rd	Pending			Delivered notice to property owner's wife. Silt fence in place and adequate. Needs some improvement in places.
67	10/13/15	RJA	2404 Gettysburg Rd.	20150229			E and S in place at Pond #3.
68	10/15/15	RJA	Phase 1.4 Highpoint Crossroads				Site meeting w/ CCCD, Tom Blair and Matt Esheleman. Various E and S controls to be placed, replaced and maintained.

	A	B	C	D	E	F	G
69	10/19/15 JME	NA	NA	NA	NA	MS4	Follow-up tasks for YBWA public outreach event/landscape contest
70	10/27/15 REL	5018 Ravenwood Rd	20150315	N/A		MS4	Silt fence ok, Rock Construction entrance ok but no concrete washout sign or area.
71	11/3/15 RJA	4732 Gettysburg Rd		2014-02			E and S controls in place
72	11/4/15 RJA	5120 Simpson Ferry Rd.	20140408				Final site inspection for basket ball court. DJF to follow up as needed.
73	11/6/15 REL	1456 Mollys Run	20150475	N/A		MS4	Sid site stabilization controls in place
74	11/13/15 REL	5018 Ravenwood Rd	20150315	N/A		MS4	Silt Fence installed, rock construction entrance & concrete washout in place
75	11/18/15 RJA	1607 Cobble Ct.					Site stabilization at retaining wall.
76	11/20/15 RJA	Sheepford Rd	20100315	E and F			Status of E and S controls
77	11/23/15 RJA	4155 Birchwood Rd		2004-07			Status of Basin. Grading and E and S controls still needed.
78	11/24/15 RJA	1742 Liberty Cove	201400104				BMP inspected as built. Agreement with owner pending.
79	12/3/15 RJA	3030 Meridian Way	20150153				Site and SLD E and S controls in place. CCCD basin conversion pending.
80	12/11/15 RJA	2407 Gettysburg Rd	N/A	Plan Pending			E-mails regarding post paving drainage at Nina Alley.
81	12/18/15 RJA	3255 Long View Rd	20140381				Site stabilized. Noted CCCD corrections from 10/15/15 remain in place.
82	12/22/15 RJA	2500 Lisburn Rd.				MS4	Plan review of SW project at Prison site. Less than 1000 sq ft new impervious. Project exempt.
83	1/5/16 REL	3262 Mission Hill Rd	20150561			MS4	SLD site stabilization controls in place
84	1/6/16 REL	3262 Mission Hill Rd	20150561			MS4	SLD site stabilization controls in place
85	1/6/16 REL	1458 Mollys Run	20150564			MS4	SLD site stabilization controls in place
86	1/8/16 REL	1458 Mollys Run	20150564			MS4	Sid site stabilization controls in place
87	1/8/16 REL	3262 Mission Hill Rd	20150561			MS4	Sid site stabilization controls in place
88	1/18/16 RJA	2050 Brooks Edge	20150159				Site inspections for Zoning CO. Missing bag at inlet. Label "Storm" on manholes if on the SLD plan.
89	2/19/16 RJA	1633-1635 Lowell Ln	20140544				Site inspection. Missing sock or silt fence at the curb line. Bag is in the inlet.
90	2/19/16 RJA	1408 Benton Way	20150032				off at Rocky Way. No drainage east of Lisburn at the curve?
91	2/24/16 RJA	Yellow Breeches Farms					Inspected Basin 1 and 2. Heavy erosion at rip rap at 4161 Birchwood Ln.
92	2/25/16 RJA	2236 Gettysburg Rd					Asked LAT staff to repair silt fence at new building.
93	2/29/16 RJA	2233 Gettysburg Rd.	20140438			MS4	Met with Paul Garrett of the Camp Hill Environmental Club. Explained design and function of CSR Park's BMPs.
94	3/2/16 RJA	1633 and 1635 Lowell Lane	20150544				Sent e-mail to Classic Corp to maintain the E and S controls, silt fence and RCE.
95	3/4/16 RJA	Arcona 1.5					required inspections.
96	3/14/16 WPG	LAT Office				MS4	Twp. Hires MS-4 Coordinator
97	3/15/16 RJA	LAT				MS4	Attended annual training at Lower Allen Township MSC.
98	3/15/16 WPG	LAT Office				MS4	Public Notice for annual MS-4 meeting published in local paper.
99	3/16/16 RJA	1540 Sheefferd Rd					Checked E and S measures. Correction notice pending.
100	3/18/16 RJA	950 Woodlands Ave.		DP 2012-04			parking lot. Discussed e-mailing almost daily for progress and for required inspections.

	A	B	C	D	E	F	G
101	3/22/16	WPG	LAT Office			MS4	Annual Review of MS-4 Program and MCM's
102	3/22/16	RJA	950 Woodlands Ave.		DP 2012-04		Investigated outlet locations to existing basin. BMP parking lot project is pending.
103	3/23/16	JME	1900 block Carlisle Road			MS4	is rutted and mud is being tracked onto street. Reported to L.J.H.
104	3/23/16	JME	NA	NA	NA	MS4	Attended YBWA meeting. Discussed public education and outreach events for watershed stewardship, including MS4 related events and projects that will impact/benefit LAT
105	3/28/16	WPG	LAT Office			MS4	Annual Public Meeting
106	3/28/16	RJA	950 Woodlands Ave.		DP 2012-04		detecting pending request.
107	3/29/16	RJA	2237 Orchard Ln				Received complaint from owner regarding stream maintenance.
108	3/29/16	RJA	Brooks Edge	20150159			Inspected basin drainage. Hose to neighboring property was removed. Outlet box drainage at lower pipe needs to be plugged.
109	3/31/16	RJA	3325 Hartzdale Dr			MS4	Investigated potential illicit discharge at Outfall CR 5.0. 54 inch cmp had little flow and no sign of suds or foam.



**ATTACHMENT # 9**  
**IDDE OUTFALL MONITORING**  
**INFORMATION**

# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Cedar Run		Outfall ID: CRR1.0	
Today's Date: 1/18/16		Time (Military): 9:30	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 34	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2193258.266	Longitude: 320794.572	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1191	
Land Use in Drainage Area (Check all that apply): <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Industrial  <input type="checkbox"/> Ultra-Urban Residential            X - Suburban Residential  <input type="checkbox"/> Commercial         </div> <div> <input type="checkbox"/> Open Space  <input type="checkbox"/> Institutional            Other: _____            Known Industries: _____         </div> </div>			
Notes (e.g., origin of outfall, if known): Rossmoyne Manor			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>6</u> Top Width: <u>15</u> Bottom Width: <u>3</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes    X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

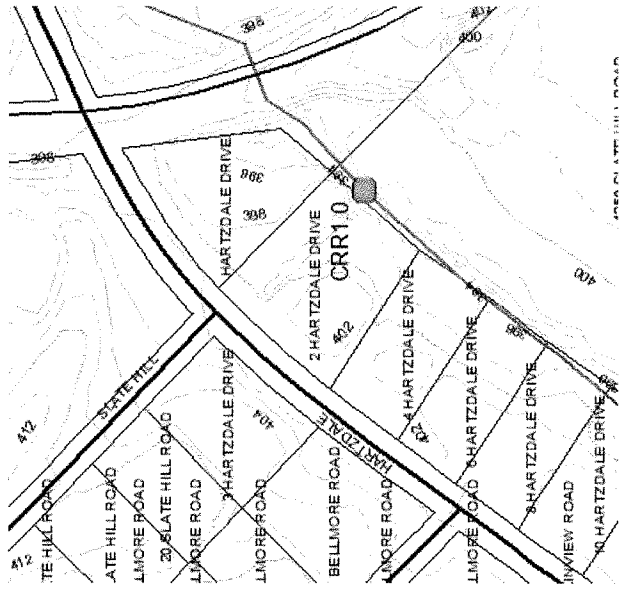
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	_____ ' _____"	Ft, In	Tape measure
	Measured length	_____ ' _____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Photo:



Site:



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Cedar Run		Outfall ID: CRR2.0	
Today's Date: 1/18/16		Time (Military): 9:15	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 34	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2192983.871	Longitude: 320306.089	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1193	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): Rossmoyne Manor			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	<input type="checkbox"/> RCP      X CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: 36" _____  In Water: X No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: X No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth:  Top Width:  Bottom Width:
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

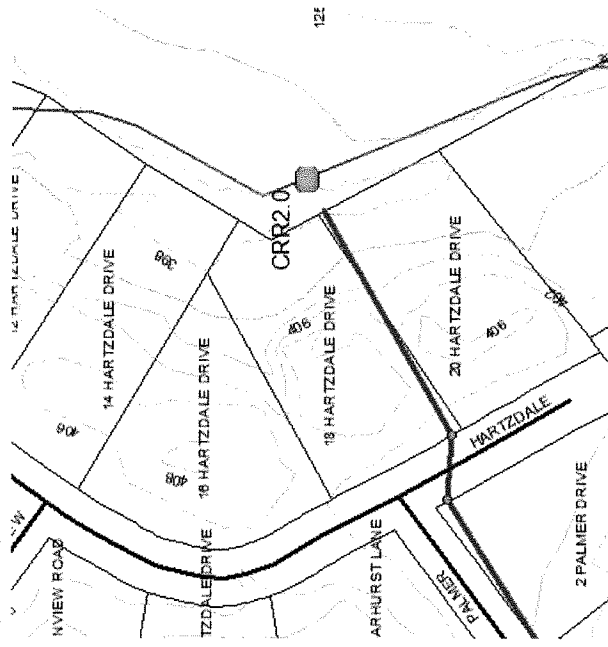
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Photo:



Site:



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Cedar Run		Outfall ID: CRR3.0	
Today's Date: 3/9/16		Time (Military): 10:40	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 78	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2192950.589	Longitude: 319698.939	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1191	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): Rossmoyne Manor			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen X rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid X Parabolic <input type="checkbox"/> Other: _____	Depth: <u>4</u> Top Width: <u>25</u> Bottom Width: <u>15</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

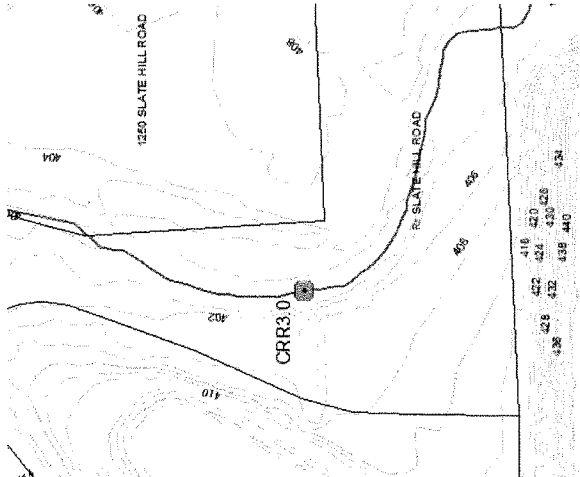
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Photo:



Site:



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Cedar Run		Outfall ID: CRR4.0	
Today's Date: 3/9/16		Time (Military): 11:36	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 34	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2193981.697	Longitude: 317316.524	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1202	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: 1  Top Width: 3  Bottom Width: 2	[Hatched Box]
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

## Section 3: Quantitative Characterization

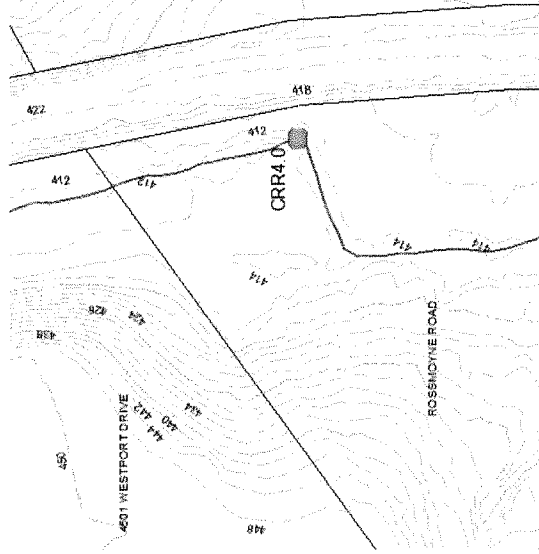
FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	



**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Cedar Run		Outfall ID: CRR5.0	
Today's Date: 3/9/16		Time (Military): 11:45	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 34	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2193923.314	Longitude: 317005.898	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1202	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: 1  Top Width: 1.5  Bottom Width: 1	[Hatched Box]
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____', ____"	Tape measure	
	Measured length	____', ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC25.0	
Today's Date: 3/9/16		Time (Military): 14:00	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 79	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2198571.933	Longitude: 317732.956	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1218	
Land Use in Drainage Area (Check all that apply): <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Industrial  <input type="checkbox"/> Ultra-Urban Residential            X - Suburban Residential  <input type="checkbox"/> Commercial         </div> <div> <input type="checkbox"/> Open Space  <input type="checkbox"/> Institutional            Other: _____            Known Industries: _____         </div> </div>			
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>2</u> Top Width: <u>8</u> Bottom Width: <u>3</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes    X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

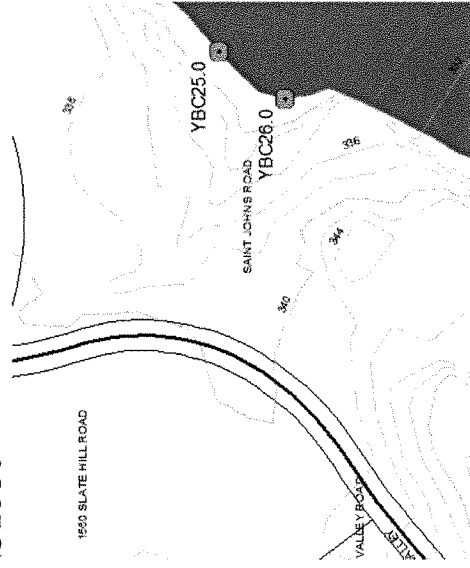
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC26.0	
Today's Date: 3/9/16		Time (Military): 14:10	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 79	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2198552.142	Longitude: 317707.768	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1217	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>5</u> Top Width: <u>12</u> Bottom Width: <u>9</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes    X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

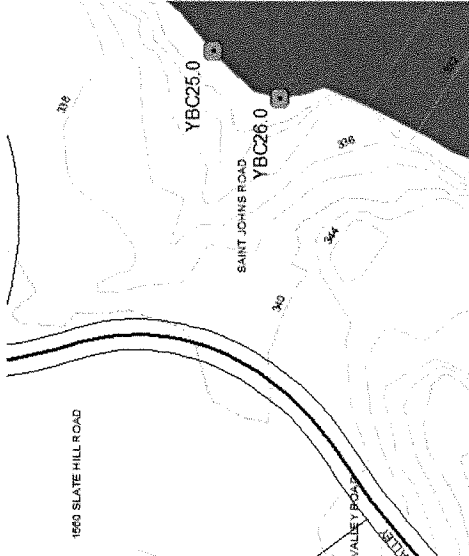
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC26.0	
Today's Date: 3/9/16		Time (Military): 14:05	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 79	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2198552.142	Longitude: 317707.768	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1217	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

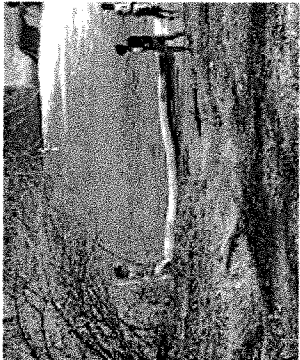
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>5</u> Top Width: <u>12</u> Bottom Width: <u>9</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

## Section 3: Quantitative Characterization

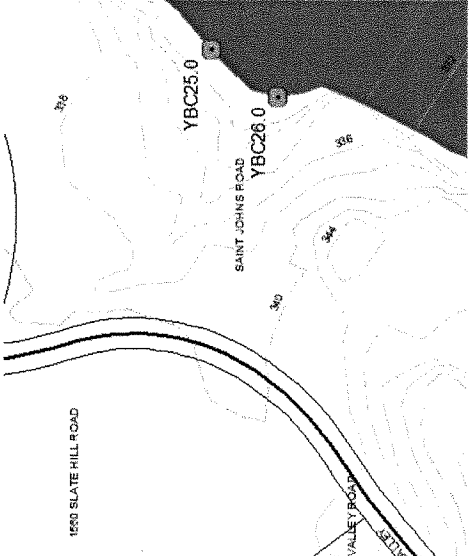
FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	



**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC27.0	
Today's Date: 3/9/16		Time (Military): 14:15	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 79	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2197164.146	Longitude: 316589.202	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1222	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	<input type="checkbox"/> RCP      X CMP	X Circular	X Single	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	<input type="checkbox"/> PVC <input type="checkbox"/> HDPE	<input type="checkbox"/> Elliptical	<input type="checkbox"/> Double	
	<input type="checkbox"/> Steel	<input type="checkbox"/> Box	<input type="checkbox"/> Triple	
	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____	
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete	<input type="checkbox"/> Trapezoid  <input type="checkbox"/> Parabolic  <input type="checkbox"/> Other: _____	Depth:	
	<input type="checkbox"/> Earthen		Top Width:	
	<input type="checkbox"/> rip-rap		Bottom Width:	
	<input type="checkbox"/> Other: _____			
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

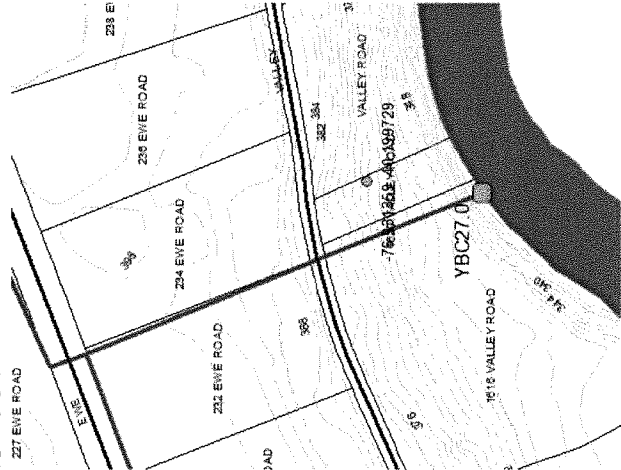
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Photo:



Site:



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC28.0	
Today's Date: 3/9/16		Time (Military): 14:15	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 35	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2197111.26	Longitude: 316053.457	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1244	
Land Use in Drainage Area (Check all that apply): <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Industrial  <input type="checkbox"/> Ultra-Urban Residential            X - Suburban Residential  <input type="checkbox"/> Commercial         </div> <div> <input type="checkbox"/> Open Space  <input type="checkbox"/> Institutional            Other: _____            Known Industries: _____         </div> </div>			
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	XTrapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: 3  Top Width: 8  Bottom Width: 2	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes    X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

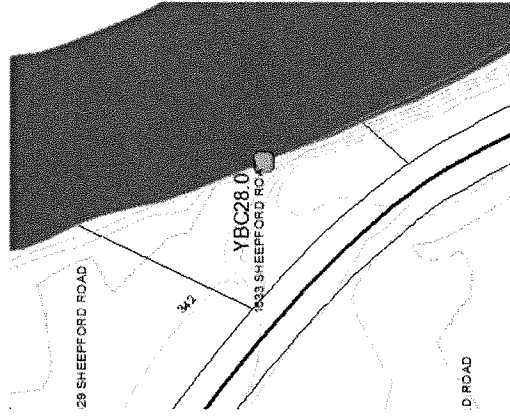
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC29.0	
Today's Date: 3/10/16		Time (Military): 9:55	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 35	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2197165.837	Longitude: 315933.553	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1245	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: 20  Top Width: 2  Bottom Width: 7	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes    X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

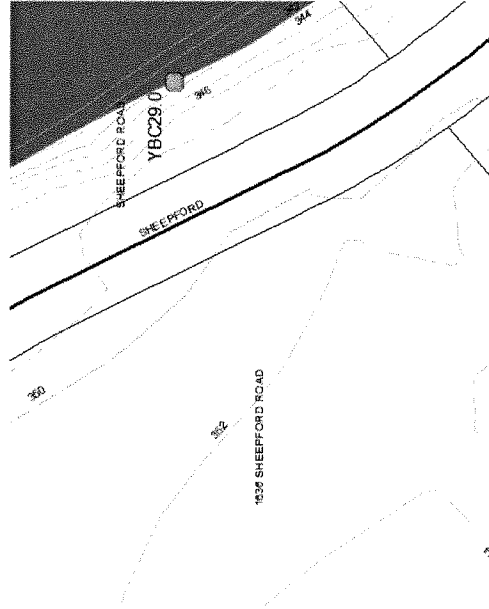
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

**Photo:**



**Site:**



## OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

### Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC30.0	
Today's Date: 3/10/16		Time (Military): 9:58	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 35	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2197321.371	Longitude: 315787.112	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1247	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

### Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	<input type="checkbox"/> RCP      X CMP	X Circular	X Single	Diameter/Dimensions: _____ 24"  In Water: X No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: X No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	<input type="checkbox"/> PVC <input type="checkbox"/> HDPE	<input type="checkbox"/> Elliptical	<input type="checkbox"/> Double	
	<input type="checkbox"/> Steel	<input type="checkbox"/> Box	<input type="checkbox"/> Triple	
	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____	
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete	<input type="checkbox"/> Trapezoid  <input type="checkbox"/> Parabolic  <input type="checkbox"/> Other: _____	Depth:  Top Width:  Bottom Width:	
	<input type="checkbox"/> Earthen			
	<input type="checkbox"/> rip-rap			
	<input type="checkbox"/> Other: _____			
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

### Section 3: Quantitative Characterization

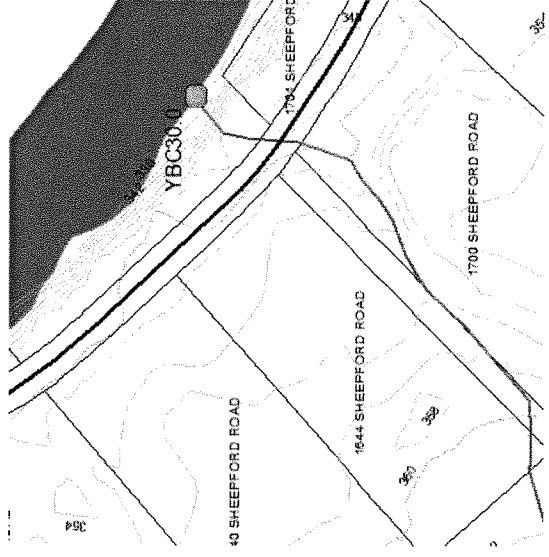
FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
	Temperature		°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip



**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC31.0	
Today's Date: 3/9/16		Time (Military): 14:20	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2198085.643	Longitude: 315620.708	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1247	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: 3  Top Width: 10  Bottom Width: 8	[Hatched Box]
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	X Yes      No	<i>If No, Skip to Section 5</i>		
Flow Description (If present)	X Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

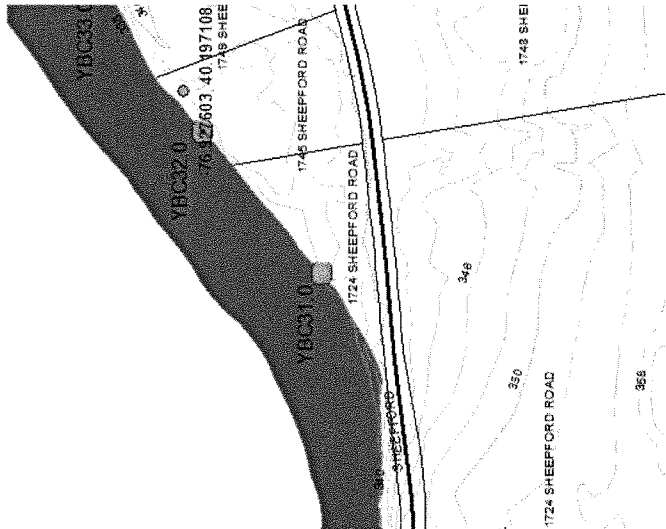
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Photo:



Site:



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBC32.0	
Today's Date: 3/10/16		Time (Military): 9:45	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 35	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2198199.532	Longitude: 315717.235	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1243	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: 2  Top Width: 5  Bottom Width: 3	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

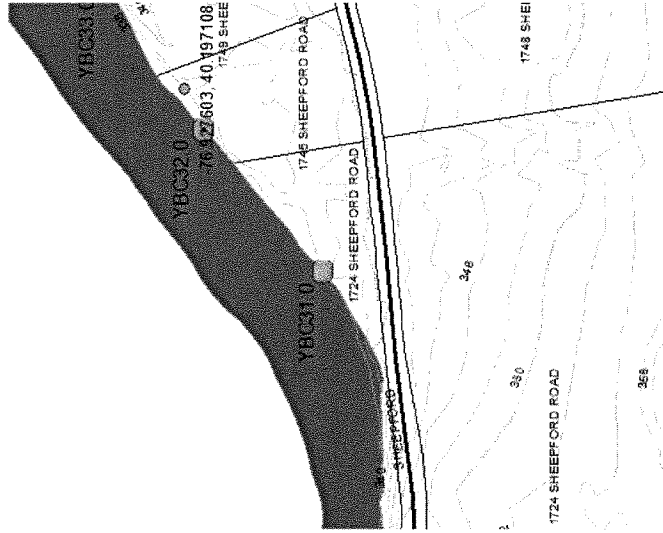
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBT1.0	
Today's Date: 3/9/16		Time (Military): 10:40	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 77	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2199203.886	Longitude: 318659.224	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #s: 1191	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid X Parabolic <input type="checkbox"/> Other: _____	Depth: <u>3</u>  Top Width: <u>10</u>  Bottom Width: <u>5</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

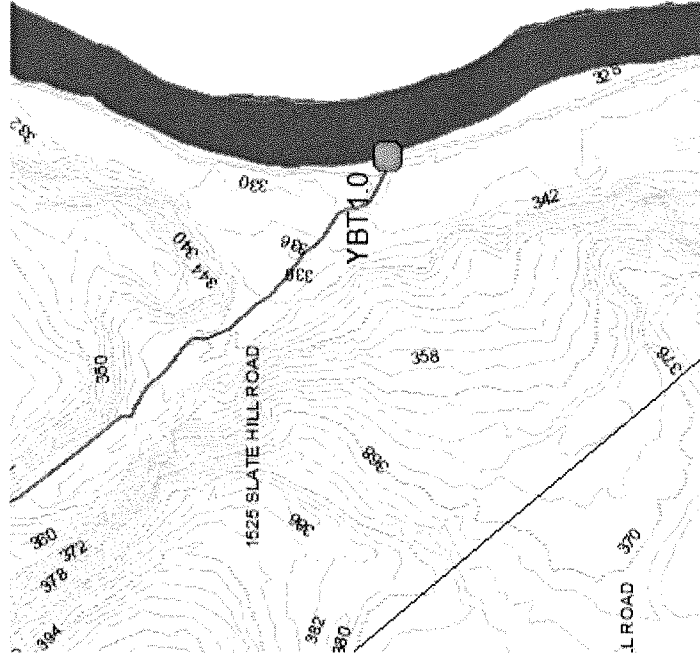
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

**Photo:**



**Site:**



# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBT2.0	
Today's Date: 1/8/16		Time (Military): 10:00	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 34	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2197051.145	Longitude: 316292.547	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes		Photo #: 1226	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>9</u> Top Width: <u>18</u> Bottom Width: <u>17</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes      X No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	





# OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

## Section 1: Background Data

Subwatershed: Yellow Breeches		Outfall ID: YBT3.0	
Today's Date: 3/10/16		Time (Military): 10:55	
Investigators: Lower Allen Township		Form completed by: Ray Allen	
Temperature (°F): 35	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0		
Latitude: 2197051.145	Longitude: 316292.547	GPS Unit: N/A	GPS LMK #: N/A
Camera: Yes	Photo #s: 1226		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
X - Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

## Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
X Open drainage	<input type="checkbox"/> Concrete X Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	X Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>9</u> Top Width: <u>18</u> Bottom Width: <u>17</u>	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	X Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	X Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

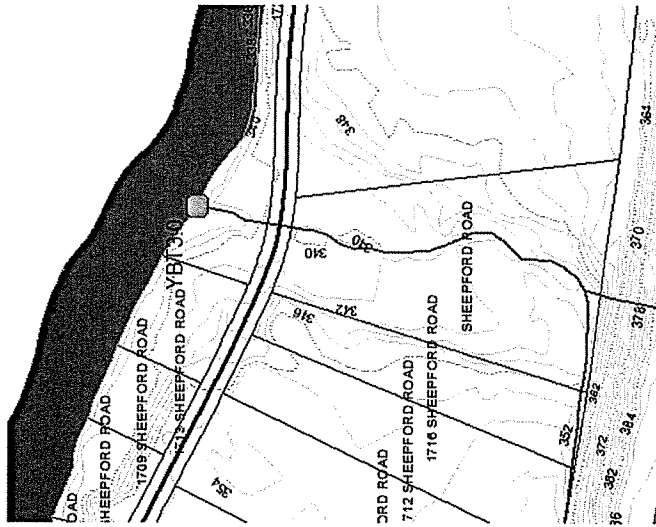
## Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Photo:



Site:



**ATTACHMENT # 10**  
**INVENTORY OF INSTALLED BMP'S**

# **DESCRIPTION OF BMP OPERATION AND MAINTENANCE PROCEDURES**

## **INITIAL APPROVAL**

In accordance with the requirements of the newly approved Stormwater Management Ordinance (SWMO), all newly installed stormwater Best management Practices (BMP's) 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 SWMO, the ongoing inspection and maintenance of the installed BMP's is expected to be done by the Owner, at their expense.

## **ANNUAL ACTIVITIES**

Every year the Township sends a letter out to all of the BMP permit holders requesting that they inspect their installed BMP's, along with the required forms. The Owners then return their forms to the Township to document that the inspections were performed. This information is then attached to the annual MS-4 report.

The Township also has a program to perform the required inspection work upon the request of the Owner and at their expense.



**ATTACHMENT # 11**  
**BMP INSPECTION REPORTS**

Lower Allen Township  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-11-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Ashbury Communities Inc DBA - Bethany Village	<u>Property Address</u> 325 Wesley Drive + 5225 Wilson Lane
<u>Tax Parcel ID No.</u> 13-09-0545-006	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/8/16

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 IRVIN  
Name (print)

[Signature]  
Signature

1/8/16  
Date



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DEC 31 2015

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

<u>Property Owner Name(s)</u> Jonathan Buel	<u>Property Address</u> 1595 Thompson Lane Mech. PA 17055
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 12/28/2015**Inspection of Open Basins:**

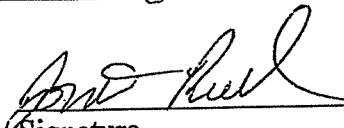
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	y	
Stability of embankments and other soil areas	y	
Integrity and condition of vegetation	y	
Collection, storage and release of stormwater in accordance with the facility 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	

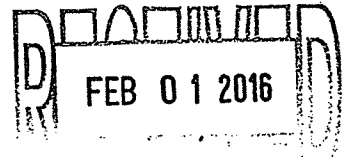
Submitted by:

Jonathan Buel  
Name (print)

  
Signature

12/28/15  
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

<u>Property Owner Name(s)</u> Michael C. Cherewka	<u>Property Address</u> 4557 Manor Dr Mechanicsburg, PA 17055
<u>Tax Parcel ID No.</u> 13-10-0256-055	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/20/16

**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*	Grading on my yard & neighbor's not approved - still have silt fence. Would like resolved - Ray has been trying
Integrity and condition of vegetation	N - overgrown. never cleaned. hard to access	clear out, at least a path to access the structures
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		

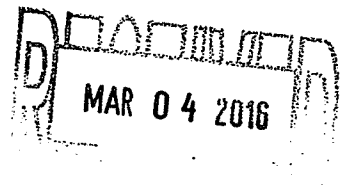
Submitted by:

Michael C Cherewka  
Name (print)

  
Signature

1/23/16  
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

<u>Property Owner Name(s)</u> Christ Community Church	<u>Property Address</u> 1201 State Hill Rd
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 2/4/2016

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:

FRED Dupert  
Name (print)

  
Signature

2/4/2016  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-7-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> L. Lance Bonsall	<u>Property Address</u> 5030 ARTHUR AVE MECHANICSBURG, PA 17050
<u>Tax Parcel ID No.</u> 251772980	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: Jan 4, 2016

**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 L. Bonsall  
Name (print)

Shanna L. Bonsall  
Signature

01/04/16  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

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LOWERALLENTWP.

Stormwater Management Facilities and Best Management Practices (BMP)

Operation and Maintenance Inspection Report

Property Owner Name(s) <i>CROSSROADS HOUSING LP</i>	Property Address <i>2121 : 2141 CEDAR RUN DRIVE, CAMP HILL, PA 17011</i>
Tax Parcel ID No. <i>13-23-0549-235</i>	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 12-28-15

**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:

BUCK BIBLER  
Name (print) *MAINT./CONSTRUCTION*  
*Director*

*[Signature]*  
Signature

12-28-15  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-13-16

**Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report**

<b>Property Owner Name(s)</b> DEPARTMENT OF CORRECTIONS SCI - CAMP HILL	<b>Property Address</b> 2500 LISBURN ROAD CAMP HILL, PA 17001
<b>Tax Parcel ID No.</b> 13-09-0547-007-EX	<b>Subdivision/Land Development/Drainage Plan No. (if known)</b> DCS PROJECT NO. 573-28

Date of Inspection: JANUARY 7, 2016

**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	INTEGRITY AND OPERATION OF FACILITIES MAINTAINED
Stability of soil over and adjacent to the facility	Y	LAWN OVER STRUCTURE AND ADJACENT AREA AT WALKWAY STABLE AND EVEN GRADE
Collection, storage and release of stormwater in accordance with the facility design	Y	STORMWATER FACILITY OPERATING ACCORDING TO DESIGN - NO POOLING OR STANDING WATER OBSERVED
Sediment accumulation	Y	NO OBSERVED SEDIMENT.
Safety	Y	NO ISSUES NOTED

Submitted by:

CAROL A. PIONTKOWSKI, P.E.  
Name (print)

Carol A. Piontkowski  
Signature

1/7/2016  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

**LOWER ALLEN TOWNSHIP**  
**2233 GETTYSBURG ROAD**  
**CAMP HILL PA 17011**  
1-13-16

**Stormwater Management Facilities and Best Management Practices (BMP)**  
**Operation and Maintenance Inspection Report**

<u>Property Owner Name(s)</u> DEPARTMENT OF CORRECTIONS SCI - CAMP HILL	<u>Property Address</u> 2500 LISBURN RD CAMP HILL, PA 17001
<u>Tax Parcel ID No.</u> 13-09-0547-007-EX	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> DGS PROJECT NO. 573-25

Date of Inspection: JANUARY 7, 2016

**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	INTEGRITY AND OPERATION OF FACILITIES MAINTAINED
Stability of soil over and adjacent to the facility	Y	EMBANKMENTS AND LAWN SURFACE ARE STABLE AND WELL MAINTAINED
Collection, storage and release of stormwater in accordance with the facility design	Y	FACILITY OPERATING IN ACCORDANCE TO DESIGN
Sediment accumulation	Y	NONE OBSERVED
Safety	Y	NO ISSUES NOTED

Submitted by:

CAROL A. PIONTKOWSKI, P.E.      Carol A. Piontkowski      1/7/2016  
Name (print)                                      Signature                                      Date



January 8, 2016

Lower Allen Township  
Attention: Community Development Department  
2233 Gettysburg Road  
Camp Hill, PA 17011

Re: PA Department of Corrections (DOC) - SCI-Camp Hill  
NPDES No. PAG133717-MS4 –Stormwater BMPs  
Operation and Maintenance Inspection Report -2014

To Whom It May Concern:

On behalf of SCI-Camp Hill, the DOC is submitting the Operation and Maintenance Inspection Reports-2015 for the NPDES Municipal Separate Storm Sewer Systems (MS4s) General Permit. Coverage for the General NPDES permit (PAG-13) commenced on August 1, 2013. The inspection reports are for the two underground stormwater management facilities and best management practices (BMPs), according to their Maintenance and Monitoring Agreements.

If you have any questions or need additional information, please contact me at (717) 728-0372.

Sincerely,

A handwritten signature in black ink that reads "Carol A. Piontkowski". The signature is fluid and cursive, with the first name "Carol" and last name "Piontkowski" clearly legible.

Carol A. Piontkowski P.E.  
Environmental Engineer Consultant  
Bureau of Operations

xc: Laurel Harry , Superintendent, SCI-Camp Hill  
Howard Gouse, Facility Maintenance Manager 3, SCI-Camp Hill  
File

Enclosures



JAN 21 2016

**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**

<b><u>Property Owner Name(s)</u></b> Harold E Duffey II Constance M Duffey	<b><u>Property Address</u></b> 1718 Liberty Cove Mechanicsburg PA 17055
<b><u>Tax Parcel ID No.</u></b> 13-11-0270-098	<b><u>Subdivision/Land Development/Drainage Plan No. (if known)</u></b>

Date of Inspection: 1/11/2016

**Inspection of Open Basins:**

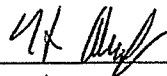
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility 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:

Harold E Duffey II  
 Name (print)

  
 Signature

1/11/2016  
 Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

FEB 12 2016

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> JOHN J ECTRINGHAM CLAIRE SHOCKLEY	<u>Property Address</u> 1724 LIBERTY CV., MECHANICSBURG 17058
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/15/16

**Inspection of Open Basins:**

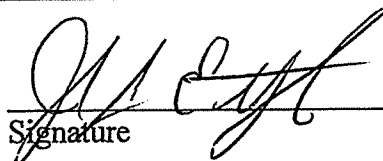
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility 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:

JOHN ECTRINGHAM  
Name (print)

  
Signature

2/9/16  
Date

2/10/16

**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

<u>Property Owner Name(s)</u>	<u>Property Address</u>
Etter Investments, LLC	5026 Arthur Ave Mech. PA 17050
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 2-9-16

**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:

Tracy D. Etter  
 Name (print)

[Signature]  
 Signature

Feb 9, 2016  
 Date

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DEC 30 2015

**Lower Allen Township**  
 National Pollutant Discharge Elimination System (NPDES)  
 Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TWP.

Stormwater Management Facilities and Best Management Practices (BMP)

Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> <i>Chris Fedorin</i>	<u>Property Address</u> <i>1403 Wellgate Lane Mechanicsburg, Pa 17055</i>
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> <i>Allen Estates</i>

Date of Inspection: 12/27/15**Inspection of Open Basins:**

	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	<i>Yes</i>	
Stability of embankments and other soil areas	<i>Yes</i>	
Integrity and condition of vegetation	<i>Yes</i>	
Collection, storage and release of stormwater in accordance with the facility design	<i>Yes</i>	
Sediment accumulation	<i>Yes</i>	
Safety	<i>Yes</i>	

**Inspection of Subsurface Storage/Infiltration Facilities:**

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	<i>Yes</i>	
Stability of soil over and adjacent to the facility	<i>Yes</i>	
Collection, storage and release of stormwater in accordance with the facility design	<i>Yes</i>	
Sediment accumulation	<i>Yes</i>	
Safety	<i>Yes</i>	

Submitted by:

*Chris Fedorin*  
 Name (print)

*Chris Fedorin*  
 Signature

12/27/15  
 Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-6-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Hassan Ada + Laura Yohe-Ada	<u>Property Address</u> 2414 Massachusetts Avenue Camp Hill, PA 17011
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/1/16

**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:

Hassan Ada / Laura Yohe-Ada  
Name (print)

CHAS / Laura KML  
Signature

1/1/16  
Date

Yelland LRP  
13-10 0256-030 upc

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-19-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Kenneth L. Hutchison	<u>Property Address</u> 4510 Westport Dr.
<u>Tax Parcel ID No.</u> Lot 7C PB70 PG 107	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/11/2016

**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		
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:

David A. Hlatky  
Name (print)

D Hlatky  
Signature

1/11/2016  
Date

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DEC 30 2015

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

<u>Property Owner Name(s)</u> RUDOLF GASSNER GERTRUDE V. GASSNER	<u>Property Address</u> 1712 LIBERTY COVE MECHANICSBURG, PA 17055
<u>Tax Parcel ID No.</u> 13-11-0270-097	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 12-28-2015

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:

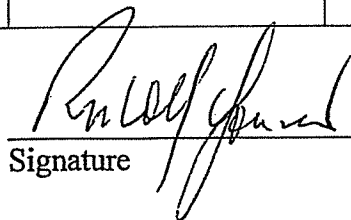
	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	✓	
Stability of soil over and adjacent to the facility	✓	
Collection, storage and release of stormwater in accordance with the facility design	✓	
Sediment accumulation	✓	
Safety		

Submitted by:

RUDOLF GASSNER

Name (print)

Signature



Date

12/28/2015

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2283 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-7-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> HHA Properties	<u>Property Address</u> 5026 Ritter Road
<u>Tax Parcel ID No.</u> 13-10-0156-002A	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/7/16

**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	NO	
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	NO	
Safety	yes	

Submitted by:

DEBRA JOINT  
Name (print)

[Signature]  
Signature

1/7/16  
Date



Lower Allen Township  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-7-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> HIZLA PROPERTIES	<u>Property Address</u> 5010 RITTER ROAD
<u>Tax Parcel ID No.</u> 13-10-0256-002B	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/7/16

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	no	
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	no	
Safety	yes	

Submitted by:

DEBRA YOUNG  
Name (print)

[Signature]  
Signature

1/7/16  
Date

Lower Allen Township  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-7-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> HIBA PROPERTIES	<u>Property Address</u> 5000 RITTER ROAD
<u>Tax Parcel ID No.</u> 13-10-0256-002C	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/7/16  
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	No	
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	No	
Safety	yes	

Submitted by:

DEBRA YOUNG  
Name (print)

[Signature]  
Signature

1/7/16  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-7-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> H/LA Properties	<u>Property Address</u> 4925 RITTER ROAD
<u>Tax Parcel ID No.</u> 10-0256-0150000000-13	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

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	Yes	
Integrity and condition of vegetation	Yes	
Collection, storage and release of stormwater in accordance with the facility design	Yes	
Sediment accumulation	No	
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	No	
Safety	Yes	

Submitted by:

DEREK YOUNG  
Name (print)

[Signature]  
Signature

1/7/16  
Date

Yellman LTPD  
13-10 0256-030 upc

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES) **233 GETTYSBURG ROAD**  
Municipal Separate Storm Sewer System (MS4) Permit **CAMP HILL PA 17011**

1-19-16

**Stormwater Management Facilities and Best Management Practices (BMP)**

Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Kenneth L. Hutchison	<u>Property Address</u> 4510 Westport Dr.
<u>Tax Parcel ID No.</u> Lot 7C PB 70 PG 107	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> .

Date of Inspection: 1/11/2016

**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		
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	

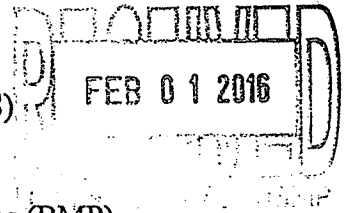
Submitted by:

David A. Hlatky  
Name (print)

D Hlatky  
Signature

1/11/2016  
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

<u>Property Owner Name(s)</u> Timothy L Jones	<u>Property Address</u> 4549 Manor Dr. Mech., PA 17055
<u>Tax Parcel ID No.</u> 13100256057	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/29/16

**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	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		
Collection, storage and release of stormwater in accordance with the facility design		
Sediment accumulation		
Safety	Y	

Submitted by:

Tim Jones  
Name (print)

Tim Jones  
Signature

1/29/16  
Date

RECEIVED  
APR 15 2016  
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**

<u>Property Owner Name(s)</u> Justin L. Kaercher Cassandra L. Kaercher	<u>Property Address</u> 8 Cedar Cliff Dr. Camp Hill, Pa 17104
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 12/30/15

**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  
Name (print)

[Signature]  
Signature

12/30/15  
Date

REC'D  
5/18/16  
UPG

**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

<u>Property Owner Name(s)</u> Koskap Partners	<u>Property Address</u> 3300 Harbottle Rd Campbell
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

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	ok y	
Safety	ok y	

**Inspection of Subsurface Storage/Infiltration Facilities:**

	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	2/15/16 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:

Marlon R. Kapell  
Name (print)

Marlon R. Kapell  
Signature

2/15/16  
Date

Rec'd  
5/18/16  
upl

**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

<u>Property Owner Name(s)</u> Kestap Partners	<u>Property Address</u> 250 Gettysburg Pk Camp Hill
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 2/15/16

**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:

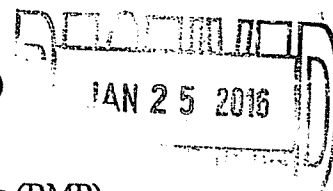
MARTIN R KAPPELL  
Name (print)

Martin R Kappell  
Signature

2/15/16  
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

<u>Property Owner Name(s)</u> ANTONIO T LANNES SOFIA H LANNES	<u>Property Address</u> 4913 WOODBROOK LN. MECHANICSBURG, PA 17055
<u>Tax Parcel ID No.</u> 13-26-0247-106	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

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:

ANTONIO T LANNES

Name (print)

Signature

1/20/16

Date

**Lower Allen Township**  
 National Pollutant Discharge Elimination System (NPDES) **LOWER ALLEN TOWNSHIP**  
 Municipal Separate Storm Sewer System (MS4) Permit **GETTYSBURG ROAD**  
**CAMP HILL PA 17011**

1-19-16

**Stormwater Management Facilities and Best Management Practices (BMP)**

**Operation and Maintenance Inspection Report**

<u>Property Owner Name(s)</u> Letort Group LLC	<u>Property Address</u> 3130 Morningside Drive Camp Hill, PA
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

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	<del>Y</del> N/A	
Stability of soil over and adjacent to the facility	<del>Y</del>	
Collection, storage and release of stormwater in accordance with the facility design	<del>Y</del>	
Sediment accumulation	<del>Y</del>	
Safety	<del>Y</del>	

Submitted by:

Katie Clarke  
 Name (print)

Katie Clarke  
 Signature

1/14/2015  
 Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
DESMOND HILL PA 17011

1-7-16

Stormwater Management Facilities and Best Management Practices (BMP)

Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> LFGC INC.	<u>Property Address</u> 3804 LISBURN RD MECHANICSBURG PA 17055
<u>Tax Parcel ID No.</u> 13-11-0270-042	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 12/29/2015

**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:

LUKE A V GRUMBINE

Name (print)

Luke A V Grumbine

Signature

1/5/2016

Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011

1-5-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Lingo Properties III, LP	<u>Property Address</u> 1215 Manor Drive, Upper Allen Township, Mechanicsburg, PA 17055
<u>Tax Parcel ID No.</u> 13-10-0256-037	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: January 2016  
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 D. Gates

Name (print)

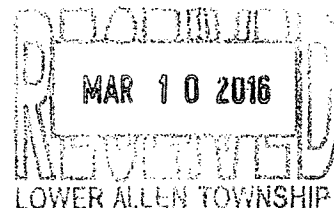
Lowell D. Gates

Signature

1/4/2016

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

<u>Property Owner Name(s)</u> Towns & Meridian Lisbon Dev & LP	<u>Property Address</u> 3009 Meridian Lane, Mechanicsburg PA 17055
<u>Tax Parcel ID No.</u> 13-10-0256-090	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> PAG-02-0021-11-013

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	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	yes	NOT NEAR CLEAN OUT accumulation
Safety	yes	

**Inspection of Subsurface Storage/Infiltration Facilities:**

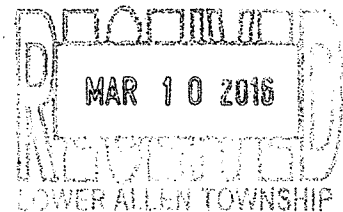
	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	yes	
Stability of soil over and adjacent to the facility	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	yes	NOT NEAR CLEAN OUT accumulation
Safety	yes	

Submitted by:

Dennis Nolt  
Name (print)

[Signature]  
Signature

3/7/16  
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

<u>Property Owner Name(s)</u> <i>Meridian West Shore Apartments</i> <b>Lisburn Devco I LP</b>	<u>Property Address</u> <b>2960 Meridian Way, Mechanicsburg PA, 17055</b>
<u>Tax Parcel ID No.</u> <b>1370-0256-091</b>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> <b>PAG-02-0021-11-013</b>

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	yes	
Integrity and condition of vegetation	yes	
Collection, storage and release of stormwater in accordance with the facility design	yes	
Sediment accumulation	yes	NOT NEAR CLEAN OUT 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	NOT NEAR CLEAN OUT accumulation
Safety	yes	

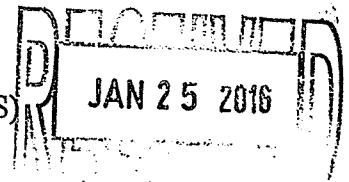
Submitted by:

Dennis Noft  
Name (print)

[Signature]  
Signature

3/7/16  
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**

<u>Property Owner Name(s)</u> Lower Allen VFW Post 7538	<u>Property Address</u> 4545 Westport Dr Mechanicsburg PA 17055
<u>Tax Parcel ID No.</u> 13-10-0256-039	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1-22-16

**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	

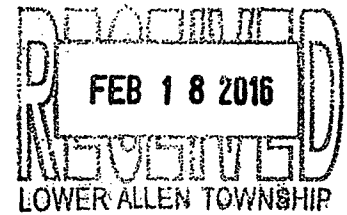
Submitted by:

Sandra Clark  
Name (print)

[Signature]  
Signature

1-22-16  
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

<u>Property Owner Name(s)</u> Michelle Meiser	<u>Property Address</u> 2420 Massachusetts Avenue Camp Hill PA 17011
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 11/31/16

**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:

Michelle Meiser  
Name (print)

Michelle Meiser  
Signature

11/31/16  
Date



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DEC 30 2015

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

<u>Property Owner Name(s)</u> Alison Miller	<u>Property Address</u> 1570 Thompson Ln. Mechanicsburg PA 17055
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 12-27-15

**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  
Name (print)

Alison Miller  
Signature

12-27-15  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011

1-6-16

Stormwater Management Facilities and Best Management Practices (BMP)

Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> David and Rachel Miller	<u>Property Address</u> 4518 Woods Way Mechanicsburg, PA 17055
<u>Tax Parcel ID No.</u> 13-10-0256-066	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/2/2016

**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	

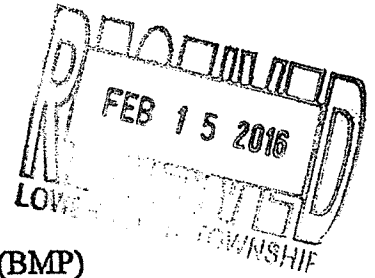
Submitted by:

Rachel L. Miller  
Name (print)

Rachel L. Miller  
Signature

1/2/2016  
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

<u>Property Owner Name(s)</u> <i>PROGRESSIVE INS.</i>	<u>Property Address</u> <i>3950 HARTZDALE DR. CAMP HILL, PA. 17011</i>
<u>Tax Parcel ID No.</u> <i>13-25-0020-052B</i>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/19/2016

**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
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	N/A
Safety	Y	N/A

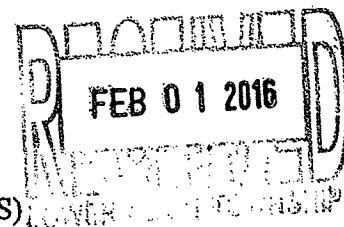
**Inspection of Subsurface Storage/Infiltration Facilities:**

	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:

SCOTT FREUCHT  
Name (print)

[Signature] 1/19/16  
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

<u>Property Owner Name(s)</u> DAVID H. PEIFFER	<u>Property Address</u> 1841 Brookview Drive New Cumberland, PA 17070
<u>Tax Parcel ID No.</u> 13-10-0260-010	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> Beacon Hill (Lower Allen Township)

Date of Inspection: January 1, 2016

**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

JANUARY 15, 2016  
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**

<b><u>Property Owner Name(s)</u></b> DEREK PRICE	<b><u>Property Address</u></b> 4526 WOODS WAY MECHANICSBURG, PA 17055
<b><u>Tax Parcel ID No.</u></b> NOT SURE	<b><u>Subdivision/Land Development/Drainage Plan No. (if known)</u></b> MANOR AT WESTPORT

Date of Inspection: 1/5/16

**Inspection of Open Basins:**

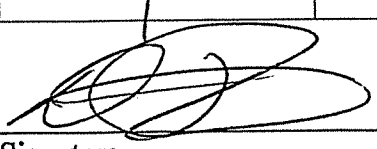
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

**Inspection of Subsurface Storage/Infiltration Facilities:**

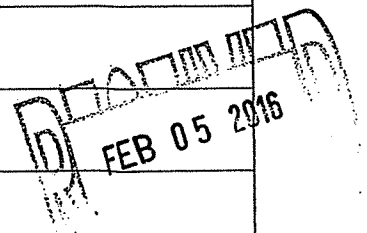
	Satisfactory (Y/N)	Repairs needed (list repairs)
Structural integrity and operation of outlet structures and related facilities	Y	
Stability of soil over and adjacent to the facility	Y	
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	

Submitted by:

DEREK PRICE  
Name (print)

  
Signature

1/5/16  
Date



**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

FEB 02 2016

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Rosalie H. Roland	<u>Property Address</u> 1706 Liberty Cove Mechanicsburg, PA 17055
<u>Tax Parcel ID No.</u> 13-11-0270-002	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> 

Date of Inspection: 1/29/16

**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: Rosalie H. Roland

Rosalie Roland  
Name (print)

Rosalie Roland  
Signature

2-1-2016  
Date

RECEIVED

DEC 30 2015

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

<u>Property Owner Name(s)</u> Brian Rhykerd Amy Rhykerd	<u>Property Address</u> 1706 Wyndham Road Camp Hill PA 17011
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 12-28-15

**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	

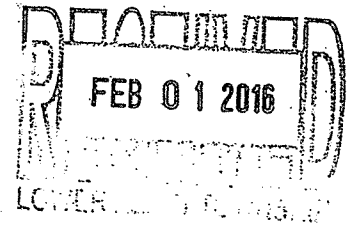
Submitted by:

Brian Rhykerd  
Name (print)

Pr. Pul  
Signature

12-28-15  
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**

<u>Property Owner Name(s)</u> Dylan Shannon	<u>Property Address</u> 2410 Massachusetts Ave Camp Hill PA 17011
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

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:

Dylan Shannon  
Name (print)

[Signature]  
Signature

1/29/16  
Date



LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011

1-12-16

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) Shaner Hotel group Courtyard by Marriott	Property Address 4921 Gettysburg Rd Mechanicsburg Pa. 17055
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: 1/7/16  
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:

Bob Christ C.E.  
Name (print)

Bob Christ  
Signature

1/7/16  
Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
6833 GETTYSBURG ROAD  
CAMP HILL PA 17011

1-19-16

Stormwater Management Facilities and Best Management Practices (BMP)

Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u>	<u>Property Address</u>
Slate Hill Mennonite Church	1352 Slate Hill Rd Camp Hill PA 17011
<u>Tax Parcel ID No.</u>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1-5-2016

**Inspection of Open Basins:**

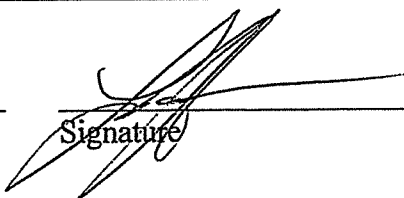
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Y	
Stability of embankments and other soil areas	Y	
Integrity and condition of vegetation	Y	
Collection, storage and release of stormwater in accordance with the facility 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:

Lyndon Hess  
Name (print)

  
Signature

1-5-16  
Date

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-4-16

**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

<u>Property Owner Name(s)</u> Harvey Sonnen	<u>Property Address</u> 4975 Ravenwood Rd Mechanicsburg PA 17055
<u>Tax Parcel ID No.</u> 13260247107	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> ?

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	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	

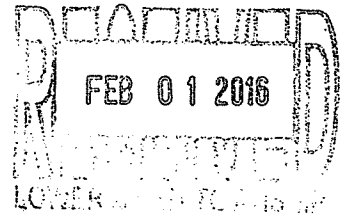
Submitted by:

Harvey Sonnen  
Name (print)

Harvey Sonnen  
Signature

12-30-2015  
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

<u>Property Owner Name(s)</u> Charles + Vicki Sourbeer	<u>Property Address</u> Lot 49 High Meadow Phase IV
<u>Tax Parcel ID No.</u> 13-11-0270-001	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> ?

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	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:

Vicki + Charles Sourbeer  
Name (print)

Vicki Sourbeer  
Signature

1-25-16  
Date

JAN 25 2016

<u>Property Owner Name(s)</u> UNITED METHODIST HOME FOR CHILDREN INC	<u>Property Address</u> 5120 SIMPSON FERRY RD, MECHANICSBURG, PA 17050
<u>Tax Parcel ID No.</u> 13-09-0545-002-EX	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

### 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	

	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. Richard N Chubb 1-22-2016  
Name (print) Signature Date

**Lower Allen Township**  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-6-16

Stormwater Management Facilities and Best Management Practices (BMP)

Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> <i>UCP Central PA</i>	<u>Property Address</u> <i>501 Upland St.</i> <i>Mechanicsburg, Pa. 17055</i>
<u>Tax Parcel ID No.</u> <i>13240795181</i>	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/4/16

**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:

*Hans L Leyer*  
Name (print)  
*UCP Central Pa*

*[Signature]*  
Signature  
*Maintenance Supervisor*

*1/4/16*  
Date

**Lower Allen Township**  
 National Pollutant Discharge Elimination System (NPDES)  
 Municipal Separate Storm Sewer System (MS4) Permit

**LOWER ALLEN TOWNSHIP**  
**2233 GETTYSBURG ROAD**  
**CAMP HILL PA 17011**

1-6-16

**Stormwater Management Facilities and Best Management Practices (BMP)**

**Operation and Maintenance Inspection Report**

<u>Property Owner Name(s)</u> Vantage Foods PA/LP	<u>Property Address</u> 2700 Yetter Court Camp Hill, PA. 17011
<u>Tax Parcel ID No.</u> 13-10-0258-012.	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: January 4<sup>th</sup> 2016.

**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:

Brett McGowan  
 Name (print)

B-m G.  
 Signature

Jan. 4/2016.  
 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

<u>Property Owner Name(s)</u> VERTICAL PROPERTIES, L.P.	<u>Property Address</u> 1304 STATE HILL ROAD CAMP HILL, PA. 17011
<u>Tax Parcel ID No.</u> 13-25-0020-050	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u> Project No. 13069

Date of Inspection: 3/17/16

**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]  
Signature

3/21/16  
Date



LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011

Lower Allen Township  
National Pollutant Discharge Elimination System (NPDES)  
Municipal Separate Storm Sewer System (MS4) Permit

1-14-16

Stormwater Management Facilities and Best Management Practices (BMP)  
Operation and Maintenance Inspection Report

<u>Property Owner Name(s)</u> Walmart	<u>Property Address</u> 3400 Hartzdale Dr Camp Hill PA 17011
<u>Tax Parcel ID No.</u> 13-23-0551-111	<u>Subdivision/Land Development/Drainage Plan No. (if known)</u>

Date of Inspection: 1/14/16

Inspection of Open Basins:

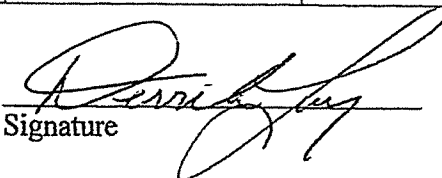
	Satisfactory (Y/N)	Repairs needed (list repairs, if any)
Structural integrity and operation of outlet structures and appurtenances	Yes	
Stability of embankments and other soil areas	Yes	
Integrity and condition of vegetation	Good - Yes	
Collection, storage and release of stormwater in accordance with 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:

Derrick Lay  
Name (print)

  
Signature

1/14/16  
Date

765-617-8064

JAN 25 2016

**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) <i>West Shore School District</i>	Property Address <i>Cedar Cliff 1301 Carlisle rd Camp Hill, PA 17011</i>
Tax Parcel ID No.	Subdivision/Land Development/Drainage Plan No. (if known)

Date of Inspection: *1-19, 1-20 of 2016*

**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	<i>Few plants need planted</i>
Collection, storage and release of stormwater in accordance with the facility design	Y	
Sediment accumulation	Y	
Safety	Y	<i>See note</i>

**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:

*Adam Bergens*

Name (print)

*[Signature]*

Signature

*1-21-16*

Date

date of inspection 1/19/14 and 1/20/16

structural integrity and operation of outlet structures and appurtenances  
-comment: structures are in excellent condition, cement drain basins are new in condition and show no sign of deterioration. All pvc piping is in excellent condition with no signs of separation, cracks, or clogs. There is some soil settling around two cement basins and raised PVC pipe cleanouts or perforated drains.

Stability of embankments.

Comment: embankments are solid, settled in, and covered with turf. There is no sign of erosion or sink holes.

Integrity and condition of vegetation.

comment: The existing trees and established vegetation is alive and overwintering. Two Viburnum shrubs and three Red Huckleberry shrubs appear to be missing. A work order has been made to replace the shrubs. Plant bulbs will need to be checked in the spring.

Collection, storage and release of storm in accordance with the facility design.

-comment: Drain basin in rain garden is higher than the ground assuring abundant water for the plants. Cat-n-mud tail plants are doing very well. Drainage to the detention area is open, clean, with no cracks or separation. Drainage of the basin in the detention area is clean and clear.

Sediment accumulation.

Safety,

-comment: a small amount of soil settlement has occurred at the rain garden cement basin and the detention area cement basin. a work order has been made to add top soil and seed to these areas. Soil has also settled around the PVC pipe cleanouts and perforated PVC pipe cleanouts/drain. A work order has been made to add top soil and seed around the pipes.

Adam, the 2 storm  
drains on Carlisle road  
belong to the township.  
the 2 on our property do not  
have filters but are clean.

H&H General Excavating  
660 Old Hanover Rd.  
Spring Grove, PA 17362

Jim Sunbury Mulch Sales  
717-688-0555  
jsunbury@h-hgenexc.com

**ATTACHMENT # 12**  
**MS – 4 VIOLATION INFORMATION**

## Summary of Violations and Follow-up Actions

There were a total of five (5) violations and or enforcement actions in the Township during this permit period. Those occurrences are described below and the documentation of these events follows.

- **CPR Property Rescue LLC** - E & S violation regarding silt fence
  - Action; NOV and cease and Desist Order Issued
- **Linlo Properties** - E & S violation regarding silt fence –
  - Action; NOV and cease and Desist Order Issued
- **5027 Revenwood Road** –
  - Action; Stop Work Order Issued.
- **West Shore School District** - Voluntary notification of Improper discharge –
  - Action; Plumbing rerouted to prevent future occurrences.
- **Complaint regarding potential illicit discharge 3525 Hartzdale Dr.** –
  - Action; Matter investigated, site observed three times, no illicit discharge observed.

Documentation for all above matters are attached on the pages which follow this section.

LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL, PA. 17011  
(717) 975-7575 FAX (717) 975-2287

NOTICE OF VIOLATION OF THE CODE OF LOWER ALLEN TOWNSHIP  
CHAPTER 184 KNOWN AS "STORMWATER MANAGEMENT"  
AND CEASE AND DESIST ORDER  
NO. 2015-05

CPR Property Rescue LLC

(Name of Record Owner)

217 Oak Lee Drive- Ste 10-408

Ranson, WV 25438

(Address of Record Owner)

Rhody Ross

(Name of Occupant or other Person  
Against whom action may be taken)

(Address of occupant or other Person  
Against whom action may be taken)

Re: 1852 Sheepford Rd, Mechanicsburg, PA

(Location of Property upon which violation exists)

13-27-1877-027

(Tax Map/Parcel)

You are hereby notified that you are violating the Lower Allen Township Code of Ordinances, known as the "Code", Chapter No. 184, as amended. The Section or Sections of the Ordinance which you have violated and an explanation of the violations are listed on the second page of this Notice. You must comply with this Notice of Violation promptly and must correct the following-listed violations upon receipt of notice. In no case shall you abandon the premises in such condition as to create a hazard or menace to the public safety, health, morals or welfare.

Please be advised that you have the right to appeal this Notice of Violation and Cease and Desist Order in writing to the Board of Appeals of Lower Allen Township within thirty (30) days if you believe that I have misinterpreted or misapplied Chapter No. 184 of the "Code".

Failure to commence action to correct the violation within the time specified above, unless an appeal of this Notice of Violation has been filed with the Township Commissioners, constitutes a violation of the "Code" of Lower Allen Township Chapter No. 184. Violation of Chapter No. 184 may result in the institution of civil enforcement proceedings before a District Justice where the District Justice may impose a fine of not more than Five (\$500.00) Hundred Dollars, plus all costs of prosecution, including the Townships' attorney's fees, incurred as a result of such action. Each day that a violation continues shall constitute a separate offense and may subject you to a daily fine. The Township may also institute other appropriate action at law or in equity which may be necessary to enforce the provisions of Chapter No. 184.

Date : April 30, 2015

\_\_\_\_\_  
Township Engineering Technician

**Section 184-11(D). - Description of violation and requirements which have not been met: Prohibited discharges and connections**

**Failure to properly install and maintain erosion and sediment controls**

**Corrective Action to be taken:**

**A silt fence must be installed and maintained in accordance with Lower Allen Township Stormwater Management Standards**

For all regulated earth disturbance activities, erosion and sediment control BMP's shall be designed, implemented, operated and maintained during the regulated earth disturbance activities(e.g., during construction) to meet the purposes and requirements of this chapter and to meet all requirements under the PA Code Title 25.

<sup>A</sup> Whenever the vegetation and topography are to be disturbed, such activity must be in conformance with Chapter 102, Title 25, Rules and Regulations, Part I, Commonwealth of Pennsylvania, Department of Environmental Protection, Subpart C, Protection of Natural Resources, Article II, Water Resources, Chapter 102, "Erosion Control," and in accordance with the Cumberland County Conservation District and the standards and specifications of the municipality.

This listing of violations may not represent all violations presently occurring on this property. Other violations may appear upon application for required permits or upon further investigation, and the Township has the right to take any and all action authorized to enforce it's "Code" as to all violations.

This list represents only violations of the "Code", Chapter No. 184 . Violations of other Sections may have occurred and the Township reserves it's rights to enforce these and any other "Code" Sections.

Permits are required for Demolition, Construction, Reconstruction, Alterations and Major Repairs to all structures of all types.

Date: April 30, 2015

Raymond J. Allen  
Township Engineering Technician



LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL, PA. 17011  
(717) 975-7575 FAX (717) 975-2287

NOTICE OF VIOLATION OF THE CODE OF LOWER ALLEN TOWNSHIP  
CHAPTER 184 KNOWN AS "STORMWATER MANAGEMENT"  
AND CEASE AND DESIST ORDER  
NO. 2015-10

**Linlo Properties**

\_\_\_\_\_  
(Name of Record Owner)

**Ste 110-10113 Mumma Road**

**Lemoyne, PA 17043**

\_\_\_\_\_  
(Address of Record Owner)

\_\_\_\_\_  
(Name of Occupant or other Person  
Against whom action may be taken)

\_\_\_\_\_  
(Address of occupant or other Person  
Against whom action may be taken)

Re: 1215 Manor Drive, Mechanicsburg, PA 17055  
(Location of Property upon which violation exists)

13-10-0256-037

\_\_\_\_\_  
(Tax Map/Parcel)

You are hereby notified that you are violating the Lower Allen Township Code of Ordinances, known as the "Code", Chapter No. 184, as amended. The Section or Sections of the Ordinance which you have violated and an explanation of the violations are listed on the second page of this Notice. You must comply with this Notice of Violation promptly and must correct the following-listed violations \_\_\_\_\_. In no case shall you abandon the premises in such condition as to create a hazard or menace to the public safety, health, morals or welfare.

Please be advised that you have the right to appeal this Notice of Violation and Cease and Desist Order in writing to the Board of Appeals of Lower Allen Township within thirty (30) days if you believe that I have misinterpreted or misapplied Chapter No. 184 of the "Code".

Failure to commence action to correct the violation within the time specified above, unless an appeal of this Notice of Violation has been filed with the Township Commissioners, constitutes a violation of the "Code" of Lower Allen Township Chapter No. 184. Violation of Chapter No. 184 may result in the institution of civil enforcement proceedings before a District Justice where the District Justice may impose a fine of not more than Five (\$500.00) Hundred Dollars, plus all costs of prosecution, including the Townships' attorney's fees, incurred as a result of such action. Each day that a violation continues shall constitute a separate offense and may subject you to a daily fine. The Township may also institute other appropriate action at law or in equity which may be necessary to enforce the provisions of Chapter No. 184.

Date : July 22, 2015

\_\_\_\_\_  
Township Engineering Technician

**Section 184-11(D). - Description of violation and requirements which have not been met:    Prohibited discharges and connections**

**Failure to properly install and maintain erosion and sediment controls**

**Storm water is running off the parking lot without E&S controls or site stabilization eroding the soil around the conduit for the light poles. The new rain garden does not drain properly and holds the storm water for many days.**

**Corrective Action to be taken:**

**A silt fence must be installed and maintained in accordance with Lower Allen Township Stormwater Management Standards**

For all regulated earth disturbance activities, erosion and sediment control BMP's shall be designed, implemented, operated and maintained during the regulated earth disturbance activities(e.g., during construction) to meet the purposes and requirements of this chapter and to meet all requirements under the PA Code Title 25.

<sup>A</sup> Whenever the vegetation and topography are to be disturbed, such activity must be in conformance with Chapter 102, Title 25, Rules and Regulations, Part I, Commonwealth of Pennsylvania, Department of Environmental Protection, Subpart C, Protection of Natural Resources, Article II, Water Resources, Chapter 102, "Erosion Control," and in accordance with the Cumberland County Conservation District and the standards and specifications of the municipality.

This listing of violations may not represent all violations presently occurring on this property. Other violations may appear upon application for required permits or upon further investigation, and the Township has the right to take any and all action authorized to enforce it's "Code" as to all violations.

This list represents only violations of the "Code", Chapter No. 184 . Violations of other Sections may have occurred and the Township reserves it's rights to enforce these and any other "Code" Sections.

Permits are required for Demolition, Construction, Reconstruction, Alterations and Major Repairs to all structures of all types.

Date: July 22, 2015

Raymond J. Allen  
Township Engineering Technician

# STOP WORK ORDER

DEPARTMENT OF COMMUNITY DEVELOPMENT

2233 GETTYSBURG ROAD

CAMP HILL, PA 17011

717-975-7575

**5027 RAVENWOOD ROAD, MECHANICSBURG, PA 17055**

Site Address

The address listed above is in violation of Chapter 220, Zoning and Chapter 184, Stormwater Management. All work shall be stopped and shall not continue until approval is granted from the Code Official.

For information contact Lower Allen Township at 717-975-7575.

## WARNING

This notice is to be removed only by the authority of the Code Official.

Date Posted: SEPTEMBER 18, 2015

Township Engineer \_\_\_\_\_

PENALTY IF REMOVED WITHOUT AUTHORIZATION—Signs, tags or seals posted or affixed by the code official shall not be mutilated, destroyed or tampered with or removed without authorization from the code official.

# WEST SHORE SCHOOL DISTRICT



LOWER ALLEN TOWNSHIP  
2233 GETTYSBURG ROAD  
CAMP HILL PA 17011  
1-7-16

Todd B. Stoltz, Ed.D.  
Superintendent of Schools

Daniel J. Flint, P.E., NSPE  
Community Development Director/Township Engineer  
Lower Allen Township  
2233 Gettysburg Road  
Camp Hill, PA 17011

Re: Cedar Cliff High School  
Discharge to Lower Allen Township MS4

Dear Mr. Flint:

On November 16, 2015, employees at Cedar Cliff High School started to drain the boiler located in the high school building. This typically is a short duration activity that results in the release of a small amount of uncontaminated water that is channeled into Lower Allen Township's MS4. On November 18, 2015, an employee noticed that water was still draining from the boiler and was flowing out of the boiler room to a stairwell. The boiler continued to drain until November 20, 2015, when staff realized that the pump to fill the boiler had been left on. It appears that water from this incident eventually flowed into the Township's MS4.

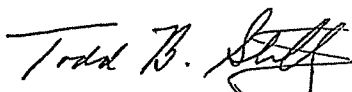
Senior administrative staff for the District became aware of this incident on approximately December 14, 2015 when a staff member noticed an exceptionally high water bill for November. Based upon our review of past water bills, we estimate that approximately 1-1.3 million gallons of water were released. Out of an abundance of caution, we feel that it is prudent to notify the Township of this incident.

We would also like to take this opportunity to respond to your March 11, 2013 letter to the District. I apologize for our delay in responding to that letter. In that letter, you stated that the Township's investigation indicated a discharge from the boiler room was ultimately being released into the Township's MS4. You requested that the District make appropriate modifications to the building's internal plumbing so that the interior building drains are no longer connected to the Township's MS4.

As result of both your letter and the incident described above, the District intends to make the suggested changes. We will provide you an update following consultation with our engineer and completion of your recommended action.

Please feel free to contact me should you have any questions.

Sincerely,

  
Todd B. Stoltz, Ed.D.

Superintendent of Schools

## William Gralski

---

**From:** Daniel Flint  
**Sent:** Thursday, March 31, 2016 8:07 AM  
**To:** William Gralski  
**Subject:** Fwd: Discharge to Cedar Run  
**Attachments:** IMG\_0926.JPG

Sent from my iPhone

Begin forwarded message:

**From:** "Bowen, Patrick" <patbowen@pa.gov>  
**Date:** March 31, 2016 at 8:04:01 AM EDT  
**To:** Daniel Flint <DFlint@latwp.org>  
**Subject:** FW: Discharge to Cedar Run

Good morning Mr. Flint,

DEP received a complaint regarding foam observed at a stormwater discharge in Lower Allen Township. The Department is asking that the Township investigate the complaint and report its findings to the Department. Details are below. A photo from the complainant is attached.

Thanks,

Patrick Bowen | Water Quality Specialist Department of Environmental Protection Southcentral Regional Office  
909 Elmerton Avenue | Harrisburg, PA 17110  
Phone: 717.705.4157 | Fax: 717.705.4760  
24-Hour Emergency Response: 866-825-0208

-----Original Message-----

**From:** Wriglesworth, Sarah  
**Sent:** Wednesday, March 30, 2016 11:43 AM  
**To:** Bowen, Patrick  
**Cc:** Minskey, Jeffrey  
**Subject:** FW: Discharge to Cedar Run

Pat,

Could you please refer this to Lower Allen Twp. as an MS4 complaint and request that they get back to us with what they find? Foam looks minimal in the picture, but I can understand the suspicion as it is directly behind a huge carwash.

From CTS:

04.5.2016

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## Memo

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**To**  
File

**Purpose:**

**From**  
William P. Gralski, P.E.  
(WG)

On March 31, 2016, the staff members listed below evaluated a report from the Department of Environmental Protection regarding a pollution incident behind the Capital City Car Wash at 3525 Hartzdale Drive, Camp Hill, PA in the Township. The receiving stream in this area is Cedar Run. The purpose of this memo is to document the complaint and actions taken.

**CC**  
Daniel Flint, P.E.  
L. Hockenberry (LH)  
R. Allen (RA)

**Present:**  
William P. Gralski  
Raymond Allen

**Re**  
DEP Violation Notification  
03-31-16  
Discharge to Cedar Run

**Comments:**

A complaint was received from the Department of Environmental Protection (DEP) via e-mail at 8:30 AM on March 31, 2016 indicating that there was a stormwater discharge causing pollution at the above referenced location. Lower Allen Township (LAT) staff pulled their plans from the area in order to discern which stormwater lines were in the area. We then left for a field investigation at approximately 9:45 AM.

We began our investigation at the Capital City Car Wash by finding the acting manager and requesting permission to be on the property. We spoke with Mr. James Clapp, explained our purpose for being on site and were granted access to the grounds. Shortly thereafter we found MS-4 outfall # CRR 5.0 and determined that this was the pipe in the Department of Environmental Protection photo. At the time of the investigation there was only a little water

## Lower Allen Township

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Tel (717) 975-7575

2233 Gettysburg Rd.  
Camp Hill, Pa. 17011

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**ATTACHMENT # 13**  
**INVENTORY OF INSTALLED BMP'S**  
**AT TOWNSHIP FACILITIES**

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

	Name	Location	Description	Acr es	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
20	Spring Lake Colony Lots	Between Orchard Road and Shetter Lane	Vacant wooded lots	1.6	None	None	None	None	None
21	Former Township Building	1993 Hummel Avenue	Former Township office	1.0	Office building; parking lot; stormwater pond and pump	Rented space	Building and site maintenance	Trash; vehicle drippings	SWM basin
22	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
23	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

**ATTACHMENT # 14**  
**SUMMARY OF PUBLIC WORKS**  
**ACTIVITIES RELATED TO MUNICIPAL**  
**O&M PROGRAM**

**Lower Allen Township  
Storm Water Management Plan  
Pollution Prevention/Good Housekeeping  
Operations and Maintenance Program**

March 10, 2015 thru March 10, 2016

**Storm water Inlets cleaned:**

Lower Allen Township:	<u>NONE</u>
PennDOT:	<u>95</u>
Total:	<u>95</u>
Loads:	<u>4</u>
Pounds Per Loads:	<u>4100</u>
Total Pounds:	<u>16,400</u>
Total Tonnage:	<u>8.2</u>
Number of Days to complete project:	<u>2.5</u>

**Street Sweeping:**

Loads:	<u>43</u>
Pounds Per Load:	<u>8340</u>
Total Pounds:	<u>358,620</u>
Total Tonnage:	<u>179.31</u>

Curb miles of street cleaned annually by street sweeping operations 195

Loads of sweepings collected annually by street sweeping operations 43

Loads of leaves removed from streets annually by leaf recycling operations 304

LOCATION:  
**LOWER ALLEN TOWNSHIP**  
**1400 S.ST. JOHNS RD**  
**CAMP HILL PA. 17011**  
STORM WATER MANAGEMENT PLAN  
POLLUTION PREVENTION/GOOD HOUSEKEEPING  
OPERATIONS AND MAINTENANCE PROGRAM

**Salt separator and storm water inlets cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Internal drainage system cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Oil Interceptor cleaned:**

**Date cleaned:** 3/9/15  
**Method used:** Shop Vac  
**Personnel:** Clayton, Ryan

**Swept Porous Blacktop Parking Lot at 2233 Gettysburg Rd:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Swept Porous Blacktop Path at Allendale Creekwood Park:**

**Dated cleaned:**  
**Method used:**  
**Personnel:**

LOCATION:  
**LOWER ALLEN TOWNSHIP**  
**1400 S.ST. JOHNS RD**  
**CAMP HILL PA. 17011**  
STORM WATER MANAGEMENT PLAN  
POLLUTION PREVENTION/GOOD HOUSEKEEPING  
OPERATIONS AND MAINTENANCE PROGRAM

**Salt separator and storm water inlets cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Internal drainage system cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Oil Interceptor cleaned:**

**Date cleaned:** 6/8/15  
**Method used:** Shop Vac  
**Personnel:** Clayton, Ryan

**Swept Porous Blacktop Parking Lot at 2233 Gettysburg Rd:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Swept Porous Blacktop Path at Allendale Creekwood Park:**

**Dated cleaned:**  
**Method used:**  
**Personnel:**

**LOCATION:**  
**LOWER ALLEN TOWNSHIP**  
**1400 S.ST. JOHNS RD**  
**CAMP HILL PA. 17011**  
**STORM WATER MANAGEMENT PLAN**  
**POLLUTION PREVENTION/GOOD HOUSEKEEPING**  
**OPERATIONS AND MAINTENANCE PROGRAM**

**Salt separator and storm water inlets cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Internal drainage system cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Oil Interceptor cleaned:**

**Date cleaned:** 9/14/15  
**Method used:** Shop Vac  
**Personnel:** Marshall, Scott

**Swept Porous Blacktop Parking Lot at 2233 Gettysburg Rd:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Swept Porous Blacktop Path at Allendale Creekwood Park:**

**Dated cleaned:**  
**Method used:**  
**Personnel:**

**LOCATION:**  
**LOWER ALLEN TOWNSHIP**  
**1400 S.ST. JOHNS RD**  
**CAMP HILL PA. 17011**  
**STORM WATER MANAGEMENT PLAN**  
**POLLUTION PREVENTION/GOOD HOUSEKEEPING**  
**OPERATIONS AND MAINTENANCE PROGRAM**

**Salt separator and storm water inlets cleaned:**

**Date cleaned:** 3/2/16  
**Method used:** Street Sweeper  
**Personnel:** Marshall, Scott

**Internal drainage system cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Oil Interceptor cleaned:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Swept Porous Blacktop Parking Lot at 2233 Gettysburg Rd:**

**Date cleaned:**  
**Method used:**  
**Personnel:**

**Swept Porous Blacktop Path at Allendale Creekwood Park:**

**Dated cleaned:**  
**Method used:**  
**Personnel:**

# **LOWER ALLEN TOWNSHIP**

1400 ST. JOHNS ROAD \* CAMP HILL, PENNSYLVANIA 17011-8033

## **2015 YEAR END REPORT PUBLIC WORKS DEPARTMENT**

The Public Works Department has come full circle, completing another year of service to the Lower Allen Township residents. We pride ourselves in the work we do and strive to serve the Township residents in the most cost efficient and convenient ways possible under all circumstances. We wish everyone a very happy, healthy and prosperous New Year!

Crews spent the beginning of December wrapping up leaf collection which was completed the week of the 7<sup>th</sup>. Many residents were able to track the daily progress of leaf collection on the Township's website, which was updated daily. Residents who do not participate in computer technology, were able to call in as needed to find out information on when crews would be in their neighborhoods. The 8 week leaf collection was for the most part, a smooth process. The street sweeper was sent out after the collection to clean up the road debris. Street sweeping will resume in the spring as needed.

Christmas tree pickup is scheduled for January 4<sup>th</sup> – January 15<sup>th</sup>, 2016. Residents are welcome to drop off their brush or any Christmas tree's set out after January 16<sup>th</sup>, at Public Works, Monday through Friday between the hours of 7:00am – 2:30pm. The curbside brush pickup, by Penn Waste Services, will resume in April 2016.

As we wrapped up the year, we saw that the 4 load limit, for each Lower Allen household, seemed to work well for limiting the amount of brush brought to Public Works. The county machine charge for using the horizontal grinder continues to rise each year. With the limit on the amount of brush which residents can bring, we have not had to spend as much money for use of the grinder, as in the past. The recycling of brush into wood chips is a service which residents look forward to utilizing. Curb side pickup of brush by Penn Waste is not brought to the facility, which helps in the rising costs of using the machine. 645 residents brought 1146 loads of brush for 2015. That load count was tripled in the 2014 season.

There were no signs of snow or ice during December. While this was wonderful for residents who were still cleaning up their yards, it was an extremely rainy month. The wet weather hindered the completion of scheduled jobs that were expected to be completed by year end. Crews used the time to clean up storage areas and organize tools and supplies



## SUMMER 2015 PROJECTS

### Public Works Projects Planned

The list of projects planned by the Public Works Department for the 2015 construction season includes the following:

#### Parks

##### **Wass Park, 301 Wesley Drive**

– replacement of the backstop and sideline fencing on new alignment for Field No. 2

##### **Highland Park Playground, 1301 Chatham Road**

replacement of the perimeter fence along the rear property line

replacement of the roof on the picnic pavilion

#### Stormwater Drainage

New York Avenue/Lebanon Avenue

Rosemont Avenue/Laurel Avenue

Slate Hill Road, from Lisburn Road to Valley Road

Schuylkill Avenue

St. Johns Road in the area of Cherokee Drive

#### Street Pavement Project

**Slate Hill Road** – Lisburn Road to the Creek Bridge

**St. Johns Road** – Lisburn Road to Slate Hill Road

**Rana Villa South:** St. Johns Road, Cedar Avenue, Laurel Avenue, Rana Villa Avenue, Fernwood Avenue, Primrose Avenue

**Rana Villa North:** Rana Villa Avenue, Primrose Avenue, Rosemont Avenue

**Spring Lake Colony:** Massachusetts Avenue, Santa Maria Avenue, Schuylkill Avenue, Nina Alley, Lebanon Avenue, New York Avenue

The 2015 Street Pavement Project differs from street resurfacing projects that are normally done. A process called Full Depth Reclamation (FDR) will be used to pulverize the existing pavement and underlying base material, at a depth of 9 to 15 inches. Portland Cement will be added to this material, and the composite material will be regraded and compacted to a new cross section and profile. Finally, a bituminous surface course will be added to form the driving surface.

This process is more disruptive and more time consuming than a resurfacing project. Additional information will be provided to affected residents on the streets involved as the time of construction nears. Updates will also be provided through the Township's Facebook page and website.

Work is scheduled to begin August 1 and be completed by September 30.

Questions about these projects may be directed to Daniel Flint, Township Engineer, at [dflint@latwp.org](mailto:dflint@latwp.org) or 975-7575 ext. 1101.

## FIELD REVENUE 2015

Hampden Fall League (LACP)	\$1,140.00
Go Wags Baseball camp (Wass)	\$1,470.00
Amateur Softball Assoc. (LACP)	\$480.00
PA Pony girls Fast Pitch (LACP)	\$2,175.00
Trinity Girls Softball (LACP, Wass, Pete's)	\$2,000.00
Tri county Softball (LACP)	\$2,500.00
Central PA Mid-State Baseball (Wass)	\$270.00
DWP State Employees (LACP)	\$1,560.00
Cedar Cliff Youth Baseball (Pete's)	\$380.00
Mechanicsburg Cubs (Wass)	\$360.00
Red Land Lacrosse (LACP)	\$600.00
Dillsburg Soccer Tournament (LACP)	\$1,560.00

Field lining	\$0.00

Private party field rental	\$30.00
Vendor fee's paid	\$550.00
Concession Stand rental LACP	\$310.00
<b>Total field revenue 2015</b>	<b>\$14,289.32</b>
<b>Totals: Field/Concession/Vendor revenue 2015</b>	<b>\$15,149.32</b>

Township Park, field requests were sent out to local organizations, and scheduling will be completed early in the year. Many organizations call for use of the Lower Allen fields, and we try to accommodate everyone, but field use is limited. When the residential leaf pickup was completed, crews focused on cleaning up the parks. Leaves were collected and flower beds were wood chipped for the winter. The Barn grounds were groomed in preparation for the New Year's Eve celebration.

**ATTACHMENT # 15**  
**INFORMATION ON ANNUAL TRAINING**  
**PROGRAM**

**LOWER ALLEN TOWNSHIP**  
**PUBLIC WORKS, FLEET MANAGEMENT and**  
**COMMUNITY DEVELOPMENT DEPARTMENTS**

**TRAINING PROGRAMS**

**NPDES Phase 2 MS4 Permit Good Housekeeping/Pollution Prevention Training**  
**Preparedness, Prevention and Contingency (PPC) Plan Training**  
**March 15, 2016      1:00 PM**

**NPDES Phase 2 MS4 Permit Good Housekeeping/Pollution Prevention Training**

1. Background information on MS4 Program
  1. Six Minimum Control Measures
    1. Public Education and Outreach
    2. Public Participation/Involvement
    3. Illicit Discharge Detection and Elimination
    4. Construction Site Runoff Control
    5. Post-Construction Runoff Control
    6. **Pollution Prevention/Good Housekeeping**
2. Status of MS4 Permits
3. Center for Watershed Protection, Manual 9, Municipal Pollution Prevention/Good Housekeeping Practices
  1. Training Focus from previous years:
    1. 2011 MO-1: Hotspot Facility Management
    2. 2012 MO-3: Street Repair and Maintenance
    3. 2013 MO-4: Street Sweeping
    4. 2014 MO-5: Storm Drain Maintenance
    5. 2015 MO-7: Park and Landscape Maintenance
    6. 2016 Training Focus: Municipal Operation Profile Sheet MO-8: Residential Stewardship
  7. Identify existing municipal operations
  8. Collect information about each operation
  9. Complete the Municipal Operations Analysis (MOA)
  10. Focus Pollution Prevention/Good Housekeeping (PP/GH) Efforts
  11. Investigate Municipal Operations and Select PP/GH Practices
  12. Implement PP/GH Practices
  13. Evaluate Progress in Implementation

2. **Countermeasures**

1. Countermeasures to be Undertaken

1. In the event of an incident, employees will utilize the County 911 system to summon appropriate assistance.
2. 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.
3. 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.

2. Communications and Alarm Systems

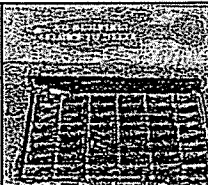
1. Employees maintain contact through the use of mobile and portable two-way radios. Notification of an emergency can be made to all employees using these radios.

3. Evacuation Plan

1. Emergency exit plans are posted throughout the maintenance building in accordance with the International Fire Code.

4. Emergency Equipment Available for Response

1. Portable fire extinguishers are located throughout the maintenance building, in accordance with the International Fire Code.
2. Additional response equipment is available from the Public Safety Department, upon notification that such services are required.

MO-8	Municipal Operation	
	RESIDENTIAL STEWARDSHIP	

### Description

Residents engage in many behaviors and activities that can influence water quality. Behaviors such as over-fertilizing, oil dumping, littering and excessive pesticide use can negatively impact water quality, while behaviors such as tree planting, disconnecting rooftops and picking up pet waste can help improve water quality. Communities have the ability to influence these residential behaviors by providing programs that improve the public's awareness about them. By developing residential stewardship programs that discourage negative behaviors and encourage positive ones, a community can reduce the amount of pollution that is conveyed into streams and other receiving waters through its storm drain system. These stewardship programs are often supplemented with education and outreach events, financial incentives and in-kind services.

Common residential behaviors have the potential to generate a wide variety of stormwater pollutants, including nutrients, hydrocarbons, pesticides, bacteria and trash (Table 1). An effective residential stewardship program targets the residential behaviors that are related to local water quality concerns and subwatershed restoration goals and objectives.

Table 1: Comparison of Pollutant Contribution from Various Residential Behaviors							
Residential Polluting Behavior	Stormwater Pollutants						
	TSS	Nutrients	Metals	Bacteria	Trash	Oil	Toxins
Improper Fertilization	X	⊙	X	X	X	X	○
Excess Pesticide Use	X	X	X	X	X	X	⊙
Over-Watering	○	⊙	○	X	○	X	⊙
Extensive Turf Cover	○	⊙	X	X	X	X	⊙
Tree Clearing	⊙	⊙	X	X	X	X	X
Yard Waste Dumping	⊙	⊙	X	○	○	X	X
Soil Compaction	⊙	⊙	○	○	X	X	X
Soil Erosion	⊙	⊙	○	○	X	X	X
Failing Septic Systems	○	⊙	X	⊙	X	X	○
Pool Discharges	X	X	X	X	X	X	⊙
Car Washwater Flows	⊙	⊙	⊙	X	X	⊙	○
Hosing/Leaf-blowing	⊙	⊙	○	X	⊙	⊙	○
Use of De-icers	⊙	○	○	X	X	X	⊙
HHW Dumping	X	○	⊙	X	X	⊙	⊙
Car Fluid Spills/Dumping	X	X	○	X	X	⊙	⊙
Connected Downspouts	⊙	⊙	⊙	⊙	X	○	○
Added IC and Bare Soil	⊙	○	⊙	X	⊙	○	○
Pet Waste Washoff	X	⊙	X	⊙	X	X	X
Poor STP Maintenance	⊙	⊙	⊙	⊙	⊙	○	○
Buffer Encroachment	○	○	○	○	○	X	X
Storm Drain Dumping	⊙	○	⊙	⊙	⊙	⊙	⊙

This information should be added to the simple database or binder that contains the information about all of the municipal operations conducted in your community.

As you collect some basic information about the residential stewardship programs in place in your community, you should begin communicating with the individuals who oversee or manage those programs. This is an ideal time to inform these individuals about the community's pollution prevention/good housekeeping efforts and the purpose of the community's municipal pollution prevention/good housekeeping program. It is also a good time to educate them about the influence that residential stewardship can have on water quality and how pollution prevention/good housekeeping practices can be used to reduce the amount of stormwater pollution that residential behaviors create.

### *Step 3: Complete the Municipal Operations Analysis (MOA)*

The next step in the process is to use the basic information that you have collected about the residential stewardship programs in place in your community to complete Section 8 of the MOA. This section of the MOA asks a series of questions about the nature, scope and distribution of the residential stewardship programs in place in your community. In some cases, you will be able to answer all of the questions using only the information that you have already collected about these programs. In most cases, however, answering the questions will require additional input from the individuals who manage or oversee each of the programs.

Once you have answered all of the questions presented within Section 8 of the MOA, you should calculate your score to determine how well your community is currently managing its park and landscape maintenance activities. When you have completed the entire MOA, you should also compare the score that you received in Section 8 with the scores you received in each of the other sections of the analysis. This will help you focus your pollution prevention/good housekeeping efforts on the municipal operations that have the greatest influence on water quality in your community.

### *Step 4: Focus Pollution Prevention/Good Housekeeping Efforts*

The next step in the process is to use the results of the MOA, as well as information about local subwatershed restoration goals and objectives, to develop a list of the municipal operations in the order in which they will be further investigated and improved. This list, known as the prioritized municipal operations list, can be used to guide your local pollution prevention/good housekeeping efforts and ensure that you are using your resources on improving the operations that have the greatest influence on water quality in your community. The operations at the top of the prioritized municipal operations list should be those that you will address first, while those at the bottom should be those that you will address over time.

If residential stewardship comes out on top of your prioritized municipal operations list, the next step in the process is to further investigate these programs to determine the improvements that can be used to reduce the amount of stormwater pollution that residential behaviors create. If it does not, you should begin investigating the operation that is located at the top of your list. The

participation rates in municipal service programs are strongly linked to how convenient residents perceive them to be.

### Step 5.3: Prescribe Pollution Prevention/Good Housekeeping Practices

Once existing operations have been assessed, the next step in the process is to select and implement the services that can help improve water quality through residential stewardship. In order to realize the greatest water quality benefit, most communities will need to track residential stewardship activities and either add new services or increase the frequency of services currently provided. Table 3 outlines several of the pollution prevention/good housekeeping techniques that can be provided to improve residential stewardship (Figure 2).



Source: City of Portland, OR

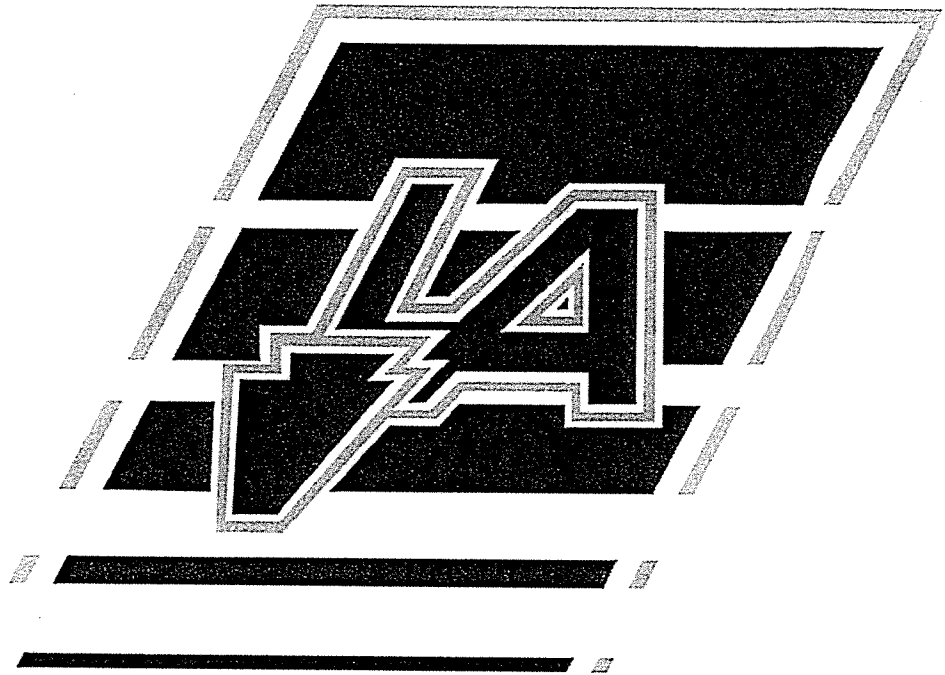
**Figure 2. Volunteers help disconnect rooftops in Portland, OR**

<b>Table 3: Good Housekeeping Techniques for Residential Stewardship</b>	
<b>Service</b>	<b>Good Housekeeping Techniques</b>
Storm drain stenciling	<ul style="list-style-type: none"> <li>• Prioritize drains for marking in subwatersheds with impaired waters or sensitive aquatic resources</li> <li>• Provide stenciling supplies to volunteer groups</li> <li>• Target neighborhoods and areas where storm drain dumping is known/prevalent</li> </ul>
Household hazardous waste collection	<ul style="list-style-type: none"> <li>• If possible, provide curbside pickup of household hazardous waste</li> <li>• If resources are limited, provide widely advertised collection events several times a year</li> <li>• Provide public outreach documents potential effects of hazardous household materials on water quality and inform them how to properly store, handle, and dispose of the chemicals</li> </ul>
Car fluid recycling	<ul style="list-style-type: none"> <li>• Collect used oil/antifreeze through conveniently located collection centers or curbside pickup</li> <li>• Educate the public on how to manage car fluids properly and how to take advantage of your program's services.</li> </ul>
Lawn care advice	<ul style="list-style-type: none"> <li>• Provide a natural lawn care advice customer service line</li> <li>• Provide yard waste collections</li> <li>• Offer free soil tests to determine exact fertilizer and lime needs</li> </ul>
Residential rooftop disconnection	<ul style="list-style-type: none"> <li>• Provide downspout disconnection services</li> <li>• Offer a credit for rain barrel or rain garden installation</li> <li>• Distribute rain barrels at community and watershed-related events</li> </ul>
Tree planting incentives	<ul style="list-style-type: none"> <li>• Provide education about the multiple benefits of planting trees</li> <li>• Encourage private property tree plantings through incentives such as coupons for the purchase of qualifying trees at local nursery</li> <li>• Provide and plant free trees</li> <li>• Establish guidance on species selection and maintenance</li> </ul>
Training	<ul style="list-style-type: none"> <li>• Provide training to employees to conduct residential services such as rooftop disconnection, tree planting, etc.</li> </ul>



presented in Table 4. They can be thought of as activities that need to be completed in order to reduce the amount of stormwater pollution that residential behaviors create within your community.

Table 4: Measurable Goals and Implementation Milestones for Improving Residential Stewardship Programs <sup>1</sup>		
Example Measurable Goals	Timeframe	Priority
Goals related to program startup		
Identify and collect basic information about current residential stewardship practices and programs	Complete shortly after program startup; update regularly after that	●
Add the information about existing stewardship practices and programs to the simple database or binder that contains basic information about each municipal operation		●
Complete Section 8 of the Municipal Operations Analysis (MOA)	Year 1; repeat every 5 years	●
Prioritize local pollution prevention/good housekeeping efforts based on the results of the MOA and other factors, such as local pollutants of concern		●
Goals related to preventing or reducing stormwater pollution		
Collect additional information about the residential stewardship programs that are conducted within your community	Year 1	●
Prescribe pollution prevention/good housekeeping practices to address deficiencies and additional stewardship programs to improve residential behaviors within your community		●
Develop implementation plan for prescribed pollution prevention/good housekeeping practices and residential stewardship programs		●
Secure funding and resources to implement prescribed pollution prevention/good housekeeping practices and residential stewardship programs	Begin in Year 1	●
Implement prescribed pollution prevention/good housekeeping practices and residential stewardship programs	Begin in Year 2	●
Goals related to program evaluation		
Develop measurable performance goals and implementation milestones	Complete shortly after program startup; update regularly after that	●
Evaluate progress in meeting measurable goals and implementation milestones		●
Evaluate progress in implementing prescribed pollution prevention/good housekeeping practices	End of Year 1 and each year after that	●
Notes		
1) Assumes that park and landscape maintenance tops the prioritized municipal operations list.		
Key		
● = Essential		
◎ = Optional but Recommended		



**To**  
Daniel Flint, P.E. (DF)

**From**  
William P. Gralski, P.E.  
(WG)

**CC**

**Re**  
Meeting Minutes  
MS-4 Annual Public  
Works Training Session  
(MCM #6)

**03.23.2016**

## **Memo**

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On March 16, 2016, the Lower Allen Township Public Works staff as well as staff from and several other municipalities gathered for the annual MS-4 training program in accordance with the requirements of MCM # 6 under their current MS-4 permit. The presenter was Daniel Flint (DF) the Lower Allen Township Director of Community Development. A list of attendees is attached to these minutes (See Attachment #1). The intent of this memo is to serve as minutes of this training session.

**Present:**        **See attached list**

**Attachments:** #1 Attendance List, # 2 Agenda, #3 MO-8 Handout

**Lower Allen Township**

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Tel (717) 975-7575

2233 Gettysburg Rd.  
Camp Hill, Pa. 17011

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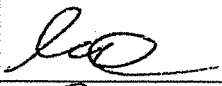
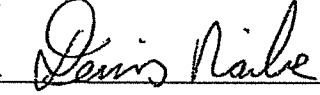
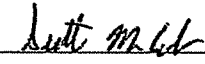



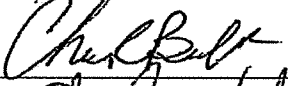



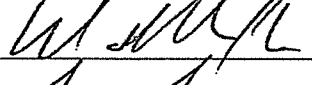
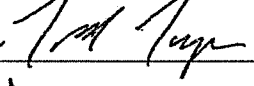
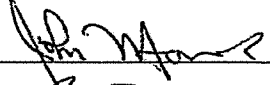
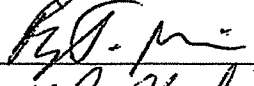
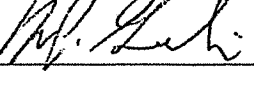
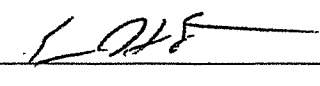
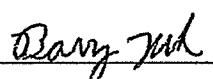
- The last topic discussed was a brief discussion about MCM # 6 and Spill Prevention and Pollution Control (SPPC) plans.
  - The floor was opened to questions at 1:52 PM and the program concluded at approximately 2:00 PM
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LOWER ALLEN TOWNSHIP

ATTENDANCE

NPDES MS4 Permit - Annual Training

March 15, 2016 1:00 PM

NAME (PRINT)	SIGNATURE	MUNICIPALITY/DEPARTMENT
Greg Hertzler		monroe twp
Dennis Nailor		monroe Twp
Scott mccaube		Hampden Twp
Bill Yeagley		LATWP
Bob Hamscher		LATWP
DONN GUTZMILLER		HAMPDEN TWP
Chuck Bubb		Hampden Twp.
Glenn Mahaffey		Hampden Twp.
Swart Allen		" "
Scot Emerson		LATWP
Matt Link		Sci Camp Hill
Todd Turpin		SCIC
JOHN MORRIS		BORO OF CARLISLE
Ryan Miller		Boro of Carlisle
Bill GRALSKI		Lower Allen Twp.
Ernie Hartman		Hampden Township
Barry Zook		Lower Allen Twp.

[illegible]