pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT

MS4 ANNUAL REPORT FORM

FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)

Reporting Period

(Check appropriate block. Fill in the year for the reporting period you are submitting the report if not listed.)

☐ **March 10, 2008 through March 9, 2009 (due June 9, 2009)**

☐ **March 10, 2009 through March 9, 2010 (due June 9, 2010)**

☒ **March 10, 2012 through March 9, 2013 (due June 9, 2013)**

SECTION I – SMALL MS4 OPERATOR INFORMATION

1. **Name of MS4 Permittee and NPDES Permit Number**

   Name: City of York PAG: 133596 PAI:

   Co-permittee :

2. **Location**

   Municipality: City of York County: York

   Watershed Name(s): Codorus Creek

3. **Contact Person from the MS4**

   Name: James E. Gross Title: Director of Public Works Phone: 717.849.2245

   Fax: 717.849.7457 Email: jgross@yorkcity.org

4. **Permittee Mailing Address**

   Address: 101 S George St, PO Box 509

   City: York State: PA Zip Code: 17401

5. **MS4 Website (If applicable)**

   URL: www.yorkcity.org

6. **Permittee's Consultant/Engineer Information (If applicable)**

   Company Name: C.S. Davidson, Inc.

   Consultant/Engineer Name: Jeffrey S. Shue Title: P.E.

   Phone: 717.846.4805 Fax: 717.846.5811 Email: jss@csdavidson.com

   Address: 38 N. Duke Street

   City: York State: PA Zip Code: 17401

SECTION II – MCM INFORMATION

7A. Have you completed all required activities for?

Year 1: Yes ☒ No ☐
Year 2: Yes ☒ No ☐
Year 3: Yes ☒ No ☐
Year 4: Yes ☒ No ☐
Year 5: Yes ☒ No ☐

7B. Complete the following section for each watershed-based or Act 167 Storm Water Management Plan.

Watershed Plan Name York County Act 167 Plan
Is this an Act 167 Plan? Yes ☒ No ☐
If yes, has DEP approved the plan? Yes ☒ No ☐
If yes, give date: April 2011
Is the ordinance required by the plan enacted: Yes ☒ No ☐
If yes, give effective date: October 26, 2011
If the ordinance is not enacted, please provide the anticipated enactment date _____
and explain the status: _____

Watershed Plan Name _____
Is this an Act 167 Plan? Yes ☐ No ☐
If yes, has DEP approved the plan? Yes ☐ No ☐
If yes, give date: _____
Is the ordinance required by the plan enacted: Yes ☐ No ☐
If yes, give effective date: _____
If the ordinance is not enacted, please provide the anticipated enactment date _____
and explain the status: _____

Watershed Plan Name _____
Is this an Act 167 Plan? Yes ☐ No ☐
If yes, has DEP approved the plan? Yes ☐ No ☐
If yes, give date: _____
Is the ordinance required by the plan enacted: Yes ☐ No ☐
If yes, give effective date: _____
If the ordinance is not enacted, please provide the anticipated enactment date _____
and explain the status: _____

7C. Please provide current contact name and phone number information:

MCM #1
Public Education and Outreach on Storm Water Impacts

Name: James E. Gross, Director of Public Works Phone: 717.849.2302

MCM #2
Public Involvement/Participation

Name: James E. Gross, Director of Public Works Phone: 717.849.2302

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

Name: James E. Gross, Director of Public Works Phone: 717.849.2302

MCM #4
Construction Site Storm Water Runoff Control

Name: York County Conservation District (YCCD)/James E. Gross Phone: 717.840.7430/717.849.2302

MCM #5
Post-Construction Storm Water Management in New Development and Redevelopment

Name: York County Conservation District (YCCD)/James E. Gross Phone: 717.840.7430/717.849.2302

MCM #6
Pollution Prevention/Good Housekeeping for Municipal Operations

Name: James E. Gross, Director of Public Works Phone: 717.849.2302

MCM#1 - PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS — MINIMUM CONTROL MEASURE

8A. **MS4s USING DEP *PROTOCOL* for this MCM**

BMP: Update Target Audience Information (Have you reviewed your public education plan for accuracy and content and made any relevant changes regarding your target audiences and their communication channels? If so, include/attach your revised plan.)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City of York revised the Public Education Plan to include measurable goals that were selected to provide a method for evaluating the effectiveness of the PEP. The revised plan consists of the same three primary components: Partnerships; Educational Material/Media; and Educational Events. A description of the objectives, activities, and measurable goals is found in the written PEP, revised in 2013 (see Attachment for 8A.)

The target audiences within each of the primary components differ in demographic and the method of information dissemination. To effectively reach the target audience, the City will focus on printed media, the internet, community access television, and participation in partner events.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

8B. **BMP: Continue public education and outreach.** (What was accomplished during the past permit year regarding: Developer education/outreach? Storm water ad in local newspaper? Provide posters or other information to schools and businesses? Storm drain stenciling/marking? Maintain website links and provide website educational info? Educational information in your newsletter? Any other public education/outreach?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The activities completed to achieve this MCM are summarized in the following tables. The measurable goals developed for this MCM are noted and become the metric utilized to evaluate performance and improvement.

As stated in 8A, the primary components of the PEP include Partnerships, Educational Materials/Media, and Educational Events. Partnerships cultivated in the 2012-2013 permit year included: the Watershed Alliance of York, Stewards of the Lower Susquehanna, York-Adams Area Girl Scouts of America, and Keep York Beautiful.

The Partnership outreach efforts are summarized in the following table. The table lists events facilitated through Partnerships and provided opportunities to promote and distribute information regarding Stormwater Management and its effect on the environment.

Partnership Facilitated Outreach Events

Date	Time	Event	Partners	Location
March 31, 2012	9:30 a.m. to 11:30 a.m.	100th Anniversary Forever Green Rain Gardens Programs	York-Adams GSA Council	First Church of the Brethren-York
April 14, 2012	8:00 a.m. to 12:00 p.m.	Keep York Beautiful Spring Cleanup	Keep York Beautiful	101 S George Street
April 21, 2012	8:00 a.m. to 12:00 p.m.	43rd Earth Day Cleanup	Lower Susquehanna Riverkeeper	N. Pershing Avenue parking lot
June 30-July 1, 2012	9:00 a.m. to 5:00 p.m.	12th Codorus Cleanup	Lower Susquehanna Riverkeeper	various
August 25, 2012	1:00 p.m. to 3:00 p.m.	Codorus Boat Parade	City of York, Lower Susquehanna Riverkeeper	Bantz Park
September 29-30, 2012	9:00 a.m. to 4:00 p.m.	10th Watershed Weekend	Watershed Alliance of York	various

A previously unreported Partnership providing both educational outreach and volunteerism was the TreeVitalize tree planting that occurred in April 2011. The City partnered with radio station WITF and the Pennsylvania DCNR to plant 680 native species trees along a segment of the Willis Run stream channel. This tree planting provided an opportunity for the community to engage in an activity that improves the riparian environment along Willis Run. Signage installed with this tree planting educates and informs visitors about the importance of trees in improving water quality (See Attachment for 8B and 10B).

The second PEP component is Educational Materials/Media. To expand educational outreach opportunities under the Educational Materials/Media component, the City shall establish a brochure/pamphlet kiosk at City Hall and increase the presence of stormwater related resources on the York City website. (www.yorkcity.org/stormwater-management/).

The third PEP component is Educational Events. During this permit cycle, the City provided an interactive learning opportunity to York City Schools and reached 323 students in 9 different classes. The instruction consisted of environmental and recycling concerns and included a hands-on demonstration of the hydrologic cycle using a stream/water table. The following table summarizes the Educational Outreach provided by City staff to the York City schools.

Educational Event Summary

Date	Contact Hours	School	Children Attending
May 5, 2012	1.5	Jacob L. Devers	47
May 8, 2012	1.5	Jacob L. Devers	40
May 14, 2012	1.5	Lincoln Charter	26
May 15, 2012	1.5	Lincoln Charter	26
May 16, 2012	1.5	Lincoln Charter	24
May 21, 2012	1.5	Lincoln Charter	26
May 22, 2012	1.5	Lincoln Charter	26
May 30, 2012	1.5	Arthur W. Ferguson	54
May 31, 2012	1.5	Arthur W. Ferguson	54
Total			**323**

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

Proposed Measurable Goals for MCM #1

The following measures are outcomes of the tasks identified in the revised PEP.

Partnerships Metrics:

- Current number of partnerships
- Number of partnership events
- Number of New Partnerships
- Event participation by City staff

The measurable goal of these metrics is to increase Partnerships, Events, and City staff participation.

Educational Material/Media:

- Number of Brochures Available
- Quantity of Brochures distributed
- Number of Locations brochures distributed
- Participation in Community Access TV
- New Website Articles Published

The measurable goal of these metrics is to increase public exposure and extend the types of media exposure.

Educational Events:

- Number of students participating
- Number of classes participating

The measurable goal is to continue utilizing these educational opportunities and increase contact as permitted.

MCM#1 (continued)

9. **MS4s USING <u>OWN</u> *PROTOCOL* FOR THIS MCM**

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):
Educational Events:

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#2 - PUBLIC INVOLVEMENT/PARTICIPATION — MINIMUM CONTROL MEASURE

10A. **MS4s USING DEP *PROTOCOL* for this MCM**

BMP: Update your Public Involvement and Participation Plan (PIPP). (Have you reviewed your PIPP for accuracy and content and made any relevant changes? If so, include/attach your revised PIPP.)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The PIPP was reviewed and updated by the City. A copy of this plan along with MS4 Task Force agenda/minutes from the previous permit year have been included in this annual report.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

10B. **BMP: Notify and solicit public input/involvement regarding implementation of your Storm Water Management Program.** (How and when did you solicit public input/involvement? What were the results/accomplishments during the past permit year?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

Public involvement is summarized in the following table of Outreach Events.

Partnership Facilitated Outreach Events

Date	Time	Event	Partners	Location
March 31, 2012	9:30 a.m. to 11:30 a.m.	100th Anniversary Forever Green Rain Gardens Programs	York-Adams GSA Council	First Church of the Brethren-York
April 14, 2012	8:00 a.m. to 12:00 p.m.	Keep York Beautiful Spring Cleanup	Keep York Beautiful	101 S George Street
April 21, 2012	8:00 a.m. to 12:00 p.m.	43rd Earth Day Cleanup	Lower Susquehanna Riverkeeper	N. Pershing Avenue parking lot
June 30-July 1, 2012	9:00 a.m. to 5:00 p.m.	12th Codorus Cleanup	Lower Susquehanna Riverkeeper	various
August 25, 2012	1:00 p.m. to 3:00 p.m.	Codorus Boat Parade	City of York, Lower Susquehanna Riverkeeper	Bantz Park
September 29-30, 2012	9:00 a.m. to 4:00 p.m.	10th Watershed Weekend	Watershed Alliance of York	Various

A previously unreported Partnership providing both educational outreach and volunteerism was the TreeVitalize tree planting that occurred in April 2011. The City partnered with radio station WITF and the Pennsylvania DCNR to plant 680 native species trees along a segment of the Willis Run stream channel. This tree planting provided an opportunity for the community engage in an activity that improves the riparian environment along Willis Run. Signage installed with this tree planting educates and informs visitors about the importance of trees in improving water quality (See Attachment for 8B and 10B).

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

Measurable Goals for MCM #2

The measurable goals for this measure are derived from PIPP task items and include.

- Increase in citizen participation in events. Obtain # of individuals participating and track.
- Increase in Employee participation in events. Encourage employee participation in events.
- Develop and present a Public Information and Education event promoting stormwater management and the MS4 program to the Public, Council, and Department Heads.

MCM#2 (continued)

11. **MS4s USING <u>OWN</u> *PROTOCOL* FOR THIS MCM**

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E) — MINIMUM CONTROL MEASURE

12A. **MS4s USING DEP *PROTOCOL* for this MCM**

BMP: Map all outfalls and receiving water-bodies. (Is your map up-to-date and accurate? Have you mapped additional features that can assist your outfall screening program, such as inlets, piping and outfall drainage areas? If updated, please submit)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City of York began a complete re-mapping of stormwater outfalls during the 2011-2012 annual reporting year (ARY). Data is managed using a geographic information system. See Appendix MCM3 for updated outfall mapping. In the 2012-2013 ARY, staff continued the re-mapping project by completing the Poorhouse Run and Mill Creek sub-basins. The re-mapping project is also verifying inlets and assigning each with unique identifiers. The Codorus Creek main stem re-mapping and dry-weather sampling will occur in the 2013-2014 ARY: preliminary outfall information was gathered from Army Corps of Engineers and City of York sources. A priority outfall list is provided in Appendix MCM3.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

12B. **BMP Implement and enforce ordinance to satisfy this Minimum Control Measure.** (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City of York adopted its stormwater ordinance on October 4, 2011 using an Act 167 ordinance. Title 4, Part 9, Article 942 addresses Detection and Elimination of Illicit Discharges is relevant to enforcing the IDDE program from infractions observed during field screening, complaint response and or inspections. Sources were determined for 11 of the 22 illicit discharge events in 2012: 6 events resulted in verbal notices and 2 resulted in administrative action. See Appendix MCM3 for a summary table of illicit discharge events.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

12C. **BMP: Distribute IDD&E specific educational material.** (What educational material was distributed to public employees, businesses and the general public concerning the hazards associated with illegal discharges and improper disposal of waste? Who received it? When?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

During illicit discharge event investigation, the public is educated on an individual basis regarding ordinance requirements and the effects of pollution on the environment. The IDDE ordinance is available on the City of York website, as well as other pollution prevention literature and web links. See also activities under MCM 1 and 2.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#3 (continued)

12D. **BMP: Establish priority areas, conduct screening/sampling and take appropriate actions as needed.** (Describe how the priority area was established and which outfalls were selected for screening during the past permit year. Summarize the results of your outfall screening/sampling. Include properly completed illicit discharge field screening form for any problem outfall. Include the illicit discharge quarterly summary report form. Describe the corrective actions taken to eliminate any illicit discharges or connections.)

Number of outfalls in system:	308*
Number of outfalls screened during the past permit year:	35
Number of screenings conducted during the past permit year:	70
Number of outfalls/screenings with dry weather flow during the past permit year:	5
Number of dry weather flows sampled during the past permit year:	8**
Number of outfalls determined to have an illicit discharge or connection during past permit year:	0***

* Number of Codours Creek outfalls are preliminary and will be finalized in 2013.

** 1 groundwater seep not tested

*** 1 found after illicit discharge screening completed. Leaking sanitary sewer lateral into storm sewer system (see Appendix MCM3).

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The Poorhouse Run and Mill Creek sub-basins contain 29 and 5 outfalls, respectively (priority area 3). The priority outfall for Poorhouse Run is PHR2 where the mostly underground channel returns aboveground near the City line, and catches the entire sub-basin. There are no priority outfalls in the small Mill Creek sub-basin. See Appendix MCM3 for 2012-2103 ARY summary tables of outfalls, sampling activity, updated outfall maps, and priority outfalls identified to-date. An illicit discharge was found at outfall PHR30 after both field-screening activities were completed. A sanitary sewer lateral transecting a storm sewer line exfiltrated sewage. The problem was discovered and corrected (see Appendix MCM3 for completed illicit discharge form). 35 IDDE issues were investigated: 22 events were illicit discharges in the City of York, 6 events were determined not to be illicit discharges, and 7 events were illicit discharges located in other municipalities (see Appendix MCM 3 for 2012-2013 ARY summary table of investigated illicit discharge events and quarterly illicit discharge summary reports).

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

Measurable Goals for MCM #3

- Complete mapping and identification (naming) of inlets.
- Continue Outfall screening and sampling activities.
- Track and Improve response times for IDDE investigations.

MCM#3 (continued)

13. **MS4s USING <u>OWN</u> *PROTOCOL* FOR THIS MCM**

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#4 - CONSTRUCTION SITE STORM WATER RUNOFF CONTROL — MINIMUM CONTROL MEASURE

14A. **MS4s USING DEP *PROTOCOL* for this MCM**

BMP: Implement and enforce ordinance to satisfy this Minimum Control Measure. (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?)**.**

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The Construction Site Stormwater Runoff Control Ordinance is implemented by reviewing and monitoring of E&S plans submitted through the land development permitting and approval process. The YCCD and/or City's Engineer, CS Davidson, review submissions for completeness and provide inspections to verify implementation and compliance. A summary of C.S. Davidson inspections is attached in the MCM#4 Appendix.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

14B. **BMP: Implement procedures for the review and enforcement of Erosion and Sediment (E&S) Control Plans.** (Who reviewed E&S Control Plans during the past permit year? Did the MS4 permittee conduct any E&S site inspections? Briefly describe any enforcement activities undertaken by the MS4 permittee.)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City of York continued utilizing the York County Conservation District (YCCD) MOU for review and comment on all NPDES E&S control plans for sites greater than 1 acre (See Attachment for 14B). In addition to review, the YCCD provides pre-construction, construction and post-construction inspections, reporting and follow-up. For construction activities that are less than the 1 acre threshold, the City's Engineer of Record will review the proposed E&S plans. The YCCD provides inspection for any construction site that has received a complaint, either directly or via the City, regarding E&S issues. A summary of all the YCCD inspections and their results is provided in the following table (14b Summary table). The YCCD did not take any enforcement action on the violations that were found during this permit cycle.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

14C. **BMP: Provide education and outreach for developers and builders.** (What educational/outreach materials were distributed to developers/builders during the past permit year?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The YCCD conducts an annual training program for developers and engineers. During the pre-construction meetings, the YCCD provides guidance and discusses specifics of the planned E&S control measures. Attached are three informational brochures available on the Yorkcity.org website and from the Permit Division counter.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

MCM#4 (continued)

14D. **BMP: Require construction site operators to control waste at the construction site.** (What was done in the past permit year to require construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

During the inspections for E&S compliance, the YCCD inspects the site for violations of waste management requirements.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

14E. BMP: **Implement procedures for the receipt and consideration of information submitted by the public.** (Summarize any information or complaints received from the public during the past permit year concerning construction site storm water runoff. Briefly describe how you responded to any such information/complaints?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City forwards any complaints received regarding E&S controls at construction sites to the YCCD for follow-upinspection. Complaints received from the public are recorded and directed to the Industrial Pretreatment Permits and Compliance Manager for initial inspection and those found to be related to the construction E&S control are referred to the YCCD for action.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

Measurable Goals for MCM #4

- **Track and improve compliance rates of contractors**
- **Decrease frequency of non-compliant inspection through education**

MCM#4 (continued)

15. **MS4s USING <u>OWN</u> *PROTOCOL* FOR THIS MCM**

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#5 - POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT — MINIMUM CONTROL MEASURE

16A. **MS4s USING DEP *PROTOCOL* for this MCM**

BMP: Implement and enforce ordinance to satisfy this Minimum Control Measure. (How was ordinance implemented and enforced during the past permit year in order to meet the goals of this MCM?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The ordinance requiring Post-Construction SWM controls was adopted in October 2011.

A recent review of the City's files found that not all PCSWM sites had properly executed Operation and Maintenance Agreements as required by ordinance and policy. The City is now processing the necessary O&M agreements to bring the files into compliance with requirements.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

16B. **BMP: Ensure that all Post-Construction Storm Water Management (PCSWM) BMPs in new or re-development areas are built as designed, and operated and maintained properly.** (Summarize how the MS4 permittee accomplished this during the past permit year. Include a list of all applicable PCSWM BMPs.)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City's Engineer, C.S. Davidson, Inc., conducts the design reviews, construction inspections, and initial post-construction inspection. City staff is completing additional post-construction inspections, and are implementing a paper and digital BMP file system. A spreadsheet summarizing the BMPs located within the city is attached in the MCM #5 Appendix.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

Measurable Goals for MCM #5

- **Complete outstanding Operation and Maintenance agreements.**
- **Get the yearly maintenance reports from each BMP owner.**
- **Continue with rotating schedule of BMP inspections.**

MCM#5 (continued)

17. **MS4s USING <u>OWN</u> *PROTOCOL* FOR THIS MCM**

If you are implementing your own protocol, approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

MCM#6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS — MINIMUM CONTROL MEASURE

18A. **MS4s USING DEP *PROTOCOL* for this MCM**

BMP: Implement an operation, maintenance, inspection and repair program for all municipally owned storm water facilities. (Describe how your program was implemented during the past permit year. Include your written Operation & Maintenance (O&M) plan, if not previously submitted.)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City revised the O&M Plan in 2013, and is attached.

The City of York continued Stormwater facility activities identified in the Facilities O&M Plan (See Activity Report in Attachment for 18A and 18B). Summaries of tasks performed for each of the O&M Plan components is provided in the attached Report.

A summary of SW collection system repairs listing the location, type of repair activity performed is provided. A listing of Emergency Spill Response and clean-up conducted by the Public Works department is attached. Additional spill response reporting is found associated with MCM #3.

Example forms and reports used in administering the program are attached. As a measurable goal, the City will develop and implement a digital report storage system for tracking program activities. The Inlet Identification System developed for MCM#3 will be used to identify the activities at specific inlets, outfalls, and other structures.

A summary table containing the tonnage of materials removed from streets and inlets during the course of the year is attached.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

18B. **BMP: Implement a pollution prevention/operation and maintenance program for all municipal vehicle/equipment operation, maintenance, fueling, and washing activities.** (Describe how your program was implemented during the past permit year. Include your written pollution prevention/O&M plan, if not previously submitted.)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

The City of York continued vehicle maintenance, fueling and washing activities identified in the O&M Plan. For a summary of these activities see Report in Attachment for 18A and 18B. As noted in 18A, the City included the revision to the plan with this report.

This report includes photographs of the signage located at the fueling station and the Spill Control location.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

18C. **BMP: Conduct BMP 18A and 18B training for appropriate municipal employees.** (Who was trained? When was the training conducted? What was the subject matter?)

☒ Measurable goal for this BMP was met. ☐ Measurable goal for this BMP was not met.

Describe how goal was met; or if not met, give an explanation and proposed corrective actions:

City employees participated in a wide variety of training opportunities during this permit cycle, internal and external. A summary table listing the dates, events and number of City participants is attached.

Is this BMP appropriate to meet your identified measurable goal? ☒ Yes ☐ No. If No, please provide additional information on other BMP(s) that would meet the goal.

Measurable Goals for MCM #6

- **Implement digital record keeping for SWM related O&M activities.**
- **Develop and implement additional training opportunities for municipal employees.**

MCM#6 (continued)

19. ☐ **MS4s USING <u>OWN</u> *PROTOCOL* FOR THIS MCM**

If you are implementing your own protocol approved by the Department, describe the current status of this Minimum Control Measure. In the boxes below list all BMPs and measurable goals you identified on your NOI or application approved by DEP. If the goals were met, describe how they were met. If they were not met, describe the current status of each and when/how they will be met.

Goal #1

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #2

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

Goal #3

List/Describe BMPs and measurable goal (Approved by DEP):

Describe how measurable goal was met:

If not met, describe reason(s), current status, plans and schedule for meeting the goal:

SECTION III – CERTIFICATION

CERTIFICATION STATEMENT

I certify under penalty of law that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

JAMES E. GROSS DIRECTOR OF PUBLIC WORKS

Name and official title

Signature

5/31/13

Date

Sworn and subscribed to before me, this 31st day of May, 2013

Grace Kathryn Myers

Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Grace Kathryn Myers, Notary Public
City of York, York County
My Commission Expires Dec. 28, 2016
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

My commission expires

(Notary Public Seal and Stamp)

SECTION IV – SPECIAL ADDENDUM REPORT FOR MS4S DISCHARGING INTO THE CHESAPEAKE BAY WATERSHED

Reporting Period

(Check appropriate block. Fill in the year for the reporting period you are submitting the report if not listed.)

☐ **March 10, 2008 through March 9, 2009 (due June 9, 2009)**

☐ **March 10, 2009 through March 9, 2010 (due June 9, 2010)**

☒ **March 10, 2012 through March 9, 2013 (due June 9, 2013)**

1. Name: City of York PAG: 133596 PAI: _____

Name of Contact Person: James E. Gross Telephone Number: 717-849-2245

GEOGRAPHIC LOCATION

2. **State Hydrologic Unit Code** – Provide the Hydrologic Unit Code(s) of the watershed(s) to which the MS4 discharges its storm water. This information is available at EPA's 'Surf Your Watershed' Website at http://cfpub.epa.gov/surf/state.cfm?statepostal=PA

List Hydrologic Unit Code(s): 02050306, _____, _____, _____

URBAN STORM WATER BEST MANAGEMENT PRACTICES

. **Structural BMPs** – List the permanent structural BMPs installed in the MS4, the number of acres that drain to each BMP, the name of the water body that receives discharges from the BMP, how often each BMP is inspected or maintained (quarterly, annually, etc.), and the name of the person or organization responsible for inspection and maintenance of the BMP.

Structural BMP	Drainage Area	Name of Receiving Water Body	Inspection/ Maintenance Frequency	Name of Responsible Person or Organization
See the attached sheet.				

Catholic Harvest Pantry			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Johnston and Associates, Inc	0407.3.03.25	Inspection Date	2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/13/2013	
				Catholic Harvest Pantry		
Infiltation Bed	0.02	UNT to Codorus Creek	Annual Inspections and after any major rainfall event	Project Location	BMP Effectiveness	
				628 East Market Street York, PA 17401	NON-COMPLIANT	

Crispus Attucks South Court St			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.03.26	Inspection Date	2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/13/2013	
Underground Detention Basin	0.49	Poorhouse Run	Annual Inspections and after any major rainfall event	Crispus Attucks		
				Project Location	BMP Effectiveness	
			Annual Inspections and after any major rainfall event	605 South Duke St York, PA 17401	NON-COMPLIANT	

Royal Farms			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: RETTEW	0407.3.18.14	Inspection Date	2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/12/2013	
Snout (Inlet I-1, I-2)	I-1 - .13, I-2 - .2	UNT to Willis Run	Annual Inspections and after any major rainfall event	Royal Farms		
				Project Location	BMP Effectiveness	
				1170 Loucks Rd, York, PA , PA 17401	NON-COMPLIANT	

George St and Gas Ave			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: C.S.Davidson Inc.	0407.3.XX.XX	Inspection Date	2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	Just Installed will be inspected for next years report	
Infiltration Trench	0.02	Codorus Creek	Annual Inspections and after any major rainfall event	City of York		
				Project Location	BMP Effectiveness	
				Corner of George St and Gas Ave York PA 17403	In Compliance	

MCM #1

MCM #1 APPENDIX - TABLE OF CONTENTS

Stormwater Management MS4
Public Education Plan
City of York

The City of York conducts Public Education and Outreach to meet the regulatory requirements of the Municipal Separate Stormwater Sewer System (MS4) permit issued to the City. Educating the citizens, businesses, and community, of importance of Stormwater pollution control and the resulting benefits of water quality is a key component of the MS4 program. To provide an effective Education program to the community, the City has identified the following Target Audiences found with our community and area.

Target Audiences

- York City residents
- City businesses (commercial and industrial)
- Contractors working within the City
- Municipal employees
- Visitors to our City

Additional Audiences

- Local conservation groups
- Local municipal partners and county governmental organizations
- Local developers, engineers and consultants
- The Greater York Area community

To effectively deploy the educational message, the City currently relies on three primary components: partnerships, educational materials/media, and educational events. The following is a list of partnerships, events, methods and opportunities the City is currently using or developing to meet the educational objective. Measurable goals are indicated in *italics.*

- Watershed Alliance of York: MOU established specific resources and services to the City to promote watershed planning, restoration, and protection. *Advertise and promote WAY, and other groups, as a resource for learning about stormwater.*
- Distribution of stormwater education pamphlets and information via a kiosk at City Hall. *Install kiosk at City Hall and stock with brochures. Inventory brochures to determine the quantity distributed during the year.*
- Hands-on stormwater and recycling education program provided to York City elementary schools. *Quantify the number of students reached through this activity.*
- Internet stormwater resources and articles on the York City website. *Publish the City's Annual Report on the website and provide additional articles and content for the public.*
- Article in the York City Public Works newsletter sent to City residents. *Quantify the number of newsletters sent to residents.*

- Participation in local conservation groups public events and clean-ups. *Provide staff to participate in public events and clean-ups. Quantify participation.*
- Meetings of the Municipal MS4 Taskforce. *Continue meeting activities.*
- Training events provided by GOs and NGOs. *Quantify staff participation in training events.*
- Article in York City Employee Newsletter. *Quantify the number of staff reached via the newsletter.*
- Public meeting and outreach to citizenry. *Schedule and conduct a public meeting to explain the MS4 program and the public's role in success.*
- Informational meetings provided to York City Council and department heads. *Schedule and conduct informational meetings for both City Council and department heads to explain the MS4 program and the City's regulatory requirements.*
- Internal training to City employees. *Establish an annual training program for public works and Permits, Planning and Zoning employees.*
- Provide stormwater management requirements to developers and property owners as part of the construction permitting process. *Distribute SWM information and evaluate distribution effectiveness.*
- Utilize the local community access television (WRCT) to reach citizens within the greater York area. *Produce and air an informative video on stormwater management.*

List of Current Partnerships

Watershed Alliance of York (Way)
Keep York Beautiful
Stewards of the Lower Susquehanna (SOLS)
York County Conservation District (YCCD)
York County TMDL Workgroup
York Adams County Girl Scouts of America
Pa Department of Conservation and Natural Resources

As part of this PEP, the City will actively to seek opportunities to partner with additional organizations and develop new educational vehicles.

THE CITY OF YORK
PUBLIC WORKS DEPARTMENT
101 SOUTH GEORGE STREET, 2ND FLOOR
YORK PA 17401

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Programs Update

SPRING 2012

Honorable C. Kim Bracey, Mayor

Environmental and Recreation & Parks
www.yorkcity.org

YORK CITY ENVIRONMENTAL BUREAU

Everyone in York City is required to recycle according to State law, Act 101 and local ordinance 952, (resident and commercial, institutional). The designated items include all types of paper (office paper, tablet paper, envelopes, junk mail, magazines, phone books), cardboard, and chipboard (cereal, tissue and other product boxes; paper towel and toilet paper rolls), glass & metal food and beverage containers and plastic bottles/jars with #1-7 (neck must be smaller than bottom to qualify as bottle/jar) ... all butter tubs, dessert cups, and plastic bags are trash. If you are not recycling, please begin immediately. Non-compliance may result in fines of up to $600. Trash generated and collected in York City is taken to the York County Incinerator. For every ton that is recycled and diverted from the waste stream, there is a savings of $56 in disposal fees.

CITYWIDE LITTER CLEANUP, Saturday, April 14th

Volunteers to meet at Kiwanis Lake Park (Newberry/Madison) between 7:30–8:00 a.m. Cleanup 8:00-11:00 a.m.

YARD WASTE FACILITY (Memorial Stadium)

This site is open the first Saturday of each month 10 am–2 pm, weather permitting. (Bring proof of residency) NO GRASS!
Open: 4/7; 5/5; 6/2; 7/7; 8/4; 9/1; 10/6; 11/3; 12/13
Closed: January, February & March

UPCOMING HOLIDAY COLLECTION SCHEDULES

Memorial Day – No collections on Monday, 5/28.
All collections (Mon – Fri) will be delayed 1 day.
Independence Day – No collections on Wednesday 7/4.
All collections (Wed – Fri) will be delayed 1 day.
Labor Day – No collections on Monday, 9/3.
All collections (Mon – Fri) will be delayed 1 day.

CITY OFFICE CLOSED FOR HOLIDAYS

Friday, April 6th	Good Friday (Penn Waste is collecting)
Monday, May 28th	Memorial Day
Wednesday, July 4th	Independence Day
Monday, September 3rd	Labor Day

LARGE- ITEM COLLECTION

York City Curbside Customers may call **843-1240** Mon – Thurs, 9:00 a.m. to 3:30 p.m. to schedule up to 5 normal household furniture/appliance items. Some items are excluded from this service and must be handled privately.

REFUSE COLLECTIONS Place trash in plastic or metal can with a lid and handles and/or in securely tied trash bags (Max: 32 gals; 40lbs). (Contractor bags, leaf bags, grocery bags, large "toter" cans and any trash cans over 32 gas, plastic/metal drums, cardboard boxes, milk crates, and laundry baskets should NOT be used for regular trash.) Illegal containers may be disposed of and no refunds/replacements will be given.

CONTAINERS & BAGS FOR SALE to individual residents for their specific York City dwelling. Quantities will not be sold to landlords or management companies.

Green Recycling Bin (24 gal)	$3.00/each
Green Recycling Bucket (6 gal)	$3.00/each
Yard Waste Cans (22 gal)	$3.00/each
Yard Waste Kraft Paper Bags	$5.00/pack of 10

Reduced pricing is made possible, in part, due to a grant from the Department of Environmental Protection, in conjunction with York County Solid Waste and Refuse Authority. Yard Waste bags remain $5.00 for each pack of 10 bags.

Above items are available at the Public Works Department, 101 S George Street, 2nd floor, M–F, 8 a.m. – 4:30 p.m. Customers must show proof of residency (i.e. driver's license or bill). Yard waste cans/bags not available December–February. *Recycling containers must remain with the property.*

DO YOUR PART TO HELP MAKE OUR CREEK CLEAN

It seems to rain a lot in York City lately. Rain washes over hard surfaces and lawns picking up sediment, metals, grease, litter, bacteria and other pollutants. York's storm system collects the run-off and discharges into the Codorus Creek. Like most cities, York's storm water is NOT treated/cleaned. Sadly, what goes into storm drains, ends up in the creek.

York City employs an array of best management practices (BMPs) to help minimize pollution. Examples of these include street sweeping, sewer system inspections and repairs, public education, illicit discharge control and municipal pollution prevention.

Vegetation, such as grasses, flowers and shrubbery, and fencing are a few items that can also help reduce run off of soil which also contaminates the creek. Securely tied bags of trash and routine litter removal are key to clean storm water.

CITY OFFICES ARE MOVING - Effective 3/14/12

All City offices from 1 Marketway West and from the old City Hall at 50 W King St are moving to the (new) City Hall. The new address for Public Works offices will be:

The City of York
The Public Works Department
101 S George St 2nd Fl
York, PA 17401

Printed on Recycled Paper

YORK CITY RECREATION & PARKS BUREAU
101 South George Street, York PA 17401
Office Hours: Monday – Friday, 8:00 am to 4:30 pm
Phone: 717.854-1587 * Fax: 717.845-7457
www.yorkcity.org

IMPORTANT PHONE NUMBERS
City Hall Main Desk (Mayor's Office) 849.2301 * City Council 849.2246
Yard Sale Permits 849.2256 * York City Events 849.2217
Community Development 849.2307 * Economic Development 849.2880
Housing Services 849.2264 * Human Resources 849.2883

MISSION STATEMENT/POLICIES

The **mission** of the York City Recreation & Parks Bureau is to meet the recreation needs of York City residents by providing direction, planning and coordination of services to enhance their quality of life through year-round leisure programs and facilities that will develop and enhance the individual's physical, emotional, mental and social well-being. **Policies** - York City Recreation and Parks reserves the right to: Cancel a program for any reasonable cause. To deny registration or entry into a program when it deems necessary to assure public safety. To suspend a child from a program, with no refund, after notifying a parent of disciplinary problems. To adjust any of the program details printed in this publication or any other City publication regarding fees, locations, instructors, times, days and starting dates. Park Rules - No person or vehicle shall remain in any park between the hours of 10:00 pm and 6:00 am unless by permit or authorized by the Director. No person shall drive through or park a motor vehicle partially or totally on lawn areas of any park unless otherwise permitted. No alcoholic beverages are permitted in any park. No littering. All trash must be disposed of in the proper containers. (Codified Ordinance Article 741.02) Feeding of water foul is prohibited.

YOUTH PROGRAMMING

Annual Fishing Derby at Kiwanis Lake
WHO: Children ages 15 and under and their parents
WHAT: 14th Annual Fishing Derby
WHEN: Saturday, March 31, 2012- 8:00am-Noon
WHERE: Kiwanis Lake
FREE event, held rain or shine.
York City Recreation and Parks Bureau, Izaak Walton League, and Gander Mountain, invite all youth in the community, ages 15 and younger, to participate. York's Helping Hand for the Homeless will provide a free lunch. Arrive early for registration! Contact Info: Sandie Walker at 849-2251.

37th Annual Easter Egg Hunt – Kiwanis Lake/Farquhar Park
WHO: Children Ages 8 and younger
WHAT: 37th Annual Easter Egg Hunt (FREE Event)
WHEN: Saturday, March 31st, 1 to 3 p.m.
WHERE: Kiwanis Lake/Farquhar Park
Rain date will be Sunday, April 1, 3 to 5 p.m.

2012 Summer Parks & Playgrounds Day Camp
When: June 27th - August 2nd Ages: 6-13
Monday-Thursday, 10:00 am to 3:00 pm
Cost: City Residents-$75.00/summer: Non-City- $150.00/summer
Park Locations: Albemarle, Allen, Lincoln, Thackston, and Westminster Parks
Activities: Swimming, Roller-skating, Arts & Crafts, Movies, Bowling

2012 Summer Parks & Playgrounds Evening Camp (FREE)
When: June 27th - August 2nd Where: Penn Park
Monday-Thursday, 5:30pm to 7:30 pm Ages: 18 & younger

2012 Summer Lunch Program
When: June 27th - August 2nd
Monday-Thursday, 12:00-12:30 pm
Park Locations: Albemarle, Allen, Lincoln, and Thackston
Ages: 18 and younger Cost: Free

York City Recreation & Parks AND York Area State Parks Adventure Camp
August 6 - 10, 9:30 am to 3:30 pm
Gifford Pinchot Park and Codorus Park
Transportation provided. Lunch, snack, drinks provided.
Swimming, kayaking, hiking, fishing Ages: 13-17

ATHLETICS

York Roundball 3 on 3 Basketball Tournament
Saturday, June 16 (Voni Grimes Gym & York High Gym)
Open for male and female participation (ages 10 to 30 & over)
Entry Deadline: Friday, June 8

Memorial Park Batting Cages (Rockdale & Vander Avenues)
Open April 2 through Labor Day
Hours (weather permitting): Monday through Thursday, 5:00 to 8:00 pm & Saturdays 10:00 am to 2:00 pm & Sundays 1:00 to 4:00 pm – Available for private rentals and birthday parties.

Leagues/Tournaments
Coors Light Beach Volleyball – June through August
Co-ed Sixes, Men's & Women's, 4's and Men/Women Co-Ed Doubles

Coors Light Summer Basketball – June through August
Voni B. Grimes Gym, 125 East College Avenue
Two divisions (Divisions 1 & 2)

92nd York City/County Tennis Tournament at Farquhar Park
June 18 -28 Includes Men's & Women's Singles, Men's Mixed and Senior men's and women's Doubles

SPECIAL EVENTS–visit us on the web www.yorkcity.org

Box Lunch Review – May 1 – Aug. 30, 11:30 am to 1:00 pm
Olde York Street Fair – May 13, 12:30 to 6:00 pm
Yorkfest Arts Festival – Aug. 25 & 26 beginning @ 10:00 am
Labor Day Festival – Sept. 3 beginning @ 6:30 am, Kiwanis Lake
York Bike Night – Sept. 28, 6:00 to 10:00 pm
Garden Tour – June 9, 10:00 am to 4:00 pm

SUMMER MOVIE SERIES (FREE)

June 6, 13, 20, 27
July 4-No Movie, 11, 18, & 25 and August 1, 8, 15
Held Wednesday evenings beginning at 6:30 pm at Kiwanis Lake.
Free activities for youth. All are welcome! Bring a lawn chair or a blanket. Refreshments are for purchase.

LINCOLN PARK SUMMER CONCERT SERIES (FREE)

July 12, 19, & 26 and August 2, 9, 16
Held Thursday evenings beginning at 7:00 pm
All are welcome! Bring a lawn chair or a blanket. Refreshments are available for purchase.

GARDEN TOUR– Sat., June 9, 10:00 am–4:00 pm

Sponsored by York City Recreation and Parks and the Garden Club of York - Tour Locations - Springettsbury and Springdale Avenues. Sites will feature, ponds and patio's, community vegetable gardens, therapeutic gardens and the newly created Gold Star Garden located in the Memorial Park Complex. Enjoy free hors d'oeuvre, wine sampling, fresh tea and music. Wear your favorite garden hat and participate in the best, most creative garden hat competition. **Tickets** - $10.00 if purchased in advance and $12.00 if purchased on the day of the event. Tickets can be purchased in advance at City Offices, 101 S. George St. or participating sponsors. Proceeds will benefit York City Recreation & Parks and the Garden Club's Scholarship Fund. Not necessarily, although not limited to, horticultural. For further details call 854-1587.

TREE TRIMMING (Codified Ordinance Article 913)

913.03 (a) Any tree or shrub which overhangs any sidewalk, street or public place in such a way as to impeded or interfere with traffic or travel on such public place including City street sweepers and other vehicles requiring a high clearance on roadways, shall be trimmed by the owner of the abutting premises on which such trees or shrub grows, to a height of a minimum of fourteen feet above the roadway and eight feet above the sidewalk so that the obstruction shall cease (Ord. 5-1995. Passed 4-18-95) (b) Any tree or limb of a tree which has become likely to fall on or across any public way or place, shall be removed by the owner of the premises on which such tree grows or stands.

PARK/SPECIAL EVENT PERMIT

To reserve a park for your next family picnic or special event, please call our office or visit our web site for a printable application. Applications along with payment must be submitted 30 days prior to the date of your scheduled event.

STREET SWEEPING

City wide street sweeping has resumed now through November. The fine for parking in an area during designated street sweeping days is $50.00. For questions about when a street is posted for no parking please call the Highway Bureau at 849.2320.

HOW TO REPORT A STREET LIGHT PROBLEM

Identify exact location (street name, closest address of a building), include the pole number (ten-digit number on yellow metal tag on pole, *example* 22550-28665). If the number is missing from the pole, report that along with the exact location. **Identify** problem (light out, goes on and off, on during daylight hours). **Report** the problem to the Bur of Electrical and Bldg Maint at 812-1430 or email cgodfrey@yorkcity.org. Allow 2-3 weeks for repair.

HOW TO REPORT A POT HOLE

Call a 24-Hour recorded hotline at 849-2228 for any street problems-pot holes, inlets clogged, signs, snow removal or sweeping. Give exact location (street name, block). If you prefer to speak with someone call 849-2320, 7:00 am & 3:30 pm, Monday - Friday.

THE CITY OF YORK
THE DEPARTMENT OF PUBLIC WORKS
101 SOUTH GEORGE STREET, PO BOX 509
YORK PA 17405

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Programs Update

FALL 2012

Honorable C. Kim Bracey, Mayor

Environmental and Recreation & Parks
www.yorkcity.org

YORK CITY RECREATION & PARKS BUREAU

101 South George Street, PO Box 509, York, PA 17405
Office Hours: Monday – Friday, 8:00 am to 4:30 pm
Phone: 717-854-1587 Fax: 717-845-7457
www.yorkcity.org

MISSION STATEMENT/POLICIES

The **mission** of the York City Recreation & Parks Bureau is to meet the recreation needs of York City residents by providing direction, planning and coordination of services to enhance their quality of life through year-round leisure programs and facilities that will develop and enhance the individual's physical, emotional, mental and social well-being. **Policies** - York City Recreation and Parks reserves the right to: Cancel a program for any reasonable cause. To deny registration or entry into a program when it deems necessary to assure public safety. To suspend a child from a program, with no refund, after notifying a parent of disciplinary problems. To adjust any of the program details printed in this publication or any other City publication regarding fees, locations, instructors, times, days and starting dates. Park Rules - No person or vehicle shall remain in any park between the hours of 10:00 pm and 6:00 am unless by permit or authorized by the Director. No person shall drive through or park a motor vehicle partially or totally on lawn areas of any park unless otherwise permitted. No alcoholic beverages are permitted in any park. No littering. All trash must be disposed of in the proper containers. (Codified Ordinance Article 741.02) Feeding of water foul is prohibited.

ATHLETICS

Voni B. Grimes Gym – Open Gym (City Residents ONLY)
Beginning October 22nd
Mondays & Wednesdays, 4:30 to 9:00 pm
Tuesdays & Thursdays, 4:30 to 6:30 pm
No evening hours during winter basketball league dates.

Co-Ed Volleyball League - Voni B. Grimes Gym
Beginning October 23rd
Division One – Thursday nights (14 team limit)
Division Two – Tuesday nights (14 team limit)
Entry Deadline: October 11 (unless limit is reached)

Coors Light Winter Basketball League – Voni B. Grimes Gym
Beginning December 3rd (Monday and Wednesday nights)
Entry Deadline: November 19 *Team Limit: 12

Coors Light White Rose Softball League
League registration information will be available for pick up on January 3, 2013 at 101 South George Street (Rec. & Parks office) or Mt. Rose Beer and Soda (Mt. Rose Ave.)

TRICK OR TREAT (YORK CITY)

Wednesday, October 31 - 6:00 to 8:00 pm

SPECIAL EVENTS

of York City – February 8, 2013

STREET SWEEPING

City wide street sweeping will end on November 14th for all residents who are not on a street designated for year round cleaning. The fine for parking in an area during designated street sweeping days is $50.00. For questions about when a street is posted for no parking please call the Highway Bureau at 849-2320.

HOW TO REPORT A STREET LIGHT PROBLEM

Identify the exact location (street name, closest address of a building), included the pole number (ten-digit number located on a yellow metal tag on the pole, *example* 22550-28665). If the number is missing from the pole this should be reported along with the exact location. **Identify** the problem (light out, goes on and off, on during daylight hours). **Report** the problem by calling the Bureau of Electrical and Building Maintenance 812.1430 or by email cgodfrey@yorkcity.org. Allow two to three weeks to make a repair.

SNOW EMERGENCY ROUTES

City residents that live along a snow emergency route are required to move their vehicles as directed in the event a snow emergency is declared. The snow emergency routes within the City are as follows:

- MARKET STREET, CITY LIMIT TO CITY LIMIT
- PHILADELPHIA STREET, CITY LIMIT TO CARLISLE AVE.
- QUEEN STREET, CITY LIMIT TO ARCH STREET
- GEORGE STREET, CITY LIMIT TO CITY LIMIT
- PRINCESS STREET, CITY LIMIT TO CITY LIMIT
- DUKE STREET, JACKSON STREET TO NORTH STREET
- WEST KING STREET, SOUTH BEAVER STREET TO SOUTH GEORGE STREETS
- BEAVER STREET, NORTH STREET TO WEST COLLEGE AVENUE

Free parking is available during a snow emergency at the following locations. If vehicles are not removed they will be towed.

- Lot # 2 _ 300 block West King Street
- Lot # 3 – 150 South Duke Street
- Lot 3A – Newton & Howard
- Lot # 7 – 600 block West Mason Avenue
- Lot # 11 –Duke and Princess Street
- Lot # 12 – 700 block East Mason Avenue
- Lot #14 – Penn and St. Paul Streets
- Lot # 17 – 200 block West Market Street rear (Mason Avenue)

Residents should listen to local radio and television stations or log on to the City's web site at www.yorkcity.org for announcements of a snow emergency. Mayor Bracey asks for the cooperation of all residents in moving their vehicles so City crews can plow snow in an effective manner. For additional information please contact the Highway Bureau at 849-2320.

YORK COUNTY PARKS & RECREATION 717-840-7440

Visit the website at www.yorkcountyparks.org

City of York Weeks
at the 29th edition of Christmas Magic – A Festival of Lights
November 23–December 14 and December 26-31
Rocky Ridge County Park
Coupon is redeemable for Buy One, Get One Free Admission
Maximum is 2 free regular admissions
This coupon is valid only for 2012 program
Coupon is good for a one-time use.

Hours: Mon–Fri 6–9 p.m.; Sat. & Sun, 5–9 p.m.
Adults - $8.00; Children (4-12) - $6.00; Under 4 Free;
Seniors (over 59) - $7.00; Adult Group (11+) - $7.00;
Children Group (11+) - $5.00

YORK CITY ENVIRONMENTAL BUREAU
Every person (residential, institutional, commercial customer) in York City is mandated to recycle according to State law, Act 101 and local Ordinance, Article 952. Designated recyclables include all types of paper (office paper, tablet paper, envelopes, junk mail, magazines, phone books), cardboard, and chipboard (cereal, tissue and other duct boxes; paper towel and toilet paper rolls), glass & metal food beverage containers and plastic bottles/jars with #1-7 (neck must smaller than bottom to qualify) ... all butter tubs, dessert cups, and plastic bags are trash. If you are not recycling, you must begin immediately. Non-compliance may result in fines of up to $600. Trash generated and collected in York City is taken to the York County Incinerator. There is a savings of $59 in disposal fees for every ton that is recycled and thereby diverted from the waste stream. Call 849-2245 for questions about the requirements.

YARD WASTE FACILITY (Memorial Stadium)
This site is open the first Saturday of each month 10 am–2 pm, weather permitting. (Bring proof of residency) NO GRASS!
Open: 9/1; 10/6; 11/3; 12/1 Closed: January, February & March

UPCOMING HOLIDAY COLLECTION SCHEDULES
Labor Day – No collections on Monday, 9/3.
All collections (Mon – Fri) will be delayed 1 day.
Thanksgiving Day – No collections Thursday 11/22.
All collections (Thurs – Fri) will be delayed 1 day.
Christmas Day – No collections on Tuesday 12/25.
All collections (Tues – Fri) will be delayed 1 day.
New Year's Day – No collections on Tuesday 1/1.
All collections (Tues – Fri) will be delayed 1 day.

CITY OFFICE CLOSED FOR HOLIDAYS

Monday, 9/3	Labor Day
Thursday, 11/22 & Friday 11/23	Thanksgiving Holiday
Monday, 12/24 & Tuesday 12/25	Christmas Holiday
Tuesday 1/1	New Year's Day

LARGE- ITEM COLLECTION
York City Curbside Customers may call **843-1240** Mon – Thurs, 9:00 a.m. to 3:30 p.m. to schedule up to 5 normal household furniture/appliance items. Some items are excluded from this service and must be handled privately.

REFUSE COLLECTIONS Place trash in plastic or metal can with a lid handles and/or in securely tied trash bags (Max: 32 gals; 40lbs). contractor bags, leaf bags, grocery bags, large "toter" cans and any trash cans over 32 gas, plastic/metal drums, cardboard boxes, milk crates, and laundry baskets should NOT be used for regular trash.) Illegal containers may be disposed of and no refunds/replacements will be given.

CONTAINERS & BAGS FOR SALE to individual residents for their specific York City dwelling. Quantities will not be sold to landlords or management companies.

Green Recycling Bin (24 gal)	$3.00/each
Green Recycling Bucket (6 gal)	$3.00/each
Yard Waste Cans (22 gal)	$3.00/each
Yard Waste Kraft Paper Bags	$5.00/pack of 10

Reduced pricing is made possible, in part, due to a grant from the Department of Environmental Protection, in conjunction with York County Solid Waste and Refuse Authority. Yard Waste bags remain $5.00 for each pack of 10 bags.

Above items are available at the Public Works Department, 101 S George Street, 2nd floor, M–F, 8 a.m. – 4:30 p.m. Customers must show proof of residency (i.e. driver's license or bill). Yard waste cans/bags not available December–February. *Recycling containers must remain with the property.*

DO YOUR PART TO HELP MAKE OUR CREEK CLEAN
It seems to rain a lot in York City lately. Rain washes over hard surfaces and lawns picking up sediment, metals, grease, litter, bacteria and other pollutants. York's storm system collects the run-off and discharges into the Codorus Creek. Like most cities, York's storm water is NOT treated/cleaned. Sadly, what goes into storm drains ends up in the creek.

York City employs an array of best management practices (BMPs) to help minimize pollution. Examples of these include street sweeping, sewer system inspections and repairs, public education, illicit discharge control and municipal pollution prevention.

Vegetation, such as grasses, flowers and shrubbery, and fencing are a few items that can also help reduce run off of soil which also contaminates the creek. Securely tied bags of trash and routine litter removal are key to clean storm water.

CITY OFFICES MOVED
Mid March, 2012 City offices moved from the Marketway building and from the old City Hall on West King St to new offices. The mailing address for City Hall is:

The City of York
101 S George St
PO Box 509
York, PA 17405

ELECTRONICS BAN EFFECTIVE JANUARY 24th, 2013
A new state law, "The Covered Device Recycling Act" passed November 10, 2010, and it addresses the recycling and disposal of certain "covered" electronic devices in PA.

"Covered Devices" include desktop and laptop computers, computer monitors and peripherals, small notebook computers and televisions.

Manufacturers are "required" (and retailers "may") offer collection programs, but it must be free of charge unless a coupon, rebate or other financial incentive of equal or greater value is supplied.

Beginning January 24, 2013, disposal facilities in PA will not be allowed to accept "covered devices" or their components.

From that point forward, customers will no longer be able to schedule the "covered devices" for the City's large-item collection.

The City of York is exploring the possibility of partnering with the YCSWA's E-cycle program to open an E-cycle drop-off program once a month. The program would likely be held the same days, times and at the same area as the Yard Waste drop-off program.

These banned items along with other "electronic" items that contain a circuit board (i.e. microwave, printer, VCR, video camera, radio, answering machine, digital camera, radios/stereos, and remote controls) will also be accepted at E-cycle events. Plain "electric" items (i.e. hairdryer, toasters, curling irons, etc.) will NOT be accepted.

There will be more information to follow in the spring edition. In the meantime, anyone in York County can participate in the YCSWA's free monthly E-cycle program. For more information, visit the Authority's web page at: **www.ycswa.com** and click on Recycling, then Electronics.

NEW REFUSE CONTRACT FOR SPRING, 2013
The contract for normal curbside collections of refuse, recycling, yard waste and scheduled large items will expire April 30, 2013.

The bidding process, which includes advertising, a mandatory pre-bid meeting, a bid opening, a recommendation to City Council, and finally the contract award is currently underway. The City will bid a few alternatives for comparison in an effort to keep collection costs at a minimum, but with balanced value of services to be provided.

More information on who the curbside collection hauler will be for the term of May 1, 2013 – April 30, 2017 will be publicized once the bid is awarded.

FALL LEAF COLLECTION
Vacuuming of loose leaves from curbs depends on the weather and usually begins mid to late October and continues into early December, weather permitting. In the case of a significant snow event, equipment would be changed over for the season to snow removal.

FINAL CURBSIDE YARD WASTE COLLECTIONS
Curbside collection of paper yard waste bags/yellow cans/bundles of yard waste and fall leaves will continue, weather permitting, into mid December.

Final curbside collections of yard waste will be:
Monday, December 10th in the Monday Refuse District
Tuesday, December 11th in the Tuesday Refuse District

CHRISTMAS TREE COLLECTION
City staff will remove discarded Christmas trees throughout the entire City during the first 2 weeks of January. These trees will be processed for mulch.

Because the trees are collected for mulching, they must be completely bare, as the day they were cut down. That means no tree bags, no lights or ornaments, no tree stands or the like.

All discarded Christmas trees that are out for collection after January11th will be collected (as regular trash) by the City's curbside hauler, Penn Waste. Each tree will replace a bag of trash in the normal bag limits.

Printed on Recycled Paper

Table for 8B and 10B

Summary of Partnership Sponsored Events

Date	Time	Event	Partners	Location
March 31, 2012	9:30 a.m. to 11:30 a.m.	100th Anniversary Forever Green Rain Gardens Programs	York-Adams GSA Council	First Church of the Brethren-York
April 14, 2012	8:00 a.m. to 12:00 p.m.	Keep York Beautiful Spring Cleanup	Keep York Beautiful	101 S George Street
April 21, 2012	8:00 a.m. to 12:00 p.m.	43rd Earth Day Cleanup	Lower Susquehanna Riverkeeper	N. Pershing Avenue parking lot
June 30-July 1, 2012	9:00 a.m. to 5:00 p.m.	12th Codorus Cleanup	Lower Susquehanna Riverkeeper	various
August 25, 2012	1:00 p.m. to 3:00 p.m.	Codorus Boat Parade	City of York, Lower Susquehanna Riverkeeper	Bantz Park
September 29-30, 2012	9:00 a.m. to 4:00 p.m.	10th Watershed Weekend	Watershed Alliance of York	various

Table for 8B

City of York Elementary School Environmental Education Classes

Date	Contact Hours	School	Children Attending
May 5, 2012	1.5	Jacob L. Devers	47
May 8, 2012	1.5	Jacob L. Devers	40
May 14, 2012	1.5	Lincoln Charter	26
May 15, 2012	1.5	Lincoln Charter	26
May 16, 2012	1.5	Lincoln Charter	24
May 21, 2012	1.5	Lincoln Charter	26
May 22, 2012	1.5	Lincoln Charter	26
May 30, 2012	1.5	Arthur W. Ferguson	54
May 31, 2012	1.5	Arthur W. Ferguson	54
Total			**323**

Attachment for 8B and 10B

TreeVitalize Project 2011 -2012

The TreeVitalize project, Spring of 2011, resulted in a volunteer driven effort to plant approximately 680 native species trees along a stream corridor within the City's Noonan Park. The tree planting provided an opportunity for volunteers to engage and enjoy ownership of a project that has long term benefits to the environment and the community.

TreeVitalize Informative Signage


Photo of a portion of the project area


The Noonan Park Stream Corridor – TreeVitalize Project Area

MCM #2

MCM #2 APPENDIX - TABLE OF CONTENTS

Stormwater Management MS4
Public Involvement and Participation Plan
PIPP
City of York

The City or York's Public Involvement and Participation Plan is implemented to meet regulatory requirements of the Municipal Separate Stormwater Sewer System (MS4) permit issued to the City. Involving the public and encouraging participation in stormwater issues within our community is a vital component in the improvement of the quality and management of stormwater. The PIPP contains many of the same stakeholders and elements of the Public Education Plan. By engaging the stakeholders to become involved and participate, the City is able take advantage of experience by providing concurrent educational outreach

Target Audiences

- York City residents
- City businesses (commercial and industrial)
- Contractors working within the City
- Municipal employees
- Visitors to our City

Additional Audiences

- Local conservation groups
- Local municipal partners and county governmental organizations
- Local developers, engineers and consultants
- The Greater York Area community

The following list of activities serves as the methods the City is using, or is developing, to conduct the Involvement and participation component of the plan.

- Watershed Alliance of York: MOU established specific resources and services to the City to promote watershed planning, restoration, and protection. *Advertise and promote WAY, and other groups, as a resource for learning about stormwater.*
- Distribution of stormwater education pamphlets and information via a kiosk at City Hall. *Install kiosk at City Hall and stock with brochures. Inventory brochures to determine the quantity distributed during the year.*
- Hands-on stormwater and recycling education program provided to York City elementary schools. *Quantify the number of students reached through this activity.*
- Article in the York City Public Works newsletter sent to City residents. *Quantify the number of newsletters sent to residents.*
- Participation in local conservation groups public events and clean-ups. *Provide staff to participate in public events and clean-ups. Quantify participation.*

- Public meeting and outreach to citizenry. *Schedule and conduct a public meeting to explain the MS4 program and the public's role in success.*
- Provide stormwater management requirements to developers and property owners as part of the construction permitting process. *Distribute SWM information and evaluate distribution effectiveness.*
- Utilize the local community access television (WRCT) to reach citizens within the greater York area. *Produce and air an informative video on stormwater management.*

The City of York
Pennsylvania

101 South George Street PO Box 509 York PA 17405
www.yorkcity.org

Honorable C. Kim Bracey, Mayor

FOR IMMEDIATE RELEASE

CONTACT: MAYORS OFFICE

PHONE: 717-849-2221

The U.S. Conference of Mayors Awards City of York, PA

City of York Awarded City Livability Award for the Take 10 on Tuesday Program

The City of York, PA has been awarded the Honorable Mention City Livability Award by The U.S. Conference of Mayors. The award will be presented to the City of York, PA, on Thursday June 14th, during The U.S. Conference of Mayors 80th Annual Meeting in Orlando, Florida.

Established in 1979, The Conference of Mayors City Livability Program sponsored by Waste Management, Inc., honors mayors and their city governments for developing innovative programs that enhance the quality of life in urban areas.

"The all-inclusiveness, simplicity, and innovative adaptability of the "Take 10 on Tuesday" Program has led to its recognition as a highly effective program that has the ability to enhance quality of life issues, while adding a tremendous amount of curb appeal," states Mayor Bracey.

The Take 10 on Tuesday Program is an initiative that was launched in February 2011, in collaboration with Downtown, Inc. to encourage residents and business proprietors to take pride in the City of York, by simply taking ten minutes every Tuesday of the week to take notice of any unsightly dirt, debris, litter, and/or weeds and remove those items, in an effort to keep York City beautiful.

Hundreds of mayors and their city governments submitted applications with a wide range of programs, to compete for the honor of calling themselves City Livability Award winners. Ten winners were selected from the large cities category and ten winners were selected from the small cities category. The City of York was selected for an award in the small cities program, which includes cities smaller than 100,000 in population. The 20 award-winning cities were determined by an independent panel of judges, selected by the U.S. Conference of Mayors.

###

{ Live. work. play in York. }

"TAKE 10 ON TUESDAY" IN THE CITY OF YORK

Back to list

6/26/2012 09:38 AM *Updated on: 6/26/2012 09:42 AM*

On February 1, 2011, Mayor Bracey and Downtown, Inc. held a press conference to announce "Take 10 on Tuesday" a new initiative aimed towards maintaining the cleanliness of York City, by encouraging all city residents and businesses to take 10 minutes every Tuesday to clean dirt, debris, and trash from the front of their homes and businesses.

Joining together as a community and simply taking 10 minutes out of your day to clean the front of properties will display the pride that we have for our community while making it vibrant and welcoming to all.

If interested in joining our efforts to keep York City beautiful, by organizing a "Take 10 on Tuesday" clean up day, please contact Edquina Washington, Director of Community Relations at 717-849-2200 or ewashington@yorkcity.org.

On June 14th, 2012, the City of York, PA was awarded the Honorable Mention City Livability Award by The U.S. Conference of Mayors for the "Take 10 on Tuesday" initiative. Click here to view the press release.

MCM #3

MCM #3 APPENDIX - TABLE OF CONTENTS

Attachment for 12A

City of York, PA
IDDE Priority Outfalls

Sub-Basin	Priority Outfall	Location Description	Reason for Designation	Notes	Notes	Potential Pollutant
Codorus Creek	tbd	245' N of W Philadelphia St bridge over the Codorus, on west bank	flow and visibility, history of public complaint	high visibility outfall and frequent fishing location that receives calls	NA	urban*
Hokes Mill	NA	NA	NA	no priority outfalls in sub-basin	NA	NA
Lightners Run	NA	NA	NA	no priority outfalls in sub-basin	NA	NA
Mill Creek	NA	NA	NA	no priority outfalls in sub-basin	NA	NA
Poorhouse Run	PHR2	main outfall where creek emerges from underground box culvert near City line	visibility, size of drainage area, continuous flow	captures flow of entire sub-basin	much of channel is underground	urban*
Tyler Run	NA	NA	NA	no priority outfalls in sub-basin	NA	NA
~~Willis Run~~	~~WR2~~	~~S side of bank at Roosevelt Av crossing~~	~~during initial field work there was some flow from street runoff~~	~~Ensure is not recurring: if not, remove from priority list to concentrate on other locations.~~	Removed from list: not a concern. York Water Company repaired water line leak.	NA
~~Willis Run~~	~~WR51~~	~~N bank on E side of N Beaver St crossing~~	~~flow during field inspection~~	~~receives flow from pond and springs north of city line~~	Removed from list: not a concern. Fecal coliform is from waterfowl, wildlife.	NA
~~Willis Run~~	~~WR54~~	~~rear of 516-520 N George St, on N bank~~	~~flow during field inspection~~	~~receives flow from pond and springs north of city line~~	Removed from list: not a concern. Fecal coliform is from waterfowl, wildlife.	NA
Willis Run	WR71	SE corner of Bull Rd & Vogelsong Rd	heavy sediment build-up outside of outfall, swale bank erosion	receives flow from township, road grit, incising		sediment
Willis Run	WR76	Appleway Rd & Roosevelt Av (rear of 1040 Roosevelt Av)	historic sediment deposition, erosion, pooling, poor flow	evaluate after joint York City and Manchester Township 2012 flow improvement project is complete.		sediment

* Where 'urban' refers to pollutants such as litter, substances from street runoff, automotive fluids, illegally dumped items, and similar pollutants, and does not include sediment, nitrogen or phosphorus.

Attachment for 12D

City of York, PA
2012-2013 ARY
Poorhouse Run and Mill Creek Outfall Inspection Summary

Outfall ID	1st Field Screening Date	2nd Field Screening Date	Flow Present [1,2]	Summary of Sample Results
MC1	9/12/2012	9/17/2012	spring present	iron-loving bacteria at spring seep immediately where dry channel exits municipal boundary
MC2	9/12/2012	9/17/2012		
MC3	9/12/2012	9/17/2012		
MCSG1	9/12/2012	9/17/2012		
MCSG2	9/12/2012	9/17/2012		
PHR1	9/13/2012	9/17/2012		
PHR2	9/13/2012	9/17/2012	yes	no issues
PHR10	9/13/2012	9/17/2012		
PHR11	9/13/2012	9/17/2012		
PHR12	9/13/2012	9/17/2012		
PHR13	9/13/2012	9/17/2012		
PHR14	9/13/2012	9/17/2012		
PHR30	9/13/2012	9/17/2012		
PHR31	9/13/2012	9/17/2012		
PHR32	9/13/2012	9/17/2012		
PHR35	9/13/2012	9/17/2012		
PHR36	9/13/2012	9/17/2012	yes	no issues
PHR38	9/13/2012	9/17/2012	yes	no issues
PHR40	9/13/2012	9/17/2012		
PHR41	9/13/2012	9/17/2012		
PHR44	9/13/2012	9/17/2012		
PHR45	9/13/2012	9/17/2012		
PHR47	9/13/2012	9/17/2012		
PHR48	9/13/2012	9/17/2012		
PHR50	9/13/2012	9/17/2012	yes	no issues
PHR51	9/13/2012	9/17/2012		
PHR54	9/13/2012	9/17/2012		
PHR55	9/13/2012	9/17/2012		
PHR56	9/13/2012	9/17/2012		
PHR57	9/13/2012	9/17/2012		
PHR60	9/13/2012	9/17/2012		
PHR62	9/13/2012	9/17/2012		
PHR64	9/13/2012	9/17/2012		
PHR66	9/13/2012	9/17/2012		

[1] Samples were obtained from flowing outfalls and tested for: pH, temperature, chlorine, copper (free, total and complexed), detergents/surfactants, phenol, and fecal coliform.
[2] Analyses were performed in the field with the exception of fecal coliform.

Attachment for 12D

City of York, PA
2012-2013 ARY
Poorhouse Run and Mill Creek Outfall Sampling Summary

Outfall	Sample Date	Parameter									Notes
		pH (SU)[1]	Temperature (C)[1]	Chlorine (mg/l)[2]	Copper (mg/l)[2]			Detergents & Surfactants (mg/l)[2]	Phenol (mg/l)[2]	Fecal Coliform (colonies/100ml)[3]	
					free	total	complexed				
PHR2	9/12/2012	8.1	19.4	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	1,700	vertebrates and macroinvertebrates present
PHR36	9/13/2012	7.2	19.9	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	14	vertebrates present
PHR38	9/13/2012	7.9	20.1	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	82	vertebrates present
PHR50	9/13/2012	8.1	23.2	1.0	non-detect	non-detect	non-detect	non-detect	non-detect	360	vertebrates present
PHR2	9/17/2012	8.2	19.9	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	2,800	vertebrates and macroinvertibrates present
PHR36	9/17/2012	7.3	19.7	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	9	vertebrates present
PHR38	9/17/2012	8.1	20.5	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	118	vertebrates present
PHR50	9/17/2012	8.0	20.3	non-detect	non-detect	non-detect	non-detect	non-detect	non-detect	49	vertebrates present

[1] pH and temperature tested in the field under PA registered laboratory ID 67-04977 (City of York Municipal Industrial Pretreatment Program).

[2] Chlorine, copper, detergents and surfactants, and phenol tested in the field using HACH kit colorimetric methods.

[3] Fecal coliform tested by contract laboratory, ALS Environmental, using method SM20-9222D.

Illicit Discharge Determination Form

1. Basic information:

Incident start: _____ (time) 1/8/2013 (date) Incident end: _____ (time) 1/8/2013 (date)

Incident Location/Address: PHR (Poor House Run) @ E. Boundary Ave

Weather during incident: Clear Cool

Time when the following observations were made: 445pm - 5:15pm Date: 1/8/2013

2. Who reported the event to the City of York? (please "✓" all that apply):

- ☐ Field survey screening by maintenance crews
- ☐ Field survey screening by illicit discharge inspector
- ☐ Call from maintenance crew (not field survey screening)
- ☐ Public call, email, public report to police desk
- ☐ Other City employee
- ☒ 911/County Control
- ☐ YCCD (York Co Conservation District)
- ☐ Susquehanna Riverkeeper
- ☒ Other: Public Call

3. Material discharged: (please"✓"all that apply).

- ☐ Paint
- ☐ Concrete
- ☐ Construction debris
- ☐ Medical wastes
- ☐ Food wastes
- ☐ Industrial wastes (solvents, metals, corrosives, cooling tower blowdown, etc)
- ☐ Concrete cutting slurry/washwater
- ☐ Vehicle cleaning washwater
- ☐ Building/sidewalk washwater
- ☐ Other washwater
- ☒ Sewage
- ☐ Automotive fluids (antifreeze, used motor oil, fuels, etc)
- ☐ Unknown material
- ☐ Other: _____

4. Amount of material discharged (i.e., 55 gallons, 18 pounds, 2 super sacks):

? (quantity) _____ (units)

5. Describe the material in terms of odor, color, turbidity, viscosity, pH, etc.

Water entering PHR @ PHR30 outfall. Turbidity in Creek (PHR)

6. The material was discharged to:

- ☐ Sanitary sewer
- ☒ Storm sewer, swale
- ☐ Body of water (creek, pond)
- ☐ Curb, street
- ☐ Soil
- ☐ Other (describe): _____

Additional Notes (i.e., fish kill, covered fowl, abnormal aquatic behavior, etc.): _____

7. Who responded to the event? (please "✓" all that apply):

☑ City Fire	☐ Parks and Recreation	☐ Other municipal Fire/Police
☐ City Police	☐ DEP	☐ Other (please list): _____
☐ MIPP	☐ YCEMA	
☑ Sanitary Sewer Maintenance	☐ PEMA	
☐ Highway Department	☑ Hazmat	

8. Describe the incident:

J. LONGSTREET REV'D CALL FROM CHIEF SHROYER @ 4:20 PM 1/8/2013.
REPORT OF "WHITE" WATER ENTERING PIPE @ BOUNDARY AVE.
J.L. ARRIVED ON SCENE @ 4:35 PM. OBSERVED TURBIDITY IN CREEK,
OPENED UP-PIPE SNS MH @ NW CORNER OF EDGAR ST. + E BOUNDARY AVE.
OBSERVED SMALL AMOUNT OF FLOW AND TOILET PAPER RESIDUE.
DUE TO TIME AND STAFFING CONSTRAINTS - INVESTIGATION POSTPONED TIL
1/9/13 AM.

9. What actions were taken?

INSPECTION OF SNS SYSTEM ON 1/9/13 FOUND THE SOURCE TO BE A BROKEN TCP SEWER LATERAL FROM CLINTON IND. SEE PHOTOS. CITY NOTIFIED PA ONE CALL FOR PLANNED EXCAVATION AND REPAIR DURING WEEK OF 1/14/13.

-REPAIRED ON 1/15/13

10. The source of the material was:

☐ Could not be identified	☐ Construction site
☑ Industrial / DOMESTIC WW	☐ Transportation/major auto accident
☐ Commercial	☐ Minor auto accident
☐ Residential	☐ Other (describe): _____

11. Which of the following best describes this event?

- ☐ This illicit discharge was abated (mitigated or terminated by action of responders).
- ☐ This illicit discharge is on-going and was previously reported. The ID number and date of previous discharge(s) are: _____
- ☐ Abatement not required.
- ☐ Not abated. *OTHER: BROKEN SERVICE LINE IS SCHEDULED FOR REPAIR

12. Which enforcement activities were conducted?

- ☐ Verbal Notice
- ☐ Warning Notice
- ☐ Administrative Action
- ☐ Administrative Action w/Penalty and/or Fine/Cost Recovery
- ☐ Legal Notice
- ☒ None

13. Were photographs taken?

☒ Yes ☐ No

If yes, location of digital files: _____

14. Were water samples taken?

☐ Yes ☒ No

If yes, Sample ID _____, and attach a copy of the chain of custody (and results when received).

15. Please provide additional information if known:

Watershed Name: PHR / CODORUS CREEK Outfall Number: PHR 30

Additional Comments/Notes: _____

16. Evaluator information:

Evaluator Name: JACK LONGSTREET Title: SUPT. SAN. SEWER MAINT.

Phone Number: 717-845-2794 E-mail: JLONGSTR@YORKCITY.ORG

Source In The City? ☑ Yes ☐ No ☐ Can not be determined

Affected The City? ☑ Yes ☐ No ☐ Not Applicable

Illicit Discharge? ☐ Yes ☐ No ☐ Can not be determined Database Record #: _____

Data entered into illicit discharge database on: _____ (date) by _____ (initials)

Illicit Discharge Investigation 1/8-9/2013

Location: Outfall PHR 30 at Boundary Ave. (under bridge NW)

Source: Determined to be from a broken TCP service lateral that passes through a 12" storm sewer pipe upstream of a SWS manhole at the NW corner of the Boundary Ave and Edgar St intersection. SWS manhole is approx. 225' up-pipe of Outfall PHR 30.

- From SWS Manhole: looking North into 12" SWS pipe to broken lateral.

- Looking West from SS MH

SWS Manhole and SWS Inlet looking North

SWS MH and SWS Inlet looking East
Damaged lateral is under SWS Inlet.

Lateral Repaired on 1/15/2013

Repaired lateral showing structure

Repaired lateral close-up

Attachment for 12D

Illicit Discharge 2012 Summary
City of York, PA

2012 Quarter	Number of Illicit Discharges	Pollutant*					Pollutant Source		Enforcement			Events Determined to Not Be Illicit Discharges	Investigated Events Outside of City of York Municipal Boundary
		Paint	Automotive Fluid	Concrete Cutting Slurry	Building Wash Water	Other	Identified	Not Identified	Abated Discharges	Verbal Notice	Administrative Action		
First	5	1	1	0	0	3	4	1	2	3	1	2	0
Second	6	0	1	1	1	3	1	5	4	0	1	2	2
Third	7	0	1	1	0	5	4	3	6	3	0	1	3
Fourth	4	1	2	0	0	1	2	2	3	0	0	1	2
Total	**22**	**2**	**5**	**2**	**1**	**12**	**11**	**11**	**15**	**6**	**2**	**6**	**7**
Percent		**9.1%**	**22.7%**	**9.1%**	**4.5%**	**54.5%**	**50.0%**	**50.0%**	**68.2%**	**27.3%**	**9.1%**		

*-Pollutant categories match those required by the illicit discharge inspection quarterly report of the MS4 NPDES permit Protocol.

Illicit Discharge Inspection Quarterly Summary Report

Municipality: City of York Contact Name: James E Gross, Director of Public Works

Reporting Period: [January – March] April – June July – September October – December

Year: 2012

I. Field Activities

1. *Describe field surveys.*	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)
Number of screening points	0	0	0	0
Channel Miles	0	0	0	0

2. *List how many discharges were identified by the following methods.* Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:
- 0 identified by maintenance crews
- 0 identified by illicit discharge inspectors

b. Calls from:
- 0 maintenance crews
- 1 other agencies
- 4 public

3. *List the number of times the following materials were identified.*

1 Paint	____ Concrete Cutting Slurry/Washwaters
____ Concrete	____ Vehicle Cleaning Washwaters
____ Construction Debris	____ Building/Sidewalk Washwaters
____ Medical Wastes	____ Other Washwaters
____ Food Wastes	____ Sewage
____ Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)	1 Automotive Fluids (antifreeze, used motor oil, fuels, etc.)

3 Other (describe): sediment, gypsum, water-soluble glue

II. Follow-up Activities

1. *Describe whether sources of discharges were identified.*
- 4 Number of sources that were identified
- 1 Number of incidents when source of discharge was not identified

2. *Describe whether discharges were abated.* (3 events were short-lived and could not be abated)
- 2 Number of discharge incidents that were abated.
- 0 Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)
- 0 Number of continuing discharges that have already been reported in previous quarter(s).

3. *Describe enforcement activities conducted.*

3 Verbal Notice	0 Warning Notice
1 Administrative Action	0 Administrative Action w/ Penalty/Cost Recovery
0 Legal Action	

Not included are 2 events determined to not be illicit discharges: paint spilled on private property, and potable water discharge due to utility work.

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities.* by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998, and slightly modified by the City of York, 2010.

Illicit Discharge Inspection Quarterly Summary Report

Municipality: City of York Contact Name: James E Gross, Director of Public Works

Reporting Period: January – March [April – June] July – September October – December

Year: 2012

I. Field Activities

1. *Describe field surveys.*	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)
Number of screening points	0	0	0	0
Channel Miles	0	0	0	0

2. *List how many discharges were identified by the following methods.* Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:
- 0 identified by maintenance crews
- 0 identified by illicit discharge inspectors

b. Calls from:
- 0 maintenance crews
- 6 other agencies
- 0 public

3. *List the number of times the following materials were identified.*
- ___ Paint
- ___ Concrete
- ___ Construction Debris
- ___ Medical Wastes
- ___ Food Wastes
- ___ Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)
- 3 Other (describe): unknown substance, probable diesel fuel, home heating oil
- 1 Concrete Cutting Slurry/Washwaters
- ___ Vehicle Cleaning Washwaters
- 1 Building/Sidewalk Washwaters
- ___ Other Washwaters
- ___ Sewage
- 1 Automotive Fluids (antifreeze, used motor oil, fuels, etc.)

II. Follow-up Activities

1. *Describe whether sources of discharges were identified.*
- 1 Number of sources that were identified
- 5 Number of incidents when source of discharge was not identified

2. *Describe whether discharges were abated.* (1 not abatable, 1 rainfall event occurred before abatement could take place)
- 4 Number of discharge incidents that were abated.
- 0 Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)
- 0 Number of continuing discharges that have already been reported in previous quarter(s).

3. *Describe enforcement activities conducted.*
- ___ Verbal Notice
- 1 Administrative Action (referred to PADEP)
- ___ Legal Action
- ___ Warning Notice
- ___ Administrative Action w/ Penalty/Cost Recovery

Not included area: 2 illicit discharges outside of City limits investigated by City of York (1 N. York Boro., 1 W. Manchester Twp.); 1 event determined to not be an illicit discharge (covered under construction NPDES permit).

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998, and slightly modified by the City of York, 2010.

Illicit Discharge Inspection Quarterly Summary Report

Municipality: City of York, PA Contact Name: James E Gross, Director of Public Works

Reporting Period: January – March April – June July – September October – December

Year: 2012

I. Field Activities

1. *Describe field surveys.*	Industrial Areas	Commercial Areas	Residential Areas	Other (mixed urban, open space)
Number of screening points				33
Channel Miles				1.89

2. *List how many discharges were identified by the following methods.* Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:
- 0 identified by maintenance crews
- 0 identified by illicit discharge inspectors

b. Calls from:
- 0 maintenance crews
- 3 other agencies
- 4 public

3. *List the number of times the following materials were identified.*
- 0 Paint
- 0 Concrete
- 0 Construction Debris
- 0 Medical Wastes
- 0 Food Wastes
- 0 Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)
- 1 Concrete Cutting Slurry/Washwaters
- 0 Vehicle Cleaning Washwaters
- 0 Building/Sidewalk Washwaters
- 0 Other Washwaters
- 0 Sewage
- 1 Automotive Fluids (antifreeze, used motor oil, fuels, etc.)
- 5 Other (describe): soil, oily substance, grass clippings

II. Follow-up Activities

1. *Describe whether sources of discharges were identified.*
- 4 Number of sources that were identified
- 3 Number of incidents when source of discharge was not identified

2. *Describe whether discharges were abated.*
- 6 Number of discharge incidents that were abated.
- 0 Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)
- 0 Number of continuing discharges that have already been reported in previous quarter(s).

3. *Describe enforcement activities conducted.*
- 3 Verbal Notice
- 0 Warning Notice
- 0 Administrative Action
- 0 Administrative Action w/ Penalty/Cost Recovery
- 0 Legal Action

Not included are: 3 events located outside the City of York; one event that was not an illicit discharge; and, one event where an illicit discharge determination could not be made (vehicle in Kiwanis Lake after striking fixed object).

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities.* by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998, and slightly modified by the City of York, 2010.

Illicit Discharge Inspection Quarterly Summary Report

Municipality: City of York, PA Contact Name: James E Gross, Director of Public Works

Reporting Period: January – March April – June July – September [October – December]

Year: 2012

I. Field Activities

1. *Describe field surveys.*	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)
Number of screening points	0	0	0	0
Channel Miles	0	0	0	0

2. *List how many discharges were identified by the following methods.* Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:
- 0 identified by maintenance crews
- 0 identified by illicit discharge inspectors

b. Calls from:
- 1 maintenance crews
- 3 other agencies
- 0 public

3. *List the number of times the following materials were identified.*
- 1 Paint
- ____ Concrete
- ____ Construction Debris
- ____ Medical Wastes
- ____ Food Wastes
- ____ Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)
- 1 Other (describe): Soil
- ____ Concrete Cutting Slurry/Washwaters
- ____ Vehicle Cleaning Washwaters
- ____ Building/Sidewalk Washwaters
- ____ Other Washwaters
- ____ Sewage
- 2 Automotive Fluids (antifreeze, used motor oil, fuels, etc.)

II. Follow-up Activities

1. *Describe whether sources of discharges were identified.*
- 2 Number of sources that were identified
- 2 Number of incidents when source of discharge was not identified

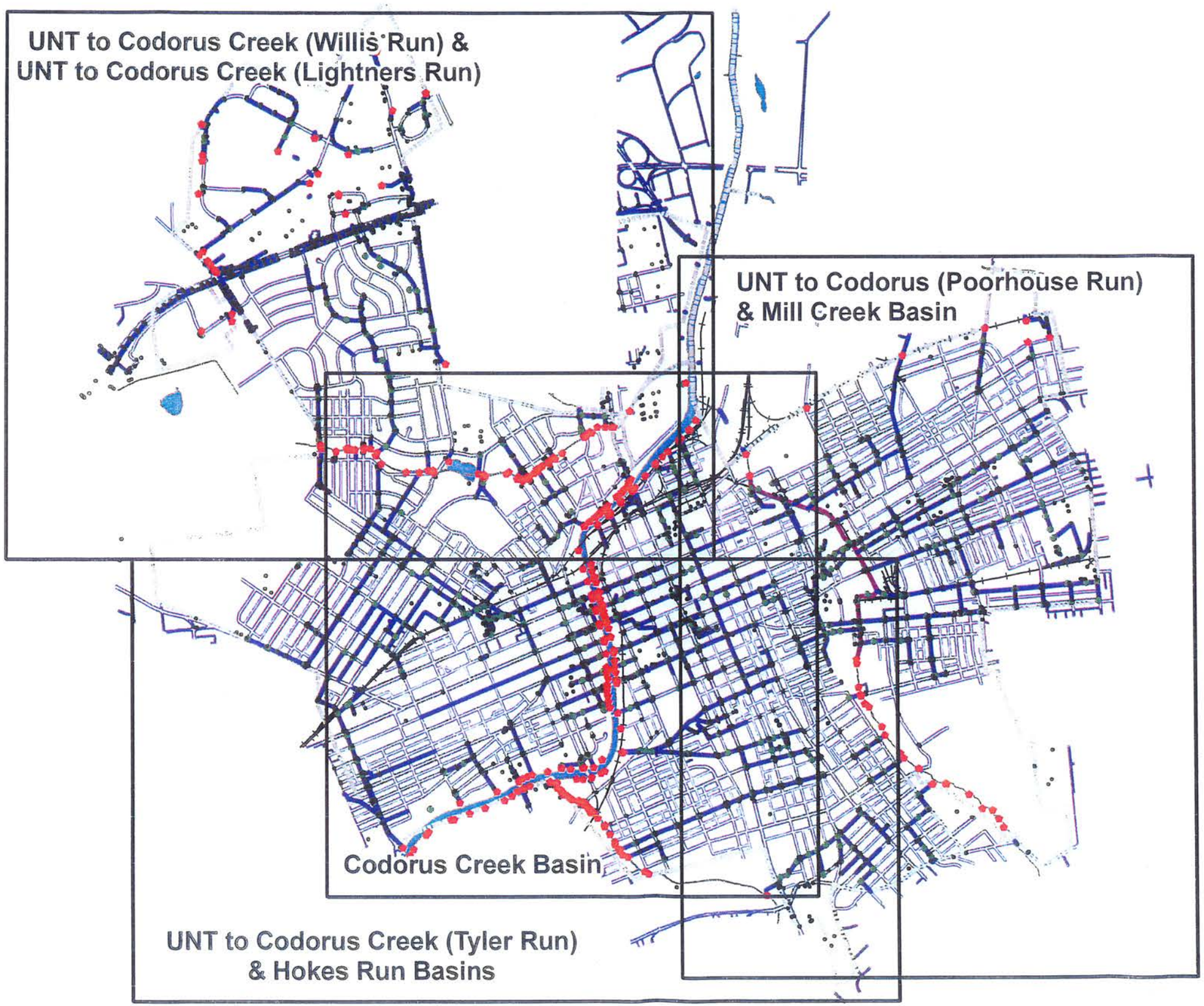
2. *Describe whether discharges were abated.*
- 3 Number of discharge incidents that were abated.
- 0 Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)
- 0 Number of continuing discharges that have already been reported in previous quarter(s).

3. *Describe enforcement activities conducted.* *(one referred to YCCD, one to be enforced by police under vehicle code)*
- 0 Verbal Notice
- 0 Warning Notice
- 0 Administrative Action
- 0 Administrative Action w/ Penalty/Cost Recovery
- 0 Legal Action

Not included are: 2 events located outside the City of York; and, one event that was not an illicit discharge. City staff also assisted an industrial facility outside of the jurisdiction comply with stormwater regulations for a proposed outdoor truck wash operation.

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities*, by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998, and slightly modified by the City of York, 2010.

City of York Pennsylvania
MS4 Stormwater System

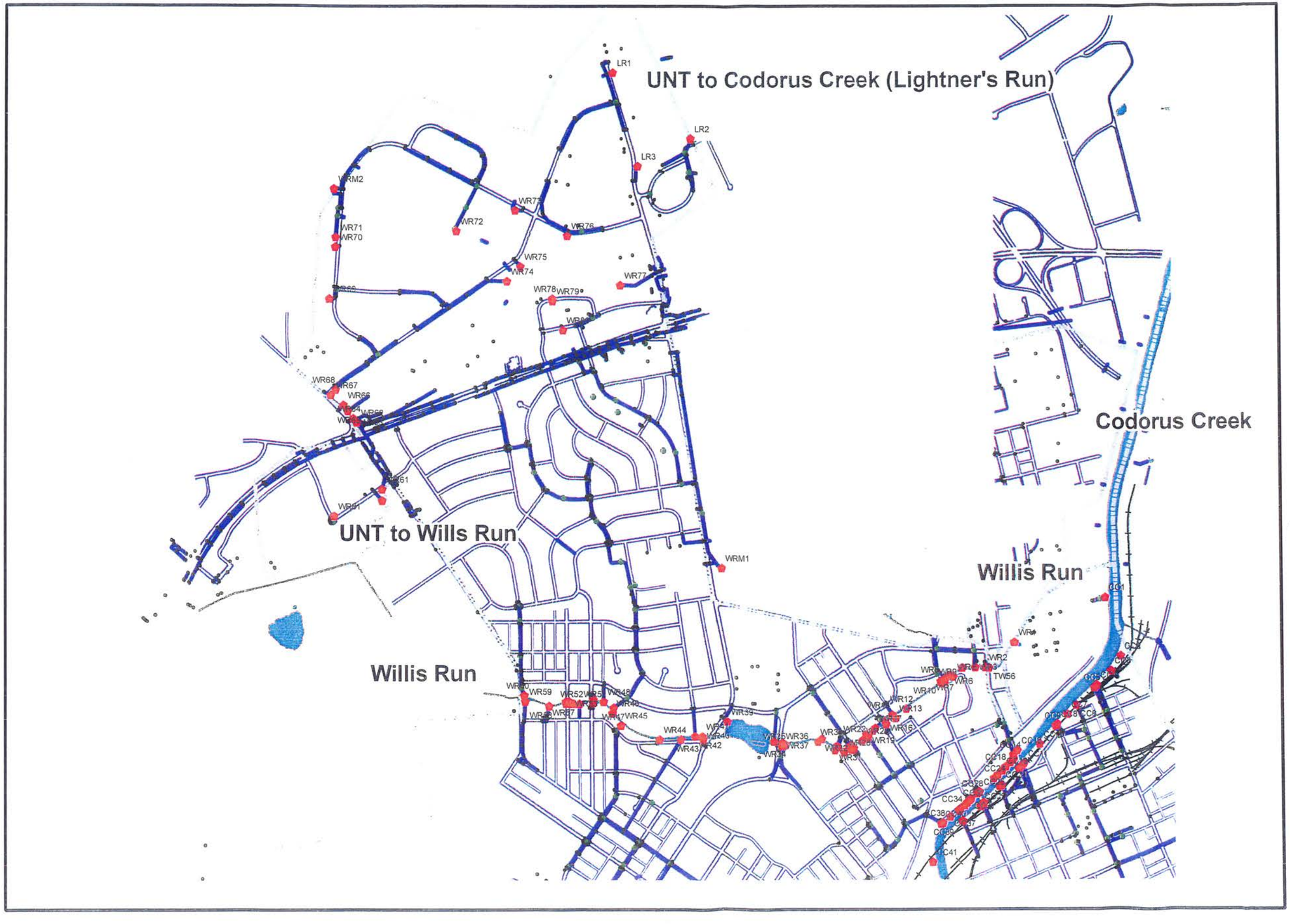


Legend

- Outfalls
- Drainage Structure
- SW Manholes
- Stormlines
- Poorhouse Run Channel
- City Line
- Railroad
- Pavement Edge
- Water Feature

0 1,000 2,000 4,000 Feet

City of York Pennsylvania
MS4 Stormwater System - Willis Run and UNT to Codorus (Lightners Run)



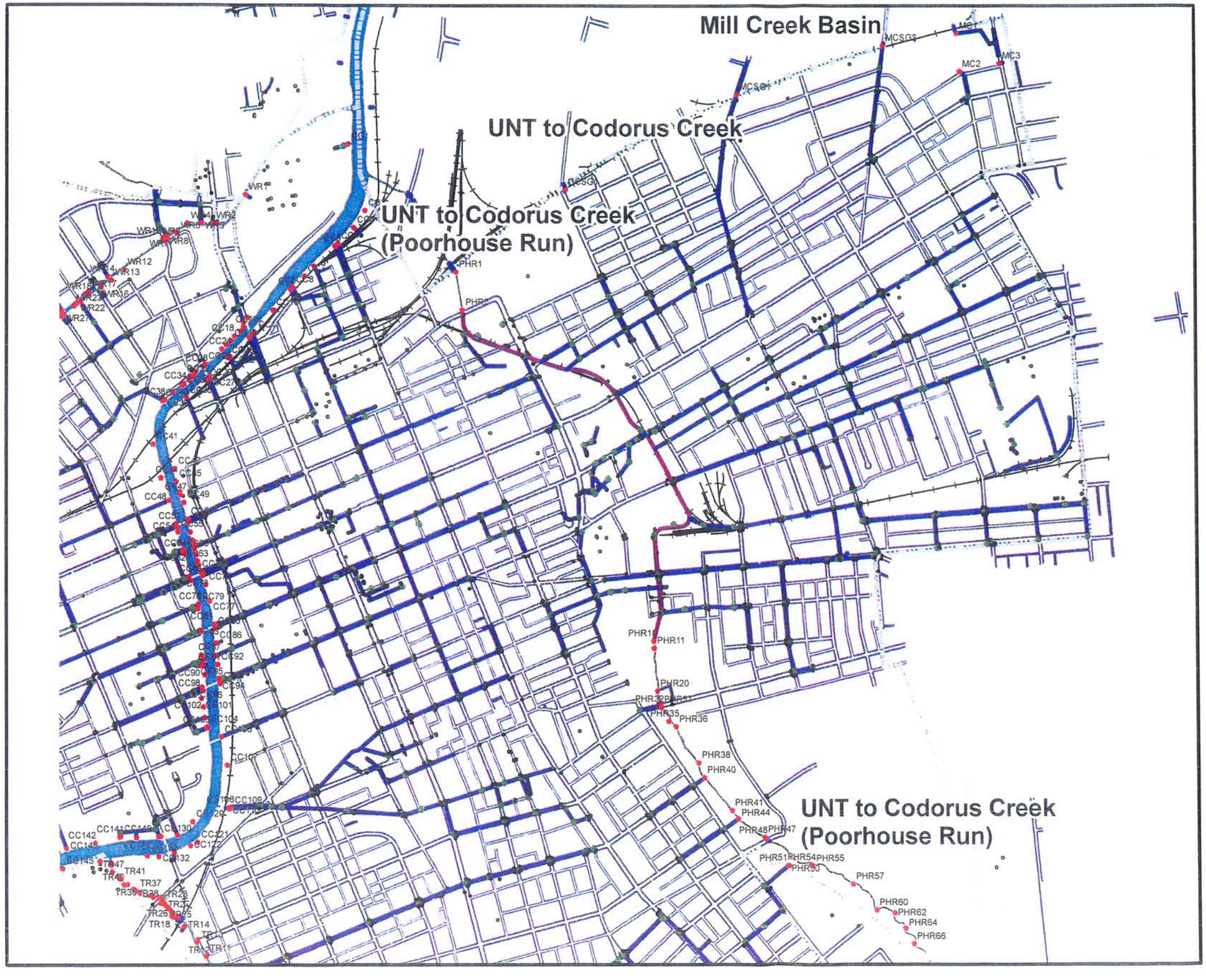
Legend

- Outfalls
- Drainage Structure
- SW Manholes
- Stormlines
- Poorhouse Run Channel
- City Line
- Railroad
- Pavement Edge
- Water Feature

0 500 1,000 2,000 Feet

City of York Pennsylvania
MS4 Stormwater System - UNT to Codorus Creek (Tyler Run) & Hokes Run Basins

City of York Pennsylvania
MS4 Stormwater System - UNT to Codorus Creek (Poorhouse Run) and Mill Creek



N
W E
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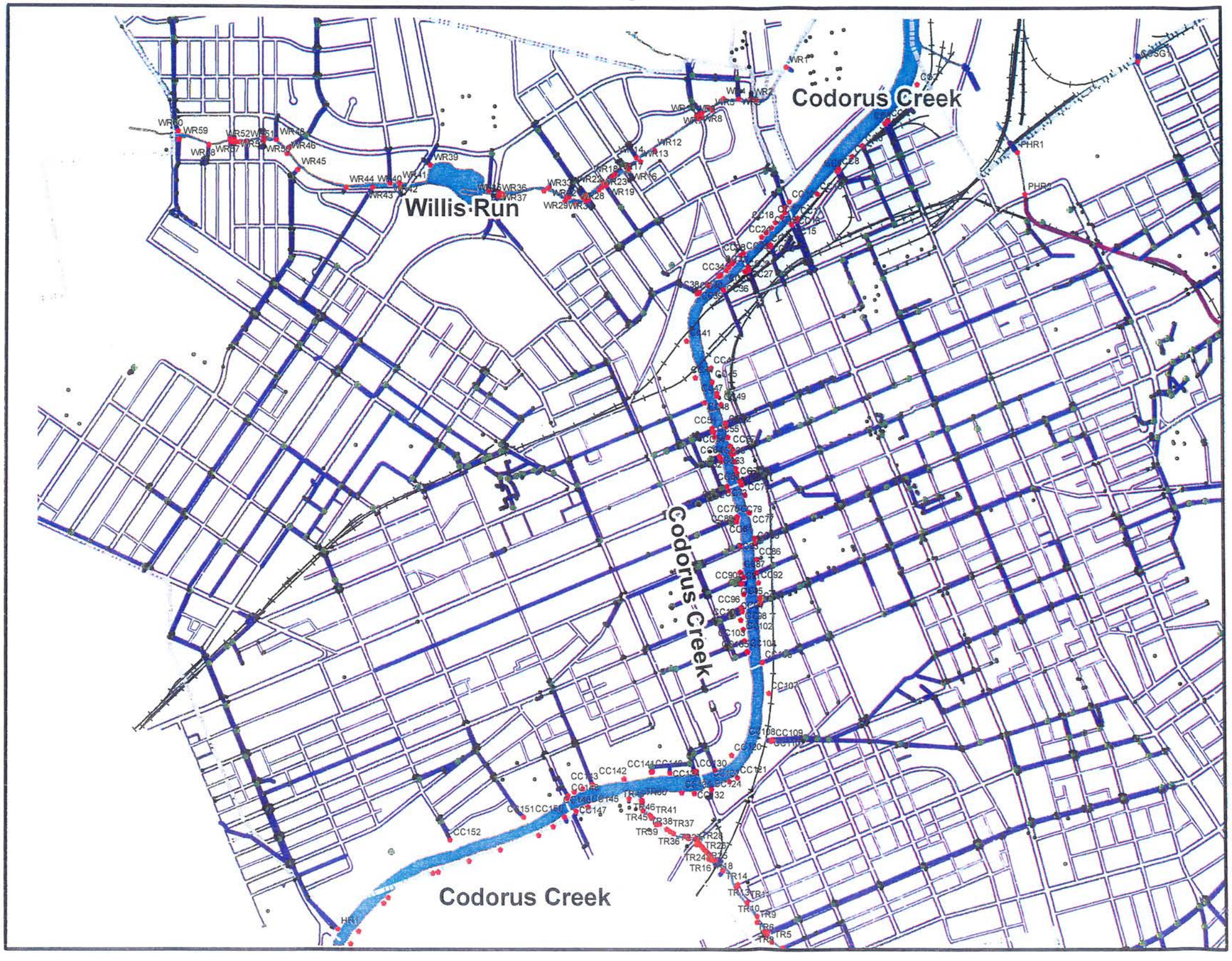
Legend

- Outfalls
- Drainage Structure
- SW Manholes
- Stormlines
- Poorhouse Run Channel
- City Line
- Railroad
- Pavement Edge
- Water Feature

0 500 1,000 2,000 Feet

City of York Pennsylvania
MS4 Stormwater System - Codorus Creek Basin



N
W E
S

Legend

- Outfalls
- Drainage Structure
- SW Manholes
- Stormlines
- Poorhouse Run Channel
- City Line
- Railroad
- Pavement Edge
- Water Feature

0 500 1,000 2,000 Feet

MCM #4

MCM #4 APPENDIX - TABLE OF CONTENTS

MCM#4 Table for 14B

YORK COUNTY CONSERVATION DISTRICT INSPECTION REPORT SUMMARY
CITY OF YORK - MS4 ANNUAL REPORT MCM#4

Insp. Date	Project Name	Permit #	Phase of Construction	Type of Inspection	Findings	Action Taken	Inspection Report #	# of Violations
5/24/12	Royal Farms - Loucks Rd.	PAG2006710013	Construction	Routine Complete	Non-Compliant	E&S and PCSM Plan requested. Correct Four(4) violations.	2	4
7/18/12	Royal Farms - Loucks Rd.	PAG2006710013	Construction	Routine Complete	Non-Compliant	E&S and PCSM Plan requested. Correct one(1) violation	3	1
8/9/12	Smurfit-Stone Annex Warehouse	PAG2006709065	Construction	Complaint	Non-Compliant	Correct four (4) violations	3	4
8/24/12	Poorhouse Run Interceptor	PAG2006707024	Post Construction	Final	Compliant	Request Notice of Termination of Permit	2	
8/28/12	City of York Business Office	PAG2006708073	Construction	Routine Complete	Compliant	None	2	
9/26/12	Smurfit-Stone Annex Warehouse	PAG2006709065-1	Construction	Follow-up	Non-Compliant	Correct two(2) violations	4	2
9/26/12	Royal Farms - Loucks Rd.	PAG2006710013	Construction	Follow-up	Compliant	None	4	
9/26/12	George Street Commons	PAG2006712003	Pre-construction	Pre-con				
10/3/12	The Homes at Thackston Park	PAG2006710024	Pre-construction	Pre-con				
10/24/12	Royal Farms - Loucks Rd.	PAG2006710013	Post Construction	Routine Complete	Non-Compliant	Correct two(2) violations	5	2
10/24/12	George Street Commons	PAG2006712003	Construction	Routine Complete	Compliant	None	1	
10/24/12	Smurfit-Stone Annex Warehouse	PAG2006709065-1	Construction	Follow-up	Compliant	None	5	
10/24/12	Chick-fil-A Loucks Rd	PAG2006712007	Pre-construction	Pre-con				
11/20/12	Chick-fil-A Loucks Rd	PAG2006712007	Construction	Follow-up	Non-Compliant	Correct one (1) violation	1	1
12/5/12	Chick-fil-A Loucks Rd	PAG2006712007	Construction	Follow-up	Compliant	None	2	
12/12/12	The Homes at Thackston Park	PAG2006710024	Construction	Follow-up	Non-Compliant	Correct four (4) violations	1	4
12/12/12	George Street Commons	PAG2006712003	Construction	Routine Complete	Non-Compliant	Correct two(2) violations	2	2
1/8/13	George Street Commons	PAG2006712003	Construction	Follow-up	Compliant	None	3	
2/12/13	The Homes at Thackston Park	PAG2006710024	Construction	Follow-up	Compliant	None	2	
2/26/13	Helen Thackston Charter Mid.Scho	N/A	Construction	Complaint	Non-Compliant	E&S Plan Requested. Correct two(2) violations	1	2
								22

YCCD Construction Inspection/Site Program Metrics Program Year: 2012-2013	
Number of Sites continued from previous year	2
Number of Construction Sites begun	5
Number of Construction Sites Inspected	8
Number of Inspection Conducted: Pre-Con.	3
Number of Inspections Conducted: Cons.	15
Number of Inspection Conducted: Post-Con.	2
Number of Inspections found with Violations	9
Number of Violations	22
Number of Violations per Non-comp. Insp. (av	2.4
Number of Construction Sites completed	2
Rate of Non-Compliance for All Inspections	47%
Rate of Non-Compliance for All Sites	75%

Construction Site Inventory Program Year: 2012-2013	Area of Disturbance (acre)	Cons. Status
Bantz Park Kayak Parking Area		Active
Chick-fil-A	1	Active
City of York Business Office	3.4	Active
George Street Commons	1.75	Active
Helen Thackston Charter Middle School		Active
Lofts at Ribbon Place		Active
Smurfit-Stone Annex Warehouse	2.5	Active
Stillmeadow Church of the Nazarene		Active
The Homes at Thackston Park	5	Active
Catholic Harvest Pantry		Complete
Crispus Attucks South Court St Parking Lot	0.595	Complete
Gold Star Peace Garden at Mem. Park	0.73	Complete
North George St Traffic Calming		Complete
Pennex Aluminium		Complete
Poorhouse Run Interceptor Project	1.94	Complete
Protec Powder Coatings		Complete
York Day Nursery		Complete
Royal Farms	2.14	Complete

MCM #4 Table for 14B

SUMMARY TABLE OF C.S. DAVIDSON CONSTRUCTION INSPECTIONS FOR THE CITY OF YORK

CITY OF YORK - MS4 ANNUAL REPORT MCM #4

Project Name	Project Location	Period Inspected	Number of Inspections	Number of Deficiencies	Percentage of Deficiencies
Homes at Thackston Park	31 South Broad Street, York, PA 17403	1/07/2013 through 3/15/2013	11	0	0.00
Thackston Charter School	625 East Market Street, York, PA 17403	3/08/2013 through 3/14/2013	4	1	25.00
George Street Commons	231 South George Street, York, PA	1/07/2013 through 3/04/2013	18	1	5.56
Chick Fil A	922 loucks Road, York, PA 17404	1/07/2013 through 3/13/2013	14	0	0.00
Catholic Harvest Food Pantry	628 East Market Street, York, PA 17403	1/8/2013	1	0	0.00
		Total	48	2	4.17

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

ATTACHMENT FOR 14C
ON WEBSITE

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

What is Storm Water?

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

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 impact 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

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

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

DEP Fact Sheet

Commonwealth of Pennsylvania • Department of Environmental Protection

MINIMIZING ACCELERATED SOIL EROSION AND PREVENTING SEDIMENT POLLUTION

WHAT IS SOIL EROSION?

Erosion is a natural process by which the surface of the land is worn away by water, wind or chemical action.

Accelerated erosion is the removal of the surface of the land through the combined action of human activities and natural processes at a rate greater than would occur from natural processes alone.

IS SEDIMENT REALLY A POLLUTANT?

A certain amount of erosion and sediment occurs naturally. Because it is a natural process, nature is able to assimilate naturally occurring sediments without permanent adverse effects. Adverse effects most often result from accelerated erosion due to earth disturbance activities such as surface mining, agricultural plowing and tilling, construction, and timber harvesting operations.

Why is sediment pollution harmful?

- Fish have gills which extract oxygen from the water. These gills can become clogged when the water transports excessive amounts of sediment.
- Sediment can cover fish eggs and the gravel nests they rest in.
- Sediment can destroy the food supply for many species of fish by covering aquatic insect habitat on the stream bottom.
- Sediment clouds the water and deprives plants of light needed for photosynthesis. This is thought to be the primary cause of the widespread die-off of aquatic vegetation in the Chesapeake Bay.
- Sediment may carry other pollutants such as heavy metals, pesticides and excess nutrients that are spread by water action and cause problems not only at the source, but also downstream.
- Sediment loads in our waterways often result in eroded and unstable streambanks.
- Sediment increases public drinking water treatment costs or may render unfiltered drinking water supplies harmful for consumption.
- Excess sediment deposits in streams and rivers may necessitate the dredging of a reservoir or other body of water.

HOW IS EROSION AND SEDIMENT CONTROL REGULATED?

Because of the soil erosion problems associated with earth disturbance activities, the Pennsylvania Environmental Quality Board (EQB) approved statewide regulations for Erosion and Sediment Control, 25 Pa. Code Chapter 102 in September of 1972 and amended them on January 1, 2000. These regulations are authorized by the Pennsylvania Clean Streams Law, 35 P.S. §§691.1 *et seq.*, and prohibit the discharge of any pollutant to waters of the Commonwealth. Under the Chapter 102 regulations, anyone conducting earth disturbance activities must use Best Management Practices (BMPs) to minimize the amount of sediment leaving the earth disturbance activity.

DEP is responsible for the administration and enforcement of Chapter 102 regulations and the Clean Streams Law. County conservation districts with trained staff are delegated the responsibility to review Erosion and Sediment Control Plans, conduct training, perform site inspections, and in some cases, conduct compliance and enforcement actions. Every county in Pennsylvania has a county conservation district office except Philadelphia County.

WHAT IS REQUIRED?

An Erosion and Sediment Control Plan (Plan), which meets the requirements of Chapter 102, must be properly designed, implemented, and available on site for all earth disturbance activities. The Plan must show how land and water resources are to be protected against accelerated erosion through the use of Best Management Practices. Examples of BMPs include: minimizing earth disturbance, silt fence, mulch, diversion ditches, sediment traps, sediment basins, and the establishment of grasses or other BMPs for permanent stabilization. The Plan must show the site, location of BMPs, and the timing and sequence of their installation for maximum effectiveness. County conservation districts are able to provide guidance for Plan development. Once completed, the Plan is often submitted to the

conservation district for review. Guidance for preparing a Plan, as well as various BMP's that meet Chapter 102 requirements, can be found in the department's "Erosion and Sediment Pollution Control Program Manual" (363-2134-008).

With the exception of agricultural plowing and tilling, timber harvesting and road maintenance activities, projects that disturb five or more acres of land, and those projects that disturb one to less than five acres of land and have a point source discharge to surface waters of the Commonwealth, must obtain an NPDES (National Pollutant Discharge Elimination System) Permit before commencing any earth disturbance. For more information regarding this permit, please refer to the DEP Fact Sheet "NPDES Permits for Stormwater Discharges Associated With Construction Activities" (3930-FS-DEP3042), or contact one of the offices listed at the end of this fact sheet.

Timber harvesting activities that disturb 25 acres or more of land for haul roads, skid trails, and landing areas; and road maintenance activities disturbing 25 acres or more of land, must obtain an Erosion and Sediment Control Permit. Agricultural plowing or tilling activities are exempt from permit requirements, but still require the development of a Plan or conservation plan, which specifies the implementation and maintenance of BMPs. For more information on plans for agricultural plowing or tilling, please refer to DEP Fact Sheet "Sediment and Erosion Control Requirements for Farming Operations" (3930-FS-DEP2416) or contact one of the offices listed at the end of this fact sheet.

Conservation districts and DEP staff conduct periodic inspections of earth disturbance activities to ensure that erosion and sediment control plans are properly implemented and maintained. In addition, permittees, or anyone who conducts earth disturbance activities, must conduct routine site inspections and maintenance to ensure that BMPs are operational and effective and to minimize the potential for sediment pollution or other off-site impacts.

WHAT CAN YOU DO?

Proper planning and use of BMPs is the key to a successful project and the protection of the Commonwealth's water resources. Before you begin your project, become familiar with the erosion and sediment control requirements. Inform your contractor or equipment operator of the need for Erosion and Sediment Control Plans or NPDES permits as part of the project. If you need assistance or more information, contact your local county conservation district or a DEP regional office.

If sediment pollution is occurring, or if there is evidence that sediment pollution has occurred due to an on-going earth disturbance activity, contact the conservation district for the county where the project is located. You will need to provide the location, type of activity, name of the project (if known), and whether sediment pollution is occurring.

For more information, visit DEP's Web site at www.depweb.state.pa.us, Keyword: "DEP Erosion Control"

or contact:

Your local county conservation district office

or

One of DEP's Regional Offices:

Southcentral Region
909 Elmerton Avenue
Harrisburg, PA 17110
717-705-4707

Northcentral Region
208 West Third Street
Williamsport, PA 17701
570-327-3574

Southeast Region
2 East Main Street
Norristown, PA 19401
484-250-5970

Northeast Region
2 Public Square
Wilkes-Barre, PA 18711
570-826-2511

Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222
412-442-4000

Northwest Region
230 Chestnut Street
Meadville, PA 16335
814-332-6984

or

Department of Environmental Protection
Bureau of Watershed Management
Division of Waterways, Wetlands and Stormwater Management
P.O. Box 8775
Harrisburg, PA 17105-8775
717-787-6827

Commonwealth of Pennsylvania
Edward G. Rendell, Governor

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Department of Environmental Protection
Kathleen A. McGinty, Secretary
3930-FS-DEP1841 11/2005

Fact Sheet

Commonwealth of Pennsylvania • Department of Environmental Protection

NPDES PERMITS FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

BACKGROUND

In 1990, the US Environmental Protection Agency (EPA) promulgated federal National Pollutant Discharge Elimination System (NPDES) regulations for stormwater discharges under the Clean Water Act. These regulations, among other discharge requirements, established the federal Phase I NPDES stormwater discharge program which requires permit coverage for all operators of large construction activities proposing to disturb five or more acres of land. Effective October 10, 1992, operators of large construction activities required NPDES permit coverage in Pennsylvania for such activities. In December 1999, EPA promulgated NPDES Phase II regulations that require permit coverage for small construction activities that disturb one to less than five acres, which result in a point source discharge to waters of the United States. Effective December 7, 2002, the Pennsylvania Department of Environmental Protection (DEP) integrated the federal Phase II NPDES requirements into the existing Pennsylvania Phase I NPDES permit for stormwater discharges associated with construction activities (NPDES Construction Permit). An important distinction between Phase I and II is that the small construction activities only require permit coverage when the activity disturbs one to less than five acres and will result in a point source discharge to surface waters of the commonwealth.

NPDES CONSTRUCTION PROGRAM ADMINISTRATION

The DEP primarily administers the NPDES Construction Permit Program through delegation agreements with the county conservation districts (Districts). Districts process and authorize the permit coverage, conduct site inspections, respond to complaints, and in certain circumstances, conduct enforcement actions. If a district is not delegated, the appropriate DEP regional office administers the program.

NPDES CONSTRUCTION PERMIT REQUIREMENTS

Applicable Pennsylvania state regulations found at 25 Pa. Code include Chapter 92, National Pollutant Discharge Elimination System; Chapter 93, Water Quality Standards; and Chapter 102, Erosion and Sediment Control. These chapters provide the primary regulatory authority for implementing the federal NPDES requirements within the commonwealth. Chapter 92 regulations provide for the development and use of individual and general NPDES permits, applications and Notice of Intent (NOI), and describes the public participation and other requirements. Chapter 93 regulations identify the water quality standards that must be met, including those for special protection waters. Chapter 102 regulations provide the requirements for the development and implementation of Erosion and Sediment Control (E&S) Plans for earth disturbance activities.

For purposes of the Phase II NPDES Construction Permit the following definitions apply:

Point Source: *Any discernible, confined and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stack, concentrated animal feeding operation (CAFO), landfill leachate collection system, or vessel or floating craft, from which pollutants are or may be discharged.*

Surface Waters of the Commonwealth: *Any and all rivers, streams, creeks, rivulets, impoundments, ditches, watercourses, storm sewers, lakes, dammed water, ponds, springs, wetlands and all other bodies or channels of conveyance of surface water, or parts thereof, whether natural or artificial, within or on the boundaries of this commonwealth.*

A point source discharge to surface waters of the commonwealth is a distinct conveyance used to transport stormwater from a construction site to a surface water. Some examples where NPDES Construction Permit coverage will generally be required include, but are not limited to, sediment trap outfalls and spillways, sediment basin outfalls and spillways, conveyance channels, ditches, stormwater systems, pipes, etc., having a discharge to surface waters.

NPDES GENERAL PERMITS – PAG-2

This NPDES general permit can be used for most construction activities that require authorization under either Phase I or Phase II. Some activities that are not eligible for coverage under the general permit include:

1. Activities in special protection watersheds;
2. Activities prohibited from coverage under 25 Pa. Code Chapter 92; and
3. Activities otherwise listed in the PAG-2 General Permit as ineligible.

The NOI for a NPDES general permit should be submitted to the district at least 30 days prior to the anticipated start date of a project to ensure adequate time for reviewing and processing. Processing time for general permits is largely dependant upon the complexity and thoroughness of the application and erosion and sediment control plan. For large or complex projects, it is recommended that the application be submitted several months before the anticipated starting date.

NPDES INDIVIDUAL PERMITS

Operators of earth disturbance activities that do not qualify for a general permit may apply for an individual NPDES permit for Stormwater Discharges Associated with Construction Activities. An individual permit application and accompanying documents must be submitted to the appropriate district or DEP regional office, reviewed and approved before earth disturbance activities begin. The DEP regional office will make the final determination to issue or deny the permit. To ensure adequate processing time and compliance with the required public notice process and program coordination, applicants should allow at least 90-120 days for the processing of an individual permit application.

The department recommends that a preapplication meeting be held between the applicant, consultant, district and DEP staff for complex projects to ensure quality plan submittals.

All projects must demonstrate that the Best Management Practices (BMPs) utilized will protect and maintain water quality designated and existing uses in accordance with the antidegradation requirements of Chapter 93. The E&S Plan must include measures that will promote the maintenance and protection of existing water quality and its uses.

PERMIT COVERAGE AND APPROVALS

Persons conducting construction activities may not begin earth disturbance activities until after they receive their notice of permit coverage under the PAG-2 or the individual permit.

EROSION AND SEDIMENT CONTROL (E&S) PLANS

NPDES Construction Permits emphasize pollution prevention through the use of erosion and sediment control BMPs. Guidance for preparing an E&S plan, as well as BMP specifications that meet the Chapter 102 requirements, can be found in the department's "Erosion and Sediment Pollution Control Program Manual" (363-2134-008). The 25 Pa. Code Chapter 102 regulations also identify 11 components that each E&S plan must contain. Since this is a BMP driven program, narrative based effluent limits rather than specific numeric effluent limits are included in the permit; water quality sampling is normally not required.

POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

A PCSM plan must be prepared and implemented to identify the BMPs to be installed to manage and treat the stormwater discharge protecting water quality after construction activities are terminated. Such BMPs should be designed to maximize infiltration technologies, eliminate (where possible) or minimize point source discharges to surface waters, preserve the integrity of stream channels, and protect the physical, biological and chemical qualities of the receiving surface water. Some counties have adopted Act 167 Stormwater Management Plans that incorporate measures to protect and maintain existing uses and to protect and maintain water quality in order to maintain those existing uses. Some municipalities control stormwater discharges through a Municipal Separate Storm Sewer System (MS4) NPDES Permit. In these areas where such plans exist and are supported by local ordinances, the applicant must design the PCSM plan in accordance with these ordinances. Permittees and co-permittees are responsible for proper installation of the PCSM plan BMPs prior to the submission of the Notice of Termination of this Permit. For more information on PCSM plans please refer to the DEP Comprehensive Stormwater Management Policy (392-0300-002). The department will presume that permittees utilizing the PCSM plan approach outlined in the NOI at Section E, demonstrate that the post construction BMPs utilized will protect and maintain water quality designated and existing uses in accordance with the antidegradation requirements of Chapter 93.

PREPAREDNESS, PREVENTION, & CONTINGENCY (PPC) PLANS

If the potential exists for causing accidental pollution of air, land, or water, or for causing endangerment of public health and safety through accidental release of toxic, hazardous, or other polluting materials, the permittee or co-permittee must develop a PPC plan. The PPC plan shall be developed in accordance with department regulations at 25 Pa. Code Section 91.33 and 91.34. The PPC plan shall identify areas which may include, but are not limited to, waste management areas, raw material storage areas, temporary and permanent spoils storage areas, maintenance areas, and any other areas that may have the potential to cause non-compliance with the terms and conditions of this permit due to the storage, handling, or disposal of any toxic or hazardous substances such as oil, gasoline, pesticides, herbicides, solvents, etc. BMPs shall be developed and implemented for each identified area. The PPC plan shall be maintained on site at all times and shall be made available for review at the department's or authorized county conservation district's request. For more information on PPC plans please refer to the DEP technical guidance document, "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (400-2200-001).

WHO IS THE RESPONSIBLE PARTY?

The **operator** of the construction activity is responsible for obtaining the NPDES stormwater permit and is the party or parties that either individually or collectively meet the following criteria:

1. Has oversight responsibility of earth disturbance activity on a project site or a portion thereof and has the ability to make modifications to the E&S plan or site specifications;

and/or

2. Has day-to-day operational control over earth disturbance activity on a project site or a portion thereof to ensure compliance with the E&S plan.

Operators can include, but are not limited to: the landowner, the developer, general contractor or individual contractor.

Operational control can be shared or transferred between the landowner, developer and contractor. DEP has developed "Transferee/Co-Permittee" forms to allow for the flexibility of sharing the permit or the transfer of permit responsibilities.

DEP has also developed a "Notice of Termination (NOT)" form to be used by permittees or co-permittees when:

1. The operator is no longer responsible for the permitted activity;

or

2. Stormwater discharges from the construction activity at the site have been terminated, and the site has been permanently stabilized.

FOR MORE INFORMATION, PLEASE CONTACT:

Your local county conservation district office, or the DEP Permitting and Technical Services Section at one of the following regional offices:

- Southcentral Region
  909 Elmerton Avenue
  Harrisburg, PA 17110
  717-705-4700
- Northcentral Region
  208 West Third Street
  Williamsport, PA 17701
  570-327-3574
- Southeast Region
  2 East Main Street
  Norristown, PA 19401
  484-250-5970
- Northeast Region
  2 Public Square
  Wilkes-Barre, PA 18711
  570-826-2511
- Southwest Region
  400 Waterfront Drive
  Pittsburgh, PA 15222
  412-442-4000
- Northwest Region
  230 Chestnut Street
  Meadville, PA 16335
  814-332-6984

or

Department of Environmental Protection
Bureau of Watershed Management
Division of Waterways, Wetlands and Stormwater Management
P.O. Box 8775
Harrisburg, PA 17105-8775
717-787-6827

For more information, visit DEP's Web site at www.depweb.state.pa.us, keyword: Stormwater.

MCM #5

MCM #5 APPENDIX - TABLE OF CONTENTS

MCM #5 Table for 16B

SUMMARY TABLE OF C.S. DAVIDSON BMP INSPECTIONS FOR THE CITY OF YORK

CITY OF YORK - MS4 ANNUAL REPORT MCM #5

Project Name	Structural BMPs	Name of Person Responsible	Date Installed	Date of Most Recent Inspection	Inspection Result	Date of Deficiency Letter Sent	Inspection Type
Apple Automotive Collision Center	Detention Basin, Drainage Swale	Apple Automotive	2008	2/6/2013	Not Compliant	2/25/2013	Re-Inspection
Catholic Harvest Pantry	Infiltration Bed	Catholic Harvest Pantry	2012	2/13/2013	Not Compliant	3/20/2013	First Inspection
Cintas	Vegetated Filter Strip, Level Spreader, Swale	Stewart Associates, Inc.	2007	7/26/2012	Compliant	3/19/2012	Re-Inspection
Colony Park Corner	Rain Garden	City of York	2007	2/12/2013	Not Compliant	3/19/2013	First Inspection
Crispus Attucks Early Childhood Learning Center	Storage Facility	Crispus Attucks	2007	2/13/2013	Not Compliant	3/20/2013	First Inspection
Crispus Attucks South Court Street	Underground Detention Facility	Crispus Attucks	2012	2/13/2013	Not Compliant	3/20/2013	First Inspection
Glory House Ministries	2 Infiltration Structures	Glory House Ministries	2009	3/28/2012	Compliant	3/19/2012	Re-Inspection
Logos Academy	Rain Garden, 2 Underground Detention Facilities	Logos Academy	2009	2/6/2013	Not Compliant	2/25/2013	Re-Inspection
Metso Minerals Industries, Inc. Parking Lot Expansion	Infiltration Structure	Metso Minerals Industries	2005	2/12/2013	Not Compliant	4/2/2013	First Inspection
New Hope Academy Charter School	Downspout Filter	I. Anderson Real Estate, LLC.	2011	2/13/2013	Not Compliant	4/2/2013	First Inspection
Parkway Homes	2 Infiltration Structures and 1 Infiltration trench	The York Housing Authority	2011	2/12/2013	Not Compliant	4/2/2013	First Inspection
Penn State York Driveway and Parking Lot	Detention Basin, Drainage Swale, Inlet Snout	Penn State York	2005	2/12/2013	Not Compliant	3/20/2013	First Inspection
Penn State York Veterans Memorial Park	Detention Basin	City of York	1995	2/13/2013	Not Compliant	3/20/2013	First Inspection
Royal Farms	Inlet Snout	Royal Farms	2012	2/12/2013	Not Compliant	4/2/2013	First Inspection
Rutters Farm Store #25A	Underground Detention Facility	M&G Realty, Inc.	2008	4/27/2012	Compliant	3/19/2012	Re-Inspection
Small's Field Upgrade	Detention Basin	City of York School District	2005	2/6/2013	Not Compliant	2/15/2013	Re-Inspection
St. Matthews Evangelical Lutheran Church	Grass Filtration Strip and Water Quality Inlet	St. Matthews Evangelical Church	N/A	2/13/2013	Not Compliant	3/20/2012	First Inspection
Tooling Dynamics, Inc.	Underground Detention Facility	Tooling Dynamics, Inc.	2010	4/10/2012	Compliant	3/19/2012	Re-Inspection
United Refrigeration	Detention Basin	United Refrigeration	1995	2/12/2013	Not Compliant	4/2/2013	First Inspection
York College Freshman Dorms	Infiltration Structure and 2 Rain Gardens	York College of Pennsylvania	2011	2/13/2013	Compliant	4/2/2013	First Inspection
York Outdoor Recreation Complex	Water Quality Structure	York County Industrial Authority	2006	8/17/2012	Compliant	3/19/2012	Re-Inspection
				Number of BMP Inspections	21		
				Number of Compliant BMPs	6		
				Percent of Compliant BMPs	28.57		
				Number of Non Compliant BMPs	15		
				Percent of Non Compliant BMPs	71.43		

York City BMPs

ID	Vegetated Roof
V1	Ferguson Elementary School Vegetated Roof

ID	Level Spreader
BR1	Cintas Level Spreader

ID	Bio-Retention Soil Admendment
SA1	Lofts at Ribbon Place Bio-Retention Soil Admendment

ID	FloGard Downspout Filter
FG1	New Hope Academy Charter School FlowGard Downspout

ID	Filter Strip
FS1	Stillmeadow Church of the Nazarene Water Quality Filter
FS2	St Matthews Evangelical Lutheran Church Grass Filter Strip
FS3	Cintas Vegetated Filter Strip

ID	Rain Garden
RG1	Logo Academy Bio-Retention Bed/Rain Garden
RG2	York College Freshman Dorms Rain Garden #1
RG3	York College Freshman Dorms Rain Garden #2
RG4	Ferguson Elementary School Rain Garden/Bio-Retention
RG5	Colony Park Corner Rain Garden/Bio-Retention

ID	Water Quality Structure
WQ1	York Outdoor Recreation Complex Water Quality Structure #2
WQ2	York Outdoor Recreation Complex Water Quality Structure #1
WQ3	St. Matthews Evangelical Lutheran Church Filtration System
WQ4	YMCA Graham Aquatic Center Vortex Hydrodynamic Separators
WQ5	YMCA Graham Aquatic Center Vortex Hydrodynamic Separators

ID	Storage Facility
SF1	YMCA Grahman Aquatic Center Subsurface Storage Facility
SF2	Rutter's Farm Store #25A Underground Chamber #3
SF3	Rutter's Farm Store #25A Underground Chamber #2
SF4	Crispus Attucks Underground Detention Basin
SF5	Crispus Attucks Early Childhood Center Storage Facility

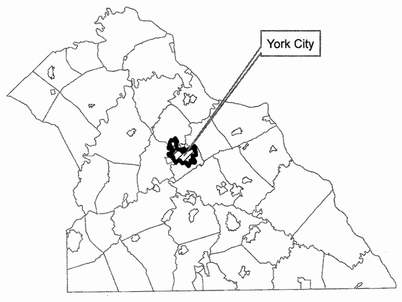
ID	Snout
SN1	Stillmeadow Church of the Nazarene Snout
SN2	Penn State York Driveway and Parking Lot Snout 1
SN3	Penn State York Driveway and Parking Lot Snout 2
SN4	Penn State York Driveway and Parking Lot Snout 3
SN5	Royal Farms Snout Inlet I-1
SN6	Royal Farms Snout Inlet I-2

ID	Swale
S1	Apple Automotive Collision Center Swale 1A
S2	Apple Automotive Collision Center Swale 1B
S3	Cintas Swale
S4	Penn State York Driveway and Parking Lot Swale 1
S5	Apple Automotive Apple Honda Swale 1
S6	Apple Automotive Apple Honda Swale 2
S7	Apple Automotive Apple Honda Swale 3
S8	Apple Automotive Apple Honda Swale 4

ID	Basin
B1	Apple Automotive Collision Center Stormwater Basin
B2	Small's Field Upgrade Retention Basin "B"
B3	York College Freshman Dorms Infiltration Basin #1
B4	Parkway Homes Infiltration Basin #1
B5	Parkway Homes Infiltration Basin #2
B6	Penn State York Driveway and Parking Lot Basin
B7	*Penn State York Veterans Memorial Park Basin**
B8	*United Refrigeration Basin**

ID	Infiltration Structure
I1	Ferguson Elementary School Infiltration Trench
I2	Glory House Ministries Infiltration Structure 1
I3	Glory House Ministries Infiltration Structure 2
I4	Logos Academy Underground Chamber System 2
I5	Logos Academy Underground Chamber System 1
I6	Tooling Dynamics Underground SW System #1
I7	Odeon Park Codorus St Parking Area Infiltration Pit
I8	Odeon Park Parking Lot Infiltration Pit
I9	Odeon Park Concession Stand Infiltration Pit
I10	Parkway Homes Infiltration Trench
I11	Catholic Harvest Pantry Infiltration Bed
I12	Metso Minerals Parking Lot Expansion Infiltration Sturcture
I13	George St and Gas Ave Infiltration Sturcture

Location Map



York County, Pennsylvania

Cintas
Tooling Dynamics
Colony Park Corner
Rutters Farm Store
United Refrigeration
Royal Farms
Apple Automotive
Small's Field
Parkway Homes
YMCA Graham Aquatic Center
Metso Minerals
Stillmeadow Chuch of the Nazarene
Catholic Harvest Pantry
Glory House Ministries
Ferguson Elementary School
York Outdoor Recreation Complex
George St and Gas Ave
Logos Academy
New Hope Academy Charter School
St. Matthews Evangelical Lutheran Church
Lofts at Ribbon Place
Crispus Attucks (Parking Lot)
Crispus Attucks (Early Learning Center)
Odeon Park
York College Freshman Dorms
Penn State York Veterans Memorial Park *
Penn State York Driveway and Parking Lot

N

Legend

- FloGard Downspout Filter
- Water Quality Structure
- Snout
- Storage Facility
- Infiltration Structure
- Rain Garden
- Bio-Retention Soil
- Filter Strip
- Level Spreader
- Vegetated Roof
- Basin
- Swale
- York City BMP Parcels
- Parcels

0 750 1,500 3,000 Feet

C.S.Davidson, Inc.
Excellence in Civil Engineering

*Sites Installed Before 2003 **

MCM #6

MCM #6 APPENDIX - TABLE OF CONTENTS

City of York Public Works
SW FACILITY O&M PLAN

PART 1 – Stormwater Facilities O&M Plan

ROUTINE MAINTENANCE

1. STREET SWEEPING

The City of York has a comprehensive street sweeping plan in place. Two Elgin sweepers are maintained to allow for coverage if there is a break-down. City streets are swept on a regular basis between March and April.
Targeted areas are also swept throughout the year as weather permits.
Sweeping grit removed from the streets is deposited in a dumpster and disposed of at Modern Landfill in compliance with the York County Municipal Solid Waste Management Act.

2. INLET CLEANING

The City of York inlet cleaning program is achieved by cleaning off the top of inlets before and after significant rain events and on an as needed basis. The material collected is disposed of at Modern Landfill. While inlet tops are being cleaned the operator does a visual inspection to ensure proper working order. The operator will take note on a provided worksheet if the inlet needs to be repaired or vacuumed out. The worksheet is then used to generate a list for repairs and a list for inlets that need vacuumed out. The vactor truck is then used to remove any debris inside of the inlet. This material is also disposed of at Modern Landfill

3. BMP MAINTENANCE

The City of York maintains five drainage basins within the city limits. One is in Memorial Park and the other four are in the Industrial Park. An annual mowing program maintains all these.

4. INSPECTION ACTIVITIES

Inspection activities of the city's storm water collection and conveyance system takes place regularly. As staff perform their regular maintenance duties of cleaning off inlet tops and mowing around the BMP's inspection of the area is done to determine if maintenance or cleaning is needed.

5. LEAF AND CHRISTMAS TREE COLLECTION

City residents are encouraged to rake their leaves into piles along the curb lines. Public works crews use 2 leaf loaders with dump trucks and one compactor truck

to collect the leaves throughout the city in both streets and alleyways. Christmas trees are also placed out for collection. Public Works crews use pick up trucks and one ton dump trucks to collect the trees. This organic matter is hauled to the city compost site where it is the picked up by a local vendor and processed into mulch.

6. DEICING OPERATIONS

Road salt applied by operators is done according to manufacturer's recommendations. All trucks are equipped with control boxes that allow the operator to adjust application rates based on the road width, traffic concentration, temperature and other factors to avoid over application

The salt storage area is under roof in our salt dome. Salt is pushed back in as needed throughout the winter. A large clean up of the salt dome area is to be performed each spring.

7. NEIGHBORHOOD FOCUSED CLEAN-UPS

A regularly scheduled program designates areas throughout the city for a "clean sweep". City staff removes all trash and overgrown brush and debris from these areas. Small trash and debris is blown out into the street ahead of the street sweeper. Items that are too large for the sweeper are loaded into dump trucks and hauled to city dumpsters. Brush is sent to a local mulch producer.

EMERGENCY MAINTENANCE

1. SPILL RESPONSE

Upon notification the York City Fire Dept and Public Works crews respond to reported spills. Absorbent materials are utilized to prevent oil and other fluids from reaching the storm water collection system. The street sweeper is then used to sweep up the absorbent material.

PART 2 – VEHICLE MAINTENANCE, FUELING AND WASHING

1. VEHICLE MAINTENANCE

Vehicle maintenance is performed at the city highway garage. All city owned vehicles are maintained at this facility with the exception of all Fire Dept vehicles. The Fire Dept uses a commercial facility to make needed repairs and perform maintenance.

Commercial oil dry absorbent material is used to clean up all oil and other fluid spills.

Cintas Services provides shop rags for the garage. Dirty/oily rags are stored in a metal container provided by the vendor. They are picked up and cleaned on a weekly basis.

Mechanics use drip pans to collect used oil and other spent fluids. This material is collected in 55 gal drums and later picked up by a local vendor. Used batteries are stored inside the garage on a wooden skid. They are then returned for a core deposit.

2. VEHICLE FUELING

All vehicle fueling takes place at the city highway garage. The city's fueling facility is equipped with double walled fiberglass tanks with interstitial monitoring, double walled piping and suction pumps. The tanks are equipped with overfill protection and have overfill alarms installed in the leak monitoring system. Emergency spill procedures and contact numbers are listed on a sign at the pumps. Spill clean up kits are also provided in the fueling area.

3. VEHICLE WASHING

The majority of city owned vehicles are washed at local commercial facilities. Maintenance vehicles are washed inside over drains that are connected to the city's sanitary sewer system.

City of York Public Works
OPERATIONS AND MAINTENANCE
REPORT
MS4 ARY: 2012-13

PART 1 – Stormwater Facilities O&M Report

ROUTINE MAINTENANCE

1. STREET SWEEPING

The City of York spent approximately 1,692.5 hours sweeping the streets throughout the city in 2012. One operator is primarily assigned to complete the regular sweeping schedule from March to November. Other areas are swept all through the year as weather permits. All sweeping grit is placed in a dumpster and sent to Modern Landfill. In 2012, 855.70 tons of sweeper grit was removed from city streets. The sweeper schedule is included in this report.

2. INLET CLEANING/MAINTENANCE

The City of York's inlet cleaning program is achieved by cleaning off the top of inlets before and after significant rain events and on an as needed basis. In 2012 city staff spent 1,336 hours performing this task. The material collected is disposed of at Modern Landfill. While inlet tops are being cleaned the operator does a visual inspection to ensure proper working order. The operator will take note on a provided worksheet if the inlet needs to be repaired or vacuumed out. An example of an intlet top cleaning sheet is included in this report. The worksheet is then used to generate a list for repairs and a list for inlets that need vacuumed out. In 2012, 9 inlets and 1 manhole box was repaired and 4 sections of pipe were replaced. An example of a repair sheet has been included in this report. A summary of repair done in 2012 is included in this report. The vactor truck was used to remove any debris inside of the inlets that the operator determined needed to be vacuumed out. This material is also disposed of at Modern Landfill.

3. BMP MAINTENANCE

The City of York Parks Maintenance staff conducts an annual mowing program to maintain the five BMP's located within the City. The four BMP's located in the Industrial park were mowed 3 times in 2012. (spring, summer and fall) The BMP in Memorial Park is typically mowed once or twice a week during the growing season.

4. INSPECTION ACTIVITIES

Inspection activities of the city's storm water collection and conveyance system takes place regularly. As staff perform their regular maintenance duties of cleaning off inlet tops and mowing around the BMP's inspection of the area is done to determine if maintenance or cleaning is needed.

5. NEIGHBORHOOD FOCUSED CLEAN-UPS

In 2012, 6 neighborhood areas were targeted for a clean sweep. Along with other smaller clean-ups and sweeper grit, a total of 942.63 tons of trash and debris were removed from city streets and properties. A tonnage summary is included in this report

6. LEAF AND CHRISTMAS TREE COLLECTION

City public works crews spent 839 hours collecting leaves from street curb lines. Over 264 tons of leaves were collected in 2012. Crews also removed over 16 tons of Christmas Trees. All of this organic waste is hauled away and turned into mulch by local vendor, H&H.

7. DEICING OPERATIONS

2012 was a mild winter in our area. A snow storage area was not needed this year. Road salt applied by operators is done according to manufacturer's recommendations. All trucks are equipped with control boxes that allow the operator to adjust application rates based on the road width, traffic concentration, temperature and other factors to avoid over application.

The salt storage area is under roof in our salt dome. Salt is pushed back in as needed throughout the winter. A large clean up of the salt dome area is done in the spring and in 2012 staff spent 102 hours performing this task.

EMERGENCY MAINTENANCE

1. SPILL RESPONSE

City Public Works staff reported to 4 spills in 2012. All were trails of vehicle fluid. Absorbent material was spread over the trails and the street sweeper was then used to pick up the material. The material was then disposed of in City dumpsters.

PART 2 – VEHICLE MAINTENANCE, FUELING AND WASHING

1. VEHICLE MAINTENANCE

As noted in our operations program, vehicle maintenance is performed at the city highway garage located at 118 N. Broad St York, PA 17403. All city owned vehicles are maintained at this facility with the exception of all Fire Dept vehicles. Repairs that are beyond the abilities of staff mechanics are performed by local commercial repair facilities. The Fire Dept uses a commercial facility to make needed repairs and perform maintenance.

Commercial oil dry absorbent material is used to clean up all oil and other fluid spills. It is stored on a skid in the garage

Cintas Services provides shop rags for the garage. Dirty/oily rags are stored in a metal container provided by the vendor. They are picked up and cleaned on a weekly basis.

Mechanics use drip pans to collect used oil and other spent fluids. This material is collected in 55 gal drums and later picked up by a local vendor, currently, Allen Oil Service. The drums are stored in the garage on concrete away from any storm drains. Used batteries are stored inside the garage on a wooden skid. They are then returned for a core deposit.

2. VEHICLE FUELING

All vehicle fueling takes place at the city highway garage. The city's fueling facility is equipped with double walled fiberglass tanks with interstitial monitoring, double walled piping and suction pumps. The tanks are equipped with overfill protection and have overfill alarms installed in the leak monitoring system. Emergency spill procedures and contact numbers are listed on a sign at the pumps. Spill clean up kits are also provided in the fueling area.

3. VEHICLE WASHING

The majority of city owned vehicles are washed at local commercial facilities. Currently, the city has a contract with both Apple Automotive and Mister Hotshine for washing vehicles. Maintenance vehicles are washed inside over drains that are connected to the city's sanitary sewer system. There are indoor washing facilities at both the highway garage and the sewer maintenance department. A sign at the highway garage has been posted stating "NO OUTSIDE WASHING". Employees have been made aware of why we no longer allow outside washing. Staff has complained about water pressure at the highway indoor washing facility. We plan to address this in 2013.

ATTACHMENT for 18A
MCM #6 SW Facility Repairs

STORM SEWER COLLECTION SYSTEM REPAIR 2012 SUMMARY

Linden & Belvidere – Pipe repair needed after being hit and damaged by Kinsley Construction

Hartley & Madison – Pipe repair needed after being hit by Kinsley Construction

Duke & South – Pipe repair needed after being hit by Kinsley Construction

King & Newberry – Pipe repair and manhole box repair after storm damage

West & Salem – Grate needed replaced

Duke & Cottage – Grate needed replaced

Clarke & Hartley – Grate needed replaced

49 N Franklin – Grate needed replaced

State & Glen – Grate needed replaced (missing/stolen)

Glen & Lee – Grate needed replaced (missing/stolen)

Court near North – Concrete patch work needed after storm damage

Beaver & Market – brick repair needed

Edison & Lehman – Top of inlet needed secured with concrete

EMERGENCY
SPILL RESPONSE SUMMARY 2012
Supplemental

5/31/12 – Queen St. between Market and Philadelphia – oil trail- sand was used to absorb oil and the sweeper then picked up the sand

6/14/12 – Rockdale Ave – to the rear of Pennsylvania Ave between Hawthorne and Belvidere- home heating oil was spilled in the alleyway. There was also a garbage can containing the same oil sitting along the alleyway. Absorbent material was used on the alleyway surface. The oil in the garbage can was added to our waste oil drums.

12/11/12 – College Ave- Several blocks needed to have absorbent material spread including some sections of side streets. City staff shut down sections of College Ave so that the motor oil trail could be cleaned up safely. The sweeper was run to collect all of the material from the roadway before the evening commute

12/14/12 – Roosevelt and Pennsylvania Ave – Automotive transmission fluid was leaking from a vehicle and trailed from half a block before the intersection on Roosevelt then turning onto Pennsylvania and trailing it for another block. The fluid was covered in absorbent material and later collected by the street sweeper.

STORM SEWER MAINTENANCE REPORT

Date: 8-6-12 Reported Problem X Routine Maint ___

Inlet/Drain/ Manhole (Circle one)

Location
200 blk N Court Alley (Near North 15th St.)

Problem:

Debris Blocking Inlet ____ Inlet Full ____

Grate Is Off ____ Manhole cover Is off ___

Main Is Blocked___ Inlet needs rebuilt___

X OTHER Inlet needs repaired (Some of the concrete wall was washed out by rain events)

Action Taken:
We patched several sections of the inlet wall with concrete

Employees:

R. Hershey	____	P Rodriguez	____	D Rudolph	____
J. Johnson	____	A. Walls	____	J. Laughman	____
P. Banks	____	J Bean	____	G. Brooks	X
				K. Arnold	X

Equipment Used:
Vactor: ____ Lateral Camera:____
Harben:____ TV'd Main: ____
Camel: ____

Damage:
Property: ___
Photos: ___

Other Information:
Dye test: ____ Cleaned Line:____:____

Inflow/Inf. Source: ____ Cleaned Line:____:____

Root Control Applied: ____ Cleaned Line:____:____

Repair: Main: ____ Repair Date: ~~8-6~~, 8-6, 7, 8, -12

MH ID_____ Replaced Cover_____ Installed New Frame/Cover____

Installed Riser_____ Installed MH Cushion_____

Adjust to Grade_____ Installed I/I Insert_____

STORM SEWER MAINTENANCE
PREVENTIVE MAINTENANCE REPORT

Date: 10.29-12 Truck #184

INLET TOPS CLEANED

LOCATION	X= FULL R= REPAIR
Pacific Bridge S-E	
" " S-W	
Poe Ln @ Stevens NE	
Stevens lane #113	Vactor
Jefferson @ Pershing S-E	
" " N-E	
Pershing @ Jefferson S-E	
College Hill @ Stevens N-E	X - VACTOR
" " " SE	
Stevens @ 113	
Beaver @ Willow Run N-W	
" " " S-W	
Beaver @ P-Way S-W	
P-Way @ Smith N-E	
Smith @ P-Way N-E	
" " N-W	
" " S-E	

Peter Rodriguez / Dave Shirley

Employees:

J Johnson ___ P. Banks ___ R Hershey ___
A. Walls ___ J Bean ___ G. Brooks ___
___ J Laughman ___

ATTACHMENT FOR 18A
MCM #6

EXAMPLE FORMS AND REPORTS
USED IN PROGRAM

VACTOR TRUCK
CLEAN OUT LIST
5-22-12

DONE
7-17-12

√ *Springettsberry and S. George St

√ *807 S George

√ *Corner of Cottage PL and S. George

√ *Boundary and S. George

√ *448/449 S George

√ *Maple and S. George

√ *401 S. George

√ *351 S. George

√ *305 S George

-Initial and date when completed

P. Banks _____

J. Johnson J. J.

D. Rudolph _____

A. Walls _____

R. Hershey _____

G. Brooks GB

MCM #6: Table for 18A

MS4 PROGRAM WASTE REMOVED
2012 TONNAGE SUMMARY
CITY OF YORK

	York County SWA - Incinerator			Modern Landfill					
5/24/2013 MONTH	MEMORIAL STADIUM TONS	SANITATION CREW TONS	SALT DOME HIGHWAY GARAGE	SALT DOME TONS	MEMORIAL STADIUM TONS	SANITATION CREW TONS	TOTAL (YCSWA) PROCESS TONS	TOTAL (Modern) NON-PROCESS TONS	TOTAL TONS
JANUARY	0.00	0.00	0.00	43.88	2.06	0.00	0.00	45.94	45.94
FEBRUARY	0.00	0.00	5.44	47.05	0.00	0.00	5.44	47.05	52.49
MARCH	3.93	0.00	0.00	103.82	0.00	2.36	3.93	106.18	110.11
APRIL	0.00	0.00	0.00	97.10	4.95	0.00	0.00	102.05	102.05
MAY	1.66	2.19	0.00	118.43	0.00	0.00	3.85	118.43	122.28
JUNE	0.00	0.00	0.00	71.98	2.55	0.00	0.00	74.53	74.53
JULY	0.00	0.00	0.00	72.01	4.11	0.00	0.00	76.12	76.12
AUGUST	0.00	38.83	13.67	54.16	2.17	0.00	52.50	56.33	108.83
SEPTEMBER	0.00	0.00	0.00	50.14	0.00	0.00	0.00	50.14	50.14
OCTOBER	0.00	0.00	0.00	81.46	3.01	0.00	0.00	84.47	84.47
NOVEMBER	0.00	0.00	0.00	68.79	0.00	0.00	0.00	68.79	68.79
DECEMBER	0.00	0.00	0.00	46.88	0.00	0.00	0.00	46.88	46.88
TOTALS	5.59	41.02	19.11	855.70	18.85	2.36	65.72	876.91	942.63

x.m.spshts.disposalcosts.tonnage summary 12

ATTACHMENT for 18B

Fueling Station Signage and Spill Response

Signage at Fueling Station

Close up of Signage

Emergency Spill Station

Table for 18C

Municipal Employee Training Summary

Date	Training Title	Sponsor	Contact Hours	Employees Attending				
				WWTP	Highway	Other Public Works	Non-Public Works	Total
January 24, 2013	Inspection Protocols for Maintaining and Verifying the Performance of LID Practices	Chesapeake Stormwater Network	1.50	3	1	0	0	4
February 8, 2012	MS4 Training	PADEP	6.00	2	1	0	0	3
March 7, 2013	MS4 and York City	City of York, PA	1.25	8	9	0	0	17
April 1, 2012	City of York Employee Newsletter	City of York, PA	NA	35	11	48	306	400
June 7, 2012	Stormwater Facility Maintenance & Operation	PennDOT	4.00	0	10	0	0	10
August 1, 2012	UST Facilities	PADEP/Keystone Petroleum	8.00	0	2	0	0	2
September 19-20, 2012	NPDES/BMP Workshop	York County Conservation District	15.50	1	0	0	0	1
September 21, 2012	Cows, Crabs and Cash	CS Davidson, Inc.	4.00	2	1	0	0	3
September 25, 2012	Flood Manager - Experience a Town at Risk	York Township	2.00	1	1	0	0	2
October 4, 2012	Water Quality Standards 101	Horsley Witten	1.00	0	0	1	0	1

ACT 167
ORDINANCE

ARTICLE 935
General Provisions

935.01 SHORT TITLE.

This Title Four of the Streets, Utilities and Public Services Code shall be known and may be cited as the "City of York Stormwater Management Ordinance."
(Ord. 32-2011. Passed 10-4-11.)

935.02 STATEMENT OF FINDINGS.

The City Council of the City of York finds that:

(a) Inadequate management of accelerated runoff of stormwater resulting from development throughout a watershed increases flows and velocities, contributes to erosion and sedimentation, overtaxes the carrying capacity of streams and storm sewers, greatly increases the cost of public facilities to carry and control stormwater, undermines flood plain management and flood control efforts in downstream communities, reduces groundwater recharge, threatens public health and safety, and increases non-point source pollution of water resources.

(b) A comprehensive program of stormwater management, including reasonable regulation of development and activities causing accelerated runoff, is fundamental to the public health, safety, and welfare and the protection of people of the Commonwealth, their resources, and the environment.

(c) Stormwater is an important water resource, which provides groundwater recharge for water supplies and base flow of streams, which also protects and maintains surface water quality.

(d) Federal and state regulations require certain municipalities to implement a program of stormwater controls. These municipalities are required to obtain a permit for stormwater discharges from their separate storm sewer systems under the National Pollutant Discharge Elimination System (NPDES).
(Ord. 32-2011. Passed 10-4-11.)

935.03 PURPOSE.

The purpose of this Ordinance is to promote health, safety, and welfare within the Municipality and its watershed(s) by minimizing the harm and maximizing the benefits described in Section 935.02, through provisions designed to:

(a) Meet legal water quality requirements under state law, including regulations at 25 Pa. Code 93 to protect, maintain, reclaim, and restore the existing and designated uses of the waters of this Commonwealth.

(b) Preserve the natural drainage systems as much as possible.

(c) Manage stormwater runoff close to the source.

(d) Provide procedures and performance standards for stormwater planning and management.

(e) Maintain groundwater recharge to prevent degradation of surface and groundwater quality and to otherwise protect water resources.

(f) Prevent scour and erosion of stream banks and stream beds.

(g) Provide proper operation and maintenance of all SWM BMPs that are implemented within the municipality.

(h) Provide standards to meet NPDES permit requirements.
(Ord. 32-2011. Passed 10-4-11.)

935.04 STATUTORY AUTHORITY.

(a) Primary Authority: The Municipality is empowered to regulate land use activities that affect stormwater impacts by the authority of the Third Class City Code and the Act of October 4, 1978, P.L. 864 (Act 167), 32 P.S. Section 680.1, et seq., as amended, the "Stormwater Management Act."

(b) Secondary Authority: The Municipality is also empowered to regulate land use activities that affect runoff by the authority of the Act of July 31, 1968, P.L. 805, No. 247, The Pennsylvania Municipalities Planning Code, as amended.
(Ord. 32-2011. Passed 10-4-11.)

935.05 APPLICABILITY.

All regulated activities and all activities that may affect stormwater runoff, including land development and earth disturbance activity, are subject to regulation by this article. Article 942, Detention and Elimination of Illicit Discharges to the Municipal Separate Storm Sewer System, shall be applicable to all water entering the storm drain system of the Municipality generated on any developed and undeveloped lands unless explicitly exempted by the Municipality. (Ord. 32-2011. Passed 10-4-11.)

935.06 REPEALER.

Any other ordinance provision or regulation of the Municipality inconsistent with any of the provisions of this Ordinance is hereby repealed to give this Ordinance full force and effect to the extent of the inconsistency only.
(Ord. 32-2011. Passed 10-4-11.)

935.07 SEVERABILITY.

In the event that a court of competent jurisdiction declares any section, clause or provision of this Ordinance invalid, such decision shall not affect the validity of any of the remaining sections, clauses or provisions of this Ordinance.
(Ord. 32-2011. Passed 10-4-11.)

935.08 COMPATIBILITY WITH OTHER PERMIT AND ORDINANCE REQUIREMENTS.

Permits and approvals issued pursuant to this Ordinance do not relieve the applicant of the responsibility to secure required permits or approvals for activities regulated by any other applicable code, rule, act or ordinance. If more stringent requirements concerning regulation of stormwater or erosion and sedimentation control are contained in another code, rule, act or ordinance, the more stringent regulations shall apply
(Ord. 32-2011. Passed 10-4-11.)

935.09 INTERPRETATION.

Unless otherwise expressly stated, the succeeding shall, for the purposes of this Ordinance, be interpreted in the following manner:

(a) Words used in the present tense also imply the future tense.
(b) Words used in the singular imply the plural, and vice versa.
(c) Words of masculine gender include feminine gender, and vice versa.
(d) The words and abbreviation "includes," "including," "shall include," "such as," and "e.g." are not limited to the specific example(s) given but are intended to extend the word's or words' meaning(s) to all other instances of like kind and character.
(e) The words "person", "applicant", or "developer" include, a partnership, corporation, or other legal entity, as well as an individual.
(f) The words "shall", "required", or "must" are mandatory; the words "may" and "should" are permissive.

(Ord. 32-2011. Passed 10-4-11.)

935.10 ERRONEOUS PERMIT.

Any permit or authorization issued or approved based on false, misleading or erroneous information provided by an applicant is void without the necessity of any proceedings for revocation. Any work undertaken or use established pursuant to such permit or other authorization is unlawful. No action may be taken by a board, agency or employee of the Municipality purporting to validate such a violation.

(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 936
Definitions

936.01 Definitions.

936.01 DEFINITIONS.

(a) **Accelerated Erosion** - The removal of the surface of the land through the combined action of man's activities and natural processes at a rate greater than would occur because of the natural process alone.

(b) **Act 167** - Act of October 4, 1978, P.L.864, (Act 167), as amended, and known as the "Stormwater Management Act".

(c) **Agricultural Activity** - Activities associated with agriculture such as, but not limited to, agricultural cultivation, agricultural operations, and animal heavy use areas. This includes the work of producing crops including tillage, land clearing, plowing, disking, harrowing, planting, harvesting crops or pasturing and raising of livestock and installation of conservation measures. Construction of new buildings or impervious area is not considered an agricultural activity.

(d) **Applicant** - A landowner, developer, or other person who has filed an application to the municipality for approval to engage in any regulated activity at a project site in the Municipality.

(e) **Best Management Practice (BMP)** - Activities, facilities, designs, measures, or procedures used to manage stormwater impacts from regulated activities, to meet state water quality requirements, to promote groundwater recharge, and to otherwise meet the purposes of this Ordinance. Stormwater BMPs are commonly grouped into one of two broad categories or measures: "structural" or "nonstructural." In this Ordinance, nonstructural BMPs or measures refer to operational and/or behavior-related practices that attempt to minimize the contact of pollutants with stormwater runoff whereas structural BMPs or measures are those that consist of a physical device or practice that is installed to capture and treat stormwater runoff. Structural BMPs include, but are not limited to, a wide variety of practices and devices, from large-scale retention ponds and constructed wetlands, to small-scale underground treatment systems, infiltration facilities, filter strips, low impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention basins, and manufactured devices. Structural stormwater BMPs are permanent appurtenances to the project site.

(f) **BMP Manual** - Pennsylvania Stormwater Best Management Practices Manual, as amended and updated.

(g) **Cistern** - An underground reservoir or tank for storing rainwater.

(h) **City Council** - the Council of the City of York

(i) **Clean Water Act** - The Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq., and any subsequent amendments thereto.

(j) **Conservation District** - The York County Conservation District, which District is as defined in Section 3(c) of the Conservation District Law (3 P. S. § 851(c)) that has the authority under a delegation agreement executed with DEP to administer and enforce all or a portion of the regulations promulgated under 25 Pa. Code 102.

(k) **Construction Activity** - activities subject to NPDES construction permits. NPDES Storm Water Phase II permits will be required for construction projects resulting in land disturbance of one acre or more. Such activities include but are not limited to clearing and grubbing, grading, excavating and demolition.

(l) **County** - York County Pennsylvania

(m) **Culvert** - A structure which carries surface water through an obstruction.

(n) **Dam** - An impoundment structure regulated by the Pennsylvania DEP Chapter 105. regulations.

(o) **Dedicated** - Offered for adoption by the municipality.

(p) **DEP** - The Pennsylvania Department of Environmental Protection.

(q) **Design Storm** - The magnitude and temporal distribution of precipitation from a storm event measured in probability of occurrence, e.g., a 5-year storm, and duration, e.g., 24 hours, used in the design and evaluation of stormwater management systems. Also see Return Period.

(r) **Developer** - Any person, partnership, association, corporation or other entity, or any responsible person therein or agent thereof, that undertakes any Regulated Activity.

(s) **Detention Basin** - A structure designed to retard stormwater runoff by temporarily storing and releasing the runoff at a predetermined rate.

(t) **Detention District** - Those subareas in which some type of detention is required to meet the plan requirements and the goals of appropriate and approved Act 167 plans.

(u) **Detention Volume** - The volume of runoff that is captured and released into the waters of this Commonwealth at a controlled rate.

(v) **Development Site (Site)** - See Project Site.

(w) **Disconnected Impervious Area (DIA)** - An impervious or impermeable surface that is disconnected from any stormwater drainage or conveyance system and is redirected or directed to a pervious area, which allows for infiltration, filtration, and increased time of concentration as specified in Appendix B. Disconnected Impervious Area of this Ordinance.

(x) **Disturbed Area** - An unstabilized land area where an earth disturbance activity is occurring or has occurred.

(y) **Down-slope Property Line** - That portion of a property line of a lot or parcel of land being developed located such that overland or pipe flow from the development site would be directed toward it.

(z) **Drainage Conveyance Facility** - A stormwater management facility designed to transmit stormwater runoff, including but not limited to, streams, channels, swales, pipes, conduits, culverts and storm sewers.

(aa) **Drainage Easement** - A limited right of use granted in private land, allowing the use of private land for stormwater management purposes, wherein no structure may be constructed.

(ab) **Drainage Permit** - A permit issued by the municipality after the SWM Site Plan has been approved. Said permit is issued prior to or with the final Municipal approval.

(ac) **Earth Disturbance Activity** - A construction or other human activity which disturbs the surface of the land, including, but not limited to: clearing and grubbing; grading; excavations; embankments; road maintenance; building construction; and the moving, depositing, stockpiling, or storing of soil, rock, or earth materials.

(ad) **Erosion** - The natural process by which the surface of the land is worn away by water, wind, or chemical action.

(ae) **E & S Manual** - Erosion and Sediment Pollution Control Manual, as amended and updated.

(af) **Erosion and Sediment Control Plan** - A site specific plan consisting of both drawings and a narrative that identifies BMPs to minimize accelerated erosion and sedimentation before, during and after earth disturbance activity.

(ag) **Existing Condition** - The dominant land cover during the 5-year period immediately preceding a proposed regulated activity.

(ah) **FEMA** - Federal Emergency Management Agency.

(ai) **Flood** - A general but temporary condition of partial or complete inundation of normally dry land areas from the overflow of streams, rivers, and other waters of the Commonwealth.

(aj) **Floodplain** - Any land area susceptible to inundation by water from any natural source as delineated by applicable FEMA maps and studies as being a special flood hazard area.

(ak) **Floodway** - The channel of the watercourse and those portions of the adjoining floodplains that are reasonably required to carry and discharge the 100-year flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

(al) **Forest Management/Timber Operations** - Planning and activities necessary for the management of forest land. These include conducting a timber inventory, preparation of forest management plans, silvicultural treatment, cutting budgets, logging road design and construction, timber harvesting, site preparation, and reforestation.

(am) **Groundwater Recharge** - Replenishment of existing natural underground water supplies.

(an) **Hazardous Materials/Substances** - Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

(ao) **Hydrologic Soil Group (HSG)** - Infiltration rates of soils vary widely and are affected by subsurface permeability as well as surface intake rates. Soils are classified into four HSGs (A, B, C, and D) according to their minimum infiltration rate, which is obtained for bare soil after prolonged wetting. The NRCS defines the four groups and provides a list of most of the soils in the United States and their group classification. The soils in the area of the development site may be identified from a soil survey report that can be obtained from local NRCS offices or conservation district offices. Soils become less pervious as the HSG varies from A to D (NRCS 3,4).

(ap) **IWRP** - The York County Integrated Water Resources Plan, which Plan includes Act 167 Plan elements and requirements.

(aq) **Illicit Connections** - An illicit connection is defined as either of the following:

(1) Any drain or conveyance, whether on the surface or subsurface, which allows an illegal discharge to enter the storm drain system and/or Waters of the Commonwealth including but not limited to any conveyances which allow any non-stormwater discharge including sewage, process wastewater, and wash water to enter the storm drain system and any connections to the storm drain system and/or Waters of the Commonwealth from indoor drains and sinks, regardless of whether said drain or connections had been previously allowed, permitted, or approved by an authorized enforcement agency; or

(2) Any drain or conveyance connected from a commercial or industrial land use to the storm drain system and/or Waters of the Commonwealth which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency.

(ar) **Illegal Discharge** - Any direct or indirect non-storm water discharge to the storm drain system.

(as) **Impervious Surface (Impervious Area)** - A surface that prevents the infiltration of water into the ground. Impervious surfaces and areas shall include, but not be limited to, roofs, additional indoor living spaces, patios, garages, storage sheds and similar structures, and any new streets and sidewalks. However, any surface or area designed, constructed and maintained to permit infiltration as specified herein shall be considered pervious, not impervious. For the purposes of this Ordinance, a surface or area shall not be considered impervious if such surface or area does not diminish the capacity for infiltration of stormwater for storms up to, and including, a two (2)-year 24-hour storm event.

(at) **Industrial Activity** - Activities subject to NPDES industrial permits as defined in 40 CFR §122.26(b)(14).

(au) **Infiltration** - The entrance of surface water into the soil, usually at the soil-air interface.

(av) **Infiltration Structures** - A structure designed to direct runoff into the ground (e.g. french drains, seepage pits, seepage trench).

(aw) **Karst** - A type of topography or landscape characterized by surface depressions, sinkholes, rock pinnacles/uneven bedrock surface, underground drainage, and caves. Karst landscapes are formed on carbonate rocks, such as limestone or dolomite.

(ax) **Land Development** - Shall include any of the following activities:

(1) The improvement of one lot or two or more contiguous lots, tracts, or parcels of land for any purpose involving:

A. A group of two (2) or more residential or nonresidential buildings, whether proposed initially or cumulatively, or a single nonresidential building on a lot or lots regardless of the number of occupants or tenure; or

B. The division or allocation of land or space between or among two (2) or more existing or prospective occupants by means of, or for the purpose of streets, common areas, leaseholds, condominiums, building groups, or other features.

(2) A subdivision of land.

(3) Development in accordance with Section 503(1.1) of the Pennsylvania Municipalities Planning Code.

(ay) **Land Disturbance** - Any activity involving grading, filling, digging or filling of ground, or stripping of vegetation, or any other activity which causes land to be exposed to the danger of erosion.

(az) **Municipality** - City of York, York County, Pennsylvania.

(ba) **MS4** - Municipal Separate Storm Sewer System

(bb) **NPDES** - National Pollution Discharge Elimination System

(bc) **NRCS** - USDA Natural Resources Conservation Service (previously SCS).

(bd) **National Pollutant Discharge Elimination System (NPDES) Storm Water Discharge Permit** means a permit issued by EPA (or by DEP under authority delegated pursuant to 33 USC § 1342(b)) that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general area-wide basis.

(be) **Non-Stormwater Discharge** - Any discharge to the storm drain system and/or Waters of the Commonwealth that is not composed entirely of stormwater.

(bf) **O & M** - Operation and Maintenance

(bg) **O & M Plan** - Operation and Maintenance Plan

(bh) **PCSWMP** - Post-Construction Stormwater Management Plan

(bi) **Peak Discharge** - The maximum rate of stormwater runoff from a specific storm event.

(bj) **Percolation** - The downward movement, under the influence of gravity, of water under hydrostatic pressure through interstices of the soil or rock.

(bk) **Person** - An individual, partnership, public or private association or corporation, firm, trust, estate, municipality, governmental unit, public utility or any other legal entity whatsoever. Whenever used in any section prescribing or imposing a penalty, the term "person" shall include the members of a partnership, the officers, agents and servants of a corporation and the officers of a municipality.

(bl) **Pervious Area** - Any area not defined as impervious.

(bm) **Pollutant** - Anything which causes or contributes to pollution. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, ordnance, and accumulations, so that may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; and noxious or offensive matter of any kind.

(bn) **Premises** - Any building, lot, parcel of land, or portion of land, whether improved or unimproved, including adjacent sidewalk and parking strips.

(bo) **Project Site** - The specific area of land where any regulated activities in the Municipality are planned, conducted, or maintained.

(bp) **Provisional No Detention District** - A release rate district which does not require reduction of post development peak flow rates; provided, however, that adequate downstream conveyance capacity exists to convey such increased peak flow rates without adversely affecting any downstream properties.

(bq) **Qualified Person** - Any person licensed by the State of Pennsylvania or otherwise qualified by law to perform the work required by this Ordinance.

(br) **Regulated Activities** - Any earth disturbance activities or any activities that involve the alteration or development of land in a manner that may affect stormwater runoff.

(bs) **Regulated Earth Disturbance Activity** - Activity involving earth disturbance subject to regulation under 25 Pa. Code 92, 25 Pa. Code 102, or the Clean Streams Law.

(bt) **Retention Basin** - An impoundment in which stormwater is stored and not released during a storm event. Stored water may be released from the basin at some time after the end of a storm.

(bu) **Retention Volume/Removed Runoff** - The volume of runoff that is captured and not released directly into the surface waters of this Commonwealth during or after a storm event.

(bv) **Return Period** - The average interval, in years, within which a storm event of a given magnitude can be expected to occur one time. For example, the 25-year return period rainfall would be expected to occur on average once every 25 years; or stated in another way, the probability of a 25-year storm occurring in any one year is 0.04, i.e., a 4% chance.

(bw) **Riparian Buffer** - A Best Management Practice that is an area of permanent vegetation along surface waters. (Such areas serve as natural vegetative filters between upland landscapes and waterways.)

(bx) **Riser** - A vertical pipe extending from the bottom of a pond or other water impoundment that is used to control the discharge rate from the pound or impoundment for a specified design storm.

(by) **Rooftop Detention** - Temporary ponding and gradual release of stormwater falling directly onto roof surface by incorporating control-flow roof drains into building design.

(bz) **Runoff** - Any part of precipitation that flows over the land.

(ca) **Runoff Characteristics** - The surface components on any watershed which either individually or in any combination thereof, directly affect the rate, amount and direction of stormwater runoff. These may include, but are not limited to: vegetation, soils, slopes and any type of manmade landscape alterations.

(cb) **SCS** - Soil Conservation Services, U.S. Department of Agriculture

(cc) **Sediment** - Soils or other materials transported by surface water as a product of erosion.

(cd) **Sediment Basin** - A barrier, dam, retention or detention basin designed to retain sediment.

(ce) **Seepage Pit/Seepage Trench** - An area of excavated earth filled with loose stone or similar materials into which surface water is directed for infiltration into the ground.

(cf) **Semi-Pervious Surface** - A surface which permits a limited amount of vertical transmission of water.

(cf-1) **Sheet Flow** - Water flow with a relatively thin and uniform depth.

(cg) **Soil-Cover Complex Method** - A method of runoff computation in NRCS publication "Urban Hydrology for Small Watersheds", Technical Release No. 55.

(ch) **Spillway** - A depression in the embankment of a pond or basin which is used to pass peak discharge greater than the maximum design storm controlled by the pond or basin.

(ci) **State Water Quality Requirements** - The regulatory requirements to protect, maintain, reclaim, and restore water quality under Title 25 of the Pennsylvania Code and the Clean Streams Law.

(cj) **Storm Drain System** - Publicly or privately owned facilities by which stormwater is collected and/or conveyed including, but not limited to, any roads with drainage systems, municipal streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures.

(ck) **Storm Frequency** - The number of times that a given storm event occurs on average in a stated period of years.

(cl) **Storm Sewer** - A pipe or conduit, or a system of pipes or conduits, which intercepts and carries surface stormwater runoff, but excludes sewage, industrial wastes and similar discharges.

(cm) **Stormwater** - Drainage runoff from the surface of the land resulting from precipitation or snow or ice melt.

(cn) **Stormwater Management District Watershed Maps**- Appendix C - Defining release rate criteria within the watershed.

(co) **Stormwater Management Facility** - Any structure, natural or man-made, that, due to its condition, design, or construction, conveys, stores, or otherwise affects stormwater runoff. Typical stormwater management facilities include, but are not limited to, detention and retention basins, open channels; storm sewers, pipes, and infiltration facilities.

(cp) **Stormwater Management Plan** - Parts and/or elements of the York County Integrated Water Resources Plan which incorporate the requirements of the Act of October 4, 1978, P.L. 864, (Act 167), as amended, and known as the "Storm Water Management Act."

(cq) **Stormwater Management Best Management Practices** - Is abbreviated as BMPs or SWM BMPs throughout this Ordinance.

(cr) **Stormwater Management Site Plan** - The plan prepared by the developer or his representative indicating how stormwater runoff will be managed at the development site in accordance with this Ordinance. Stormwater Management Site Plan will be designated as SWM Site Plan throughout this Ordinance. For all NPDES permitted sites, the Stormwater Management Site Plan shall include, and be consistent with, the Erosion and Sediment Control Plan as submitted to the York County Conservation District (YCCD) and/or DEP.

(cs) **Stormwater Pollution Prevention Plan** - A document which describes the best management practices and activities to be implemented by a person or business to identify sources of pollution or contamination at a site and the actions to eliminate or reduce pollutant discharges to stormwater, stormwater conveyance systems, and/or receiving waters to the maximum extent practicable.

(ct) **Stream Enclosure** - A bridge, culvert or other structure in excess of 100 feet in length upstream to downstream which encloses a regulated water of this Commonwealth.

(cu) **Subarea** - The smallest drainage unit of a watershed for which stormwater management criteria have been established in the Storwmater Management Plan.

(cv) **Subdivision** - The division or re-division of a lot, tract or parcel of land by any means into two or more lots, tracts or parcels or other divisions of land including changes in existing lot lines for the purpose, whether immediate or future, of lease, partition by the court for distribution to heirs or devisees, transfer of ownership or building or lot development; provided, however, that the subdivision by lease of land for agricultural purposes into parcels of more than ten acres, not involving any new street or easement of access or any residential dwelling, shall be exempted.

(cw) **SWM** - Stormwater Management.

(cx) **Swale** - A low-lying stretch of land which gathers and/or carries surface water runoff.

(cy) **Time of Concentration (Tc)** - The time for surface runoff to travel from the hydraulically most distant point of the watershed to a point of interest within the watershed. This time is the combined total of overland flow time and flow time in pipes or channels, if any.

(cz) **USDA** - United States Department of Agriculture.

(da) **Waters of this Commonwealth** - Any and all rivers, streams, creeks, rivulets, impoundments, ditches, watercourses, storm sewers, lakes, dammed water, wetlands, ponds, springs, and all other bodies or channels of conveyance of surface and underground water, or parts thereof, whether natural or artificial, within or on the boundaries of this Commonwealth.

(db) **Watercourse** - a stream of water; river, brook, creek, or a channel or ditch for water, whether natural or man-made.

(dc) **Watershed** - Region or area drained by a river, watercourse, or other surface water of this Commonwealth.

(dd) **Wastewater** - Any water or other liquid, other than uncontaminated stormwater, discharged from a facility.

(de) **Wetland** - Areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs, and similar areas.

(df) **YCCD** - York County Conservation District
(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 937
Stormwater Management Standards

937.01 GENERAL REQUIREMENTS.

(a) For all regulated activities, unless preparation of an SWM Site Plan is specifically exempted in Section 937.02:

(1) Preparation and implementation of an approved SWM Site Plan is required.

(2) No regulated activities shall commence until the Municipality issues written approval of an SWM Site Plan which demonstrates compliance with the requirements of this Ordinance.

(b) SWM Site Plans approved by the Municipality, in accordance with Section 938.06, shall be on site throughout the duration of the regulated activity.

(c) The Municipality may, after consultation with DEP, approve measures for meeting the state water quality requirements other than those in this Ordinance, provided that they meet the minimum requirements of, and do not conflict with, State law including, but not limited to, the Clean Streams Law. The Municipality shall maintain a record of consultations with DEP pursuant to this paragraph.

(d) For all regulated earth disturbance activities, erosion and sediment control BMPs shall be designed, implemented, operated, and maintained during the regulated earth disturbance activities, i.e., during construction, to meet the purposes and requirements of this Ordinance and to meet all requirements under Title 25 of the Pennsylvania Code and the Clean Streams Law. Various BMPs and their design standards are listed in the Erosion and Sediment Pollution Control Program Manual (E&S Manual) 2, No. 363-2134-008 (April 15, 2000), as amended and updated.

(e) For all regulated activities, implementation of the volume controls in Section 937.03. is required, unless specifically exempted under Section 937.01(c), or exempted by an approved modification request as specified in Section 938.03(b).

(f) Impervious Areas:
- (1) The measurement of impervious areas shall include all of the impervious areas in the total proposed development even if development is to take place in phases.
- (2) For development taking place in phases, the entire development plan must be used in determining conformance with this Ordinance.
- (3) For projects that add impervious area to a parcel, the total impervious area on the parcel is subject to the requirements of this Ordinance; except that the volume controls in Section 937.03 and the peak rate controls of Section 937.04 do not need to be retrofitted to existing impervious areas that are not being altered by the proposed regulated activity.

(g) Stormwater flows onto adjacent property shall not be created, increased, decreased, relocated, or otherwise altered without written notification of the adjacent property owner(s). Such stormwater flows shall be subject to the requirements of this Ordinance.

(h) All regulated activities shall include such measures as necessary to:
- (1) Protect health, safety, and property;
- (2) Meet the water quality goals of this Ordinance, as stated in Section 935.03. Purpose, by implementing measures to:
  - A. Minimize disturbance to floodplains, wetlands, wooded areas, and existing vegetation.
  - B. Maintain or extend riparian buffers.
  - C. Avoid erosive flow conditions in natural flow pathways.
  - D. Minimize thermal impacts to waters of this Commonwealth.
  - E. Disconnect impervious surfaces by directing runoff to pervious areas, wherever possible.
  - F. Minimize soil disturbance and compaction. Topsoil, if removed, shall be replaced to a minimum depth equal to its depth prior to removal or four (4) inches, whichever is greater. (Additional topsoil may be needed for vegetation other than sod.)
- (3) To the maximum extent practicable, incorporate the techniques for Low Impact Development Practices described in the Pennsylvania Stormwater Best Management Practices Manual (BMP Manual).

(i) The design of all facilities in areas of carbonate geology or karst topography shall include an evaluation of measures to minimize adverse effects, including hydro-geologic studies if required by the Municipality.

(j) Infiltration BMPs shall be spread out, made as shallow as practicable, and located to maximize use of natural on-site infiltration features while still meeting the other requirements of this Ordinance. In addition, infiltration BMPs shall include pre-treatment BMPs where appropriate.

(k) All natural streams, channels, swales, drainage systems and/or areas of surface water concentration shall be maintained in their existing condition unless an alteration is approved by the Municipality. All encroachment activities shall comply with the requirements of PA DEP 25 PA Code Chapter 105 (Water Obstructions and Encroachments), Rules and Regulations of PA DEP. Any approvals or permits issued do not relieve compliance as referenced in Section 935.08, Compatibility with Other Permit and Ordinance Requirements.

(l) All storage facilities shall completely drain both the volume control and rate control capacities over a period of time not less than 24 hours and not more than 72 hours from the end of the design storm. However, any designed infiltration at such facilities is exempt from the minimum 24-hour standard, i.e., may infiltrate in a shorter period of time, so long as none of the stormwater flowing into the infiltration facility is discharged directly into the surface waters of the Commonwealth. (Inordinately rapid infiltration rates may indicate the presence of large fractures or other conditions for which an additional soil buffer may be required.)

(m) All stormwater management facilities (excluding individual residential underground infiltration facilities) are considered structures and must comply with building setback requirements. The outside toe of slope of the embankment in a fill condition or the top of embankment in a cut condition shall be considered as the point that must meet the setback requirements. Individual residential underground infiltration facilities shall be a minimum of ten (10) feet from the property line. Discharge of controlled flows can be no closer to an adjacent property than two (2) times the length of the required discharge rip-rap apron. This requirement applies to discharge aprons that do not outlet to a defined waterway or an existing storm sewer. Minimum distance is ten (10) feet.

(n) The design storm volumes and precipitation intensities to be used in the analysis of discharge or runoff shall be obtained from the Precipitation-Frequency Atlas of the United States, Atlas 14, Volume 2, Version 3.0, U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Weather Service, Hydrometeorological Design Studies Center, Silver Spring, Maryland. NOAA's Atlas 14 can be accessed at: http://hdsc.nws.noaa.gov/hdsc/pfds/.

(o) For all regulated activities, SWM BMPs shall be designed, implemented, operated, and maintained to meet the purposes and requirements of this Ordinance and to meet all requirements under Title 25 of the Pennsylvania Code, the Clean Streams Law, and the Storm Water Management Act.

(p) Various BMPs and their design standards are listed in the BMP Manual.

(q) All work shall be in accordance with the Municipality's Construction and Material Specifications.
(Ord. 32-2011. Passed 10-4-11.)

937.02 EXEMPTIONS.

Any Regulated Activity that meets the following exemption criteria is exempt from the part(s) of this Ordinance as specified herein. However, the requirements of the Ordinance shall otherwise remain in effect. The criteria for exemption in this Section apply to the total development proposed, including instances in which the development is proposed to take place in phases. The date of enactment of this Ordinance shall be the starting point from which future development and the respective proposed impervious surface computations shall be cumulatively considered and regulated. Exemption shall not relieve an applicant from implementing such measures as necessary to meet the intent of this Ordinance, or compliance with any NPDES Permit requirements.

(a) Regulated activities that create DIAs equal to or less than 1,000 square feet are exempt from the peak rate control and the SWM Site Plan preparation requirements of this Ordinance.

(b) Regulated activities that create DIAs greater than 1,000 square feet and equal to or less than 5,000 square feet are exempt only from the peak rate control requirement of this Ordinance.

(c) Agricultural activity is exempt from the rate control and SWM Site Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 Pa. Code 102.

(d) Forest management and timber operations are exempt from the rate control and SWM Site Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 PA Code 102.

(e) Domestic gardening and landscaping are exempt from specific approval and permitting under this Ordinance so long as those activities are associated with one, and only one, dwelling unit and the activities comply with all other applicable ordinances and statutes.

(f) Exemptions from certain provisions of this Ordinance shall not relieve the applicant from the requirements in Sections 937.01(d) through (n).

(g) The Municipality may deny or revoke any exemption pursuant to this Section at any time for any project that the Municipality determines poses a threat to public health, safety, property or the environment.

(h) For all Regulated Activities that are exempt from the SWM Site Plan preparation, the applicant shall submit a plan and calculations in sufficient detail to show the existing conditions and proposed improvements.

(Ord. 32-2011. Passed 10-4-11.)

937.03 STORMWATER MANAGEMENT DISTRICTS.

(a) The City of York has been divided into release rate areas as shown in Appendix C.

(b) Description of stormwater management districts - two types of stormwater management districts may be applicable to the City of York, namely the Release Rate Districts and Provisional No Detention Districts as described below:

(1) Release Rate Districts - Rate districts differ in the extent to which post-development runoff must be controlled. Within a given district, the post-development peak rate of storm runoff must be controlled to the stated percentage of the pre-development peak rate of storm runoff in order to protect downstream watershed areas.

(2) Provisional No Detention Districts - These watershed areas may discharge post-development peak runoff without detention without adversely affecting the total watershed peak flow. In certain instances, however, the "local" runoff conveyance facilties, which transport runoff from the site to the main channel, may not have adequate capacity to safely transport increased peak flows associated with no detention for a proposed development. In those instances, the developer shall either use a 100% release rate control or provide increased capacity of downstream drainage elements to convey increased peak flows consistent with Section 937.07(d). In determining if adequate capacity exists in the local watershed drainage network, the developer must assume that the entire local watershed is developed per current zoning and that all new development would use the runoff controls specified in this Ordinance. Similarly, any capacity improvements must be designed to convey runoff from development of all areas tributary to the improvements consistent with the capacity criteria specified in Section 937.07(f).

(3) When a project or land disturbance activity is located in more than one stormwater management district, stormwater may not be transferred from a district with stricter stormwater management criteria to a district with less strict criteria, unless the need for such a transfer is identified in the regional water quality management plan Act 167 Study. In any district, infiltration and volume regulations dictated in Section 937.04 will be required.

CODORUS - DISTRICT 1

District ID	**Regulated Storm Frequency**	**Percentage of Pre-Developed Peak Flow Rate to Determine Allowable Post-Developed Release Rate**
District 1	2	100% 2-Year
District 1	5	100% 5-Year
District 1	10	100% 10-Year
District 1	25	100% 25-Year
District 1	50	100% 50-Year
District 1	100	100% 100-Year

* The intention of this Table is to reduce the runoff rate.
(Ord. 32-2011. Passed 10-4-11.)

937.04 VOLUME CONTROLS.

The low impact development practices provided in the BMP Manual shall be utilized for all regulated activities to the maximum extent practicable. Water volume controls shall be implemented using the Design Storm Method in subsection (a) or the Simplified Method in subsection (b) below. For regulated activity areas equal or less than one (1) acre that do not require hydrologic routing to design the stormwater facilities, this Ordinance establishes no preference for either methodology; therefore, the applicant may select either methodology on the basis of economic considerations, the intrinsic limitations on applicability of the analytical procedures associated with each methodology, and other factors.

(a) The Design Storm Method (CG-1 in the BMP Manual) is applicable to any size of regulated activity. This method requires detailed modeling based on site conditions.

(1) Do not increase the post-development total runoff volume for all storms equal to or less than the two (2)-year 24-hour duration precipitation.

(2) For modeling purposes:

A. Existing (pre-development) non-forested pervious areas must be considered meadow.

B. For computation of pre-development runoff volume, twenty percent (20%) of existing impervious areas, when present, shall be considered meadow.

(b) The Simplified Method (CG-2 in the BMP Manual) provided below is independent of site conditions and should be used if the Design Storm Method is not followed. This method is not applicable to regulated activities greater than one (1) acre or for projects that require design of stormwater storage facilities.

For new impervious surfaces:

(1) Stormwater facilities shall capture at least the first two (2) inches of runoff from all new impervious surfaces.

(2) At least the first one (1) inch of runoff from new impervious surfaces shall be permanently removed from the runoff flow, i.e., it shall not be released into the surface waters of this Commonwealth. Removal options for the first one (1) inch of runoff include reuse, evaporation, transpiration, and infiltration.

(3) Wherever possible, infiltration facilities should be designed to accommodate infiltration of the entire permanently removed runoff; however, in all cases at least the first 0.5 inch of the permanently removed stormwater runoff shall be infiltrated.

(4) This method is exempt from the requirements of Section 937.05.

(Ord. 32-2011. Passed 10-4-11.)

937.05 RATE CONTROLS.

(a) For computation of pre-development peak discharge rates, twenty percent (20%) of the existing impervious area of a project site, when present, shall be considered meadow.

(b) Post-development discharge rates shall not exceed the pre-development discharge rates provided in Section 937.03(b)(3) for the 1-, 2-, 5-, 10-, 25-, 50-, and 100-year 24-hour storms. If it is shown that the peak rates of discharge indicated by the post-development analysis are less than or equal to the peak rates of discharge indicated by the pre-development analysis for 1-, 2-, 5-, 10-, 25-, 50-, and 100-year, 24-hour storms, then the requirements of this section have been met. Otherwise, the applicant shall provide additional controls as necessary to satisfy the peak rate of discharge requirement.

(Ord. 32-2011. Passed 10-4-11.)

937.06 STORMWATER MANAGEMENT FACILITIES FOR PENNSYLVANIA DEPARTMENT OF TRANSPORTATION AND PENNSYLVANIA TURNPIKE COMMISSION ROADWAYS AND ASSOCIATED FACILITIES.

(a) For the purposes of the Act 167 Stormwater Management (Plan) elements, contained within the York County Integrated Water Resources Plan, and this Ordinance, design policy pertaining to stormwater management facilities for Pennsylvania Department of Transportation (PennDOT) and Pennsylvania Turnpike Commission (PTC) roadways and associated facilities is provided in Section 13.7 (Antidegradation and Post Construction Stormwater Management Policy) of PennDOT Publication No. 13M, Design Manual Part 2 (August 2009), as developed, updated, and amended in consultation with the Pennsylvania Department of Environmental Resources (DEP). As stated in DM-2.13.7.D (Act 167 and Municipal Ordinances), PennDOT and PTC roadways and associated facilities shall be consistent with Act 167 Plans. Dm-2.13.7.B (Policy on Antidegradation and Post Construction Stormwater Management) was developed as a cooperative effort between PennDOT and DEP. DM-2.13.7.C (Project Categories) discusses the anticipated impact on the quality, volume, and rate of stormwater runoff.

(b) Where standards in the Act 167 elements of the IWRP and this Ordinance are impractical, PennDOT or the PTC may request assistance from DEP, in consultation with the Municipality and County, to develop an alternative strategy for meeting State water quality requirements and the goals and objectives of the Act 167 elements within the IWRP.

(c) For the purposes of the Act 167 elements in the IWRP and this Ordinance, road maintenance activities are regulated under 25 PA Code Chapter 102.
(Ord. 32-2011. Passed 10-4-11.)

937.07 DESIGN CRITERIA.

(a) Sites located in more than One District - for a proposed development site located within two or more stormwater management district category subareas, the peak discharge rate from any subarea shall meet the discharge requirements for that subarea as indicated in Section 937.03. The calculated peak discharges shall apply regardless of whether the grading plan changes the drainage area by subarea.

(b) Off-Site Areas - Off-site areas which drain through a proposed development site are not subject to release rate criteria when determining allowable peak runoff rates. However, on-site drainage facilities shall be designed to safely convey off-site flows through the development site.

(c) On-Site Areas - On- Site Areas proposed to remain undisturbed as part of the Regulated Activity, including previously developed areas, that are not within the drainage area of any proposed BMPs shall be considered as existing conditions, without considering any reductions in cover type.

(d) "Downstream Hydraulic Capacity Analysis" - Any existing downstream hydraulic capacity analysis shall be conducted in accordance with this Ordinance.

(1) All downstream facilities impacted by the total site area of the Regulated Activity shall be studied to determine if the facility has adequate capacity to handle existing and proposed flows. An impacted downstream facility is one to which the runoff from the total site area of the Regulated Activity comprises more than 50% of the total flow to such a facility. The study shall end at a perennial stream. Downstream facilities include, but are not limited to, manmade or natural swales and open channels, pipes, inlets, culverts, bridges and roadways.

(2) If any private facility is found to be undersized, the applicant shall be responsible for updating the facility in coordination with the Regulated Activity.

(3) If any public facility is found to be undersized or inadequate, the applicant shall work with the Municipality on upgrading the facility in coordination with the Regulated Activity.

(e) Regional Detention Alternatives - For certain areas within the study area, it may be more cost-effective to provide one control facility for more than one development site than to provide an individual control facility for each development site. The initiative and funding for any regional runoff control alternatives are the responsibility of prospective developers. The design of any regional control basins must incorporate reasonable development of the entire upstream watershed. The peak outflow of a regional basin would be determined on a case-by-case basis using the hydrologic model of the watershed consistent with protection of the downstream watershed areas. "Hydrologic model" refers to the calibrated model as developed for the Stormwater Management Plan.

(f) Capacity Improvements of Local Drainage Networks - In certain instances, primarily within the provisional no detention areas, local drainage conditions may dictate more stringent levels of runoff control than those based upon protection of the entire watershed. In these instances, if the developer could prove that it would be feasible to provide capacity improvements to relieve the capacity deficiency in the local drainage network, then the capacity improvements could be provided by the developer in lieu of runoff controls on the development site. Any capacity improvements would be designed based upon development of all areas tributary to the proposed improvement and the capacity criteria specified in Section 937.08. In addition, all new development upstream of a proposed capacity improvement shall be assumed to implement the applicable runoff controls consistent with this Ordinance except that all new development within the entire subarea(s) within which the proposed development site is located shall be assumed to implement the developer's proposed discharge control, if any.

(g) Capacity improvements may also be provided as necessary to implement any regional or subregional detention alternatives.

(h) Where the potential for groundwater and/or surface water contamination exists, based on the proposed use of the Regulated Activity, safeguards shall be incorporated into the site.

(1) For industrial or commercial sites where it is possible that toxic or hazardous substances may come into contact with stormwater runoff, pretreatment of the first-flush (first 1/2 inch) runoff over areas where industrial and commercial operations take place shall be provided. Pretreatment shall include means for separating light and heavy toxic and hazardous substances from the stormwater before the stormwater is conveyed to the general stormwater management facility(ies).

(2) Infiltration systems may be used to handle runoff from commercial or industrial working or parking areas only after the first-flush stormwater from these areas has been pretreated for removal of toxic and hazardous substances.

(i) Roof drains and sump pumps shall discharge to infiltration or vegetative BMPs and to the maximum extent practicable satisfy the criteria for DIAs.
(Ord. 32-2011. Passed 10-4-11.)

937.08 REGULATIONS GOVERNING STORMWATER MANAGEMENT FACILITIES.

(a) Any stormwater facility located on State highway rights-of-way shall be subject to approval by the Pennsylvania Department of Transportation (PennDOT).

(b) Any stormwater management facilities regulated by this Ordinance that would be located in or adjacent to waters of the Commonwealth or wetlands shall be subject to approval by PA DEP through the Joint Permit Application process, or, where deemed appropriate by PA DEP, the General Permit process. When there is a question whether wetlands may be involved, it is the responsibility of the Developer or his agent to show that the land in question cannot be classified as wetlands, otherwise approval to work in the area must be obtained from PA DEP.

(c) Any stormwater management facility located within the vicinity of a Floodplain shall be subject to approval in accordance with PA DEP 25 PA Code Chapter 105 (Floodplain Management) of PA DEP's Rules and Regulations.

(d) All earthmoving activities must be reviewed and approved by the York County Conservation District prior to commencing work.

(e) The design of all stormwater management facilities shall incorporate good engineering principles and practices. The Municipality shall reserve the right to disapprove any design that would result in the occupancy or continuation of adverse hydrologic or hydraulic conditions within the watershed.

(f) The existing points of concentrated drainage that discharge onto adjacent property shall not be altered without permission of the adjacent property owner(s) and shall be subject to any applicable discharge criteria specified in this Ordinance.

(g) Areas of existing diffused drainage discharge shall be subject to any applicable discharge criteria in the general direction of existing discharge, whether proposed to be concentrated or maintained as diffused drainage areas, except as otherwise provided by this ordinance. If diffused flow is proposed to be concentrated and discharged onto adjacent property, the Developer must document that adequate downstream conveyance facilities exist to safely transport the concentrated discharge, or otherwise prove that no erosion, sedimentation, flooding or other harm will result from the concentrated discharge.

(h) Where a development site is traversed by watercourses, drainage easements shall be provided conforming to the line of such watercourses. The terms of the easement shall prohibit excavation, the placing of fill or structures, and any alterations that may adversely affect the flow of stormwater within any portion of the easement. Also, maintaining of vegetation in a natural state within the easement shall be required, except as approved by the appropriate governing authority.

(i) When it can be shown that, due to topographic conditions, natural drainageways on the site cannot adequately provide for drainage, open channels may be constructed conforming substantially to the line and grade of such natural drainageways. Work within natural drainageways shall be subject to approval by PA DEP through the Joint Permit Application process, or, where deemed appropriate by PA DEP, through the General Permit process.

(j) Roof drains must not be connected to streets, sanitary or storm sewers or roadside ditches to promote overland flow and infiltration/percolation of stormwater where advantageous to do so. When it is more advantageous to connect directly to streets or storm sewers, then it shall be permitted on a case by case basis by the Municipality.

(k) Special requirements for areas falling within defined Exceptional Value and High Quality Subwatersheds: The temperature and quality of water and streams that have been declared as exceptional value and high quality is to be maintained as defined in Chapter 93, Water Quality Standards, Title 25 of Pennsylvania Department of Environmental Protection Rules and Regulations. Temperature sensitive BMP's and stormwater conveyance systems are to be used and designed with storage pool areas and supply outflow channels and should be shaded with trees. This will require modification of berms for permanent ponds and the relaxation of restrictions on planting vegetation within the facilities, provided that capacity for volumes and rate control is maintained. At a minimum, the southern half on pond shorelines shall be planted with shade or canopy trees within ten (10) feet of the pond shoreline. In conjunction with this requirement, the maximum slope allowed on the berm area to be planted is 10 to 1. This will lessen the destabilization of berm soils due to root growth. A long term maintenance schedule and management plan for the thermal control BMP's is to be established and recorded for all development sites within defined Exceptional Value and/or High Quality Subwatersheds.

(1) No watersheds within the Municipality are listed as Exceptional Value and/or High Quality Watersheds.
(Ord. 32-2011. Passed 10-4-11.)

937.09 CALCULATION METHODOLOGY.

(a) Stormwater runoff from all development sites shall be calculated using the Rational Method, Modified Rational Method, or a Soil Cover Complex methodology.

(1) Any stormwater runoff calculations involving drainage areas greater than 200 acres, including on- and off-site areas, shall use generally accepted calculation technique that is based on the NRCS Soil Cover Complex method. It is assumed that all methods will be selected by the design professional based on the individual limitations and suitability of each method for a particular site.

(2) The Municipality may allow the use of the Rational Method or Modified Rational Method to estimate peak discharges from drainage areas that contain less than 200 acres.

(3) All calculations consistent with this Ordinance using the Soil Cover Complex method shall us the appropriate design rainfall depths. If a hydrologic computer model such as PSRM or HEC-RAS is used for stormwater runoff calculations, then the duration of rainfall shall be 24 hours. The SCS Rainfall Type II curve shall be used for the rainfall distribution.

(4) For the purposes of pre-development flow rate determination, undeveloped land, including areas to be disturbed as part of the Regulated Activity, shall be considered as "meadow" in good condition, unless the natural ground cover generates a lower curve number or Rational "C" value (i.e., forest), as listed in Tables 1 and 2, respectively.

(5) All calculations using the Rational Method shall use rainfall intensities consistent with appropriate times-of-concentration for overland flow and return periods. Times-of-concentration for overland flow shall be calculated using the methodology presented in Chapter 3 of Urban Hydrology for Small Watersheds, NRCS, TR-55 (as amended or replaced from time to time by NRCS). Time-of-concentration for channel and pipe flow shall be computed using Manning's equation.

(6) Runoff Curve Numbers (CN) for both existing and proposed conditions to be used in the Soil Cover Complex method shall be obtained from Table 1.

(7) Runoff coefficients (c) for both existing and proposed conditions for use in the Rational Method shall be obtained from Table 2.

(8) Where uniform flow is anticipated, the Manning equation shall be used for hydraulic computations such as the capacity of open channels, pipes, and storm sewers. Values for Manning's roughness coefficient (n) shall be consistent with Table 3.

(9) The design of any stormwater detention facilities intended to meet the performance standards of this Ordinance shall be verified by routing the design storm hydrograph through these facilities, using either manual methods or computerized routing. Routing shall be based upon the modified PULS method; other routing methodologies shall be subject to the approval of the Municipal Engineer.

(10) The stormwater collection system shall be designed using the peak discharge computed using the Rational Formula.

(b) Design Standards - Water Carrying Facilities.

(1) All storm sewer pipes, streets, and inlets (excluding detention and retention basin outfall structures) shall be designed for a 10-year storm event. Sole access structures (culverts and bridges) shall be designed to convey the 25-year flood without overtopping the roadway.

A. When a pipe or culvert is intended to convey the discharge from a stormwater management facility, its required capacity shall be computed by the rational method and compared to the peak outflow from the stormwater facility for the 100-Year storm. The greater flow shall govern the design of the pipe or culvert.

B. When a pipe is part of a storm sewer system and crosses the roadway, it shall be designed as a storm sewer with the same design storm as the remainder of the drainage system.

C. Greater design frequencies may be justified on individual projects.

D. A 100-year storm frequency may be required for design of the stormwater collection system to insure that the resultant stormwater runoff from the post-development storm is directed into the management facility.

(2) In general, inlets shall be spaced such that, based upon the Rational Method, tc = 5 min. and 10-year rainfall intensity, the area contributing to the inlet shall not produce a peak runoff of greater than 4 cfs. Also, inlets shall be spaced so that their efficiency, based upon efficiency curves published by the Pennsylvania Department of Transportation, is not less than 65%.

(3) Inlets shall be placed on both sides of the street at low spots and at the upper side of street intersections to prevent stormwater from crossing an intersection. Other devices such as high efficiency grates or perforated pipe may be required if conditions warrant. All inlets at low points along the roadway shall have a 10" curb reveal and shall be equipped with pavement base drain extending 50 feet in either direction, parallel to the centerline of the roadway.

(4) In all cases where drainage is picked up by means of a headwall, the pipe shall be designed as a culvert. Inlet and outlet conditions shall be analyzed. The minimum diameter of culvert shall be 18 inches. The procedure contained in Hydraulic Engineer Circulars No. 5 and No. 13, as prepared by the U. S. Department of Transportation, Federal Highway Administration, Washington, D.C., shall be used for the design of culverts. All culverts shall include concrete headwalls and endwalls.

(5) Guards shall be provided on all intake and outfall structures as well as outlet structures. The guard bars shall be one-half inch (½") diameter galvanized bars on six inch (6") centers attached to the structure with three-eighth inch (3/8") diameter stainless steel anchors. Guards shall also be provided for any pipe opening, 18" in diameter or larger.

(6) Manholes, inlets, headwalls, and endwalls shall conform to the requirements of the PennDOT Publication 408, as modified by the adopted Municipal Standards.

(7) Proposed channels or swales must be able to convey the increased runoff associated with a proposed 100-year return period event within their banks at velocities consistent with protection of the channels from erosion. Acceptable velocities shall be based upon criteria included in the PA DEP Erosion and Sediment Pollution Control Program Manual.

(8) Existing natural or man-made channels or swales must be able to convey proposed 100-year return period runoff without creating any hazard to persons or property.

(9) Stormwater runoff on roadways (i.e. gutter spread, lane encroachment, etc.) shall be controlled in accordance with PennDOT Publications 13M, "Design Manual, Part 2" and 584, "Drainage Manual".

(c) Design Standards - Detention and Retention Basins.

(1) Permanent Detention and Retention Basins shall be designed to meet the following standards:

A. Outlet Control Structures - Outlet control shall be accomplished utilizing (6" diameter or 6" maximum) perforations arranged vertically to provide for positive control of stormwater runoff. Outlet controls shall also provide for modification off the orifice to a smaller diameter through the use of removable plates.

B. Discharge Dispersion - Discharges from piping outlets of management facilities shall be provided with a concrete "level spreader" to convert point discharge back to simulated sheet flow. The length of the level spreader shall be equal to 10 times the outlet pipe diameter (e.g., an 18" discharge pipe would require a 15" wide level spreader).

C. Minimum Bottom Slope - All detention basins shall have a minimum bottom slope of two percent (2%) unless infiltration facilities are provided.

D. The maximum permitted depth for detention or retention basins shall be 6 feet, measured from the bottom of the emergency spillway to the lowest point in the basin.

E. The minimum top width of all basin embankments shall be 8 feet.

F. The maximum permitted side slopes for detention or retention basins shall be 4 horizontal to 1 vertical. In order to obtain a waiver for slopes steeper than 4:1, the plan must include a planting schedule to stabilize the embankments. The proposed vegetation shall be low maintenance varieties.

G. Any stormwater management facility (i.e., detention basin) designed to store runoff and requiring a berm or earthen embankment required or regulated by this Ordinance shall be designed to provide an emergency spillway to handle flow up to and including the 100-year, 24 hour design storm at post-development conditions, assuming the principal outlet structure to be clogged. The height of embankment must be set as to provide a minimum 1 foot of freeboard above the maximum elevation computed for the clogged orifice condition. Should any stormwater management facility require a dam safety permit under PA DEP 25 PA Code Chapter 105, the facility shall be designed in accordance with PA DEP 25 PA Code Chapter 105 and meet the regulations of PA DEP 25 PA Code Chapter 105 concerning dam safety which may be required to pass storms larger than 100-year event.

H. A cutoff trench of impervious material shall be provided within all basin embankments.

I. Where a basin embankment is constructed using fill on an existing 15% or greater slope, the basin must be keyed into the existing grade.

J. Fencing. Any above-ground stormwater management detention/retention facility, that is designed to store at least a two foot (2') depth of runoff, shall be subject to the following fencing requirements:

1. Stormwater facility must be completely surrounded by a chain link fence of not less than four (4) feet in height. Alternative fences and barriers may be permitted upon request to and approval by the Municipality.

2. All gates or doors opening through such enclosure shall be equipped with a self-closing and self-latching device for keeping the gate or door securely closed at all times, when not in actual use.

K. All outlet structures and emergency spillways shall include a satisfactory means of energy dissipation at its outlet to assure conveyance and flow without endangering the safety and integrity of the basin and the downstream drainage area.

L. A concentrated discharge of stormwater to an adjacent property shall be within a natural drainage way or watercourse, or an easement shall be required.

M. Easement - Plans showing outlet control structures shall contain an easement dedication as follows: "An easement is hereby granted to the City of York to access and modify the basin outlet control device at the expense of the Developer so as to function within design parameters."

N. Plans for infiltration must show the locations of existing and proposed septic tank infiltration areas and wells. A minimum 25 foot separation from On Lot Disposal Systems (OLDS) infiltration areas, including replacement areas, is desired and will be evaluated by the Municipality on a case by case basis. However, the separation shall not be less than the PA DEP required 10 feet. Infiltration rates shall be based upon perk and probe tests conducted at the site of the proposed facility. (Ord. 32-2011. Passed 10-4-11.)

937.10 CARBONATE GEOLOGY.

(a) In areas of carbonate geology, a geologist shall certify to the following:

(1) No stormwater management facility will be placed in, over, or immediately adjacent to the following features:

A. Closer than 100 feet from sinkholes

B. Closer than 100 feet from closed depressions

C. Closer than 100 feet from caverns, intermittent lakes, or ephemeral streams

D. Closer than 50 feet from lineaments in carbonate areas

E. Closer than 50 feet from fracture traces

F. Closer than 25 feet from bedrock pinnacles (surface or subsurface)

(2) Stormwater resulting from regulated activities shall not be discharged into sinkholes.

(3) If the developer can prove through analysis that the project site is an area underlain by carbonate geology, and such geologic conditions may result in sinkhole formations, then the project site is exempt from recharge requirements as described in Section 937.04, Volume Control. However, the project site shall still be required to meet all other standards found in this Ordinance.

(4) It shall be the developer's responsibility to verify if the project site is underlain by carbonate geology. The following note shall be attached to all stormwater management plans and signed and sealed by the developer's geologist: "I, _____, certify that the proposed stormwater management facility (circle one) is / is not underlain by carbonate geology."

(5) Whenever a stormwater management facility will be located in an area underlain by carbonate geology, a geological evaluation of the proposed location by a geologist shall be conducted to determine susceptibility to sinkhole formation. The evaluation may include the use of impermeable liners to reduce or eliminate the separation distances listed in the BMP Manual. Additionally, the evaluation shall at a minimum, address soil permeability, depth to bedrock, seasonally high groundwater table, susceptibility for sinkhole formation, suitability of stormwater management facilities, subgrade stability and maximum infiltration capacity in depth of water per unit area.

(6) A detailed soils evaluation of the project site shall be performed to determine the suitability of recharge facilities. The evaluation shall be performed by a qualified professional, and at a minimum, address soil permeability, depth to bedrock, susceptibility to sinkhole formation, and subgrade stability. The general process for designing the infiltration BMP shall be:

A. Site evaluation to determine general areas of suitability for infiltration practices.

B. Provide field test throughout the area proposed for development to determine appropriate percolation rate and/or hydraulic conductivity. At least one (1) infiltration test must be included in each soil group and at least one (1) infiltration test must be conducted for each five (5) lots proposed for development. Infiltration tests must be taken at the location and depth of all proposed infiltration structures.

C. Design infiltration structure for required storm volume based on all available data.

(7) Extreme caution shall be exercised where infiltration is proposed in geologically susceptible areas such as strip mine or limestone areas. It is also extremely important that the design professional evaluate the possibility of groundwater contamination from the proposed infiltration/recharge facility and recommend a hydrogeologic justification study be performed if necessary. Whenever a basin will be located in an area underlain by limestone, a geological evaluation of the proposed location shall be conducted to determine susceptibility to sinkhole formations. The design of all facilities over carbonate formations shall include measures to prevent ground water contamination and, where necessary, sinkhole formation. The infiltration requirement in the High Quality/Exceptional Waters shall be subject to the Department's Chapter 93 and Anti-degradation Regulations. A detailed hydrogeologic investigation may be required by the Municipality and where appropriate, the Municipality may require the installation of an impermeable liner in detention basins.

(Ord. 32-2011. Passed 10-4-11.)

937.11 EROSION AND SEDIMENTATION CONTROL REQUIREMENTS.

(a) As required in Section 937.01(d), whenever the vegetation and topography are to be disturbed, such activity must be in conformance with PA DEP 25 PA Code Chapter 105, Rules and Regulations, Part I, Subpart C, protection of natural Resources, Article II, Water Resources, Chapter 102, "Erosion Control", and in accordance with the York County Conservation District.

(b) It is extremely important that strict erosion and sedimentation control measures be applied surrounding infiltration structures during installation to prevent the infiltrative surfaces from becoming clogged. Additional erosion and sedimentation control design standards and criteria must be applied where infiltration BMPs are proposed shall include the following:

(1) Areas proposed for infiltration BMPs shall be protected from sedimentation and compaction during the construction phase, so as to maintain their maximum infiltration capacity.

(c) Fencing for sedimentation basins or traps must comply with Section 937.09(c)(1).J.

(d) The developer shall demonstrate that the post-development hydrograph flows during erosion and sedimentation control phase are less than or equal to the pre-development hydrograph flows to assure the rate and volume of runoff leaving the site is controlled for the 2-, 5-, and 10-year frequency storms. All calculation methodology shall be in accordance with Sections 937.03 through Section 937.10.

(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 938
Stormwater Management (SWM)
Site Plan Requirements

938.01 PLAN REQUIREMENTS.

Although not a requirement of this Ordinance, prior to proceeding with SWM Site Plan preparation and submission, the applicant is encouraged to request a pre-application meeting with the Municipality, Municipality's Engineer and a staff member of the York County Conservation District to discuss the plan concept and responsibility for submission of required documents and information.

The following items shall be included in the SWM Site Plan:

(a) Appropriate sections of the Municipality's Subdivision and Land Development Ordinance, and other applicable ordinances of the Municipality regarding subdivision and land development plan preparation and applicable plan requirements shall be followed in preparing all SWM Site Plans, regardless of whether or not a SWM Site Plan involves a subdivision and/or land development plan. If the Municipality has not adopted a Subdivision and Land Development Ordinance, the content of SWM Site Plans shall follow the plan preparation and applicable plan requirements of the York County Subdivision and Land Development Ordinance.

(b) The Municipality shall not approve any SWM Site Plan that is deficient in meeting the requirements of this Ordinance. At its sole discretion, and in accordance with this Article, when a SWM Site Plan is found to be deficient, the Municipality may either disapprove the submission, or, in the case of minor deficiencies, the Municipality may accept the submission of a revised SWM Site Plan as noted in Section 938.04.

(c) Provisions for permanent access or maintenance easements for all physical SWM BMPs, such as ponds and infiltration structures, as necessary to implement the Operation and Maintenance (O&M) Plan discussed in Section 938.01(e)(9) below.

(d) The following signature block for the municipality:

"(Municipal official or designee), on this date (date of signature), has reviewed and hereby certifies that the SWM Site Plan meets all design standards and criteria of the Municipal Ordinance No. (number assigned to the Ordinance)."

(e) If not required by the Municipal or York County Subdivision and Land Development Ordinance, as specified in Section 938.01(a), the SWM Site Plan shall also provide the following information where applicable:

(1) The overall stormwater management concept for the project, including any additional information required for a Post-Construction Stormwater Management Plan (PCSWMP) as applicable.

(2) A determination of site conditions in accordance with the BMP Manual. A detailed site evaluation shall be completed for projects proposed in areas of carbonate geology or karst topography, as well as for other environmentally sensitive areas, whether natural or manmade, including floodplains, streams, lakes, ponds, hydric soils, wetlands, brownfields and wellhead protection zones.

(3) Stormwater runoff design computations, and documentation as specified in this Ordinance, or as otherwise necessary to demonstrate that the maximum practicable measures have been taken to meet the requirements of this Ordinance, including the recommendations and general requirements in Section 937.01.

(4) Expected project time schedule.
(5) A soil erosion and sediment control plan, where applicable, as prepared for, reviewed, and approved by the York County Conservation District.
(6) The effect of the project in terms of runoff volumes, water quality, and peak flows on surrounding properties and aquatic features, and on any existing stormwater conveyance system that may be affected by the project.
(7) Plan and profile drawings of all SWM BMPs, including drainage structures, pipes, open channels, and swales.
(8) The SWM Site Plan shall show the locations of existing and proposed on-lot wastewater facilities and water supply wells.
(9) The SWM Site Plan shall include an Operation and Maintenance (O&M) Plan for all existing and proposed physical stormwater management facilities. This plan shall address long-term ownership and responsibilities for O&M as well as schedules and costs for O&M activities.
(10) A description of permanent stormwater management techniques, including the construction specifications of the materials to be used for stormwater management facilities.
(11) A notarized signature of the owner of the parcel for which the SWM Site Plan is proposed indicating that they are aware of the plan and will be responsible for the operation and maintenance of the stormwater management facilities.
(12) Existing and proposed land uses.
(13) The location of the proposed regulated activity relative to streets, municipal boundaries, and other significant manmade features.
(14) Significant physical features and associated boundary limits including flood hazard areas, sinkholes, existing drainage courses, and areas of natural vegetation.
(15) The location of existing and proposed utilities, stormwater facilities, sanitary sewers, and water lines on the parcel and within 50 feet of property lines.
(16) Proposed changes to the land surface and vegetative cover, and the type and amount of existing and proposed impervious area.
(17) Existing and proposed structures, buildings, streets, driveways, access drives, and parking areas.
(18) Preferred contour intervals of two (2) feet in moderately sloped areas, and contours at intervals of five (5) feet for slopes in excess of 15%. Dependent upon site conditions, alternative contour intervals proposed by an applicant or his designee may be accepted by the Municipality.
(19) The name of the development, the name and address of the owner of the property, and the name and address of the individual or firm preparing the Plan. Also to be included are the name, address, signature and seal of any registered surveyor (attesting the accuracy of the boundary survey), professional engineer, landscape architect, or professional geologist (for geomorphological assessments) contributing to and/or with a responsibility for any aspect of the Plan where applicable.
(20) Preferred graphic and written scale of one (1) inch equals no more than 50 feet. For parcels of 20 acres or more, the preferred scale is one (1) inch equals no more than 100 feet. Dependent upon site conditions, an alternative scale proposed by the applicant or his designee may be accepted by the Municipality.
(21) North point (arrow).
(22) A map showing all existing manmade features beyond the subject parcel's boundary lines that will be affected by the proposed regulated activities.
(23) Horizontal and vertical profiles of all open channels, including hydraulic capacity.
(24) A note on the plan indicating the location, and responsibility for maintenance of, SWM facilities and/or easements that would be located on adjoining properties as a result of proposed regulated activities, and the location of such facilities and/or easements.
(25) A hydrogeologic assessment of the effects of stormwater runoff on sinkholes where present.

(26) The effect of the proposed regulated activity in terms of runoff volumes and peak flows on adjacent properties and/or any existing municipal stormwater collection system that may receive runoff from the project site.

(27) Drainage flow pathways.

(Ord. 32-2011. Passed 10-4-11.)

938.02 PLAN SUBMISSION.

(a) Three (3) copies of the SWM Site Plan shall be submitted as follows:

(1) Two (2) copies to the Municipality.

(2) One (1) copy to the York County Planning Commission when a SWM Site Plan accompanies a subdivision/land development plan application.

(b) Additional copies shall be submitted as requested by the Municipality or DEP.

(c) The Municipality may establish a fee schedule for the review of SWM Plans, the amount of which shall be set by resolution of the Municipality's governing body.
(Ord. 32-2011. Passed 10-4-11.)

938.03 PLAN REVIEW AND APPROVAL PROCEDURE.

(a) SWM Site Plans shall be reviewed by the municipality for consistency with the provisions of this Ordinance.

(b) Modification Requests:

(1) When reviewing a SWM Site Plan, whether or not the SWM Site Plan is included in a subdivision and/or land development plan application, the Municipality's governing body may, after consulting with DEP as noted in Section 937.01(c), grant a modification of the requirements of one or more provisions of this Ordinance if the literal enforcement will enact undue hardship because of peculiar conditions pertaining to the land in question, provided that such modification will not be contrary to the public interest and that the purpose and intent of the Ordinance is observed.

(2) All requests for a modifications from an applicant shall be in writing and shall accompany and be a part of the application for approval of a SWM Site Plan and/or a subdivision or land development plan as applicable. The request shall state in full the grounds and facts of unreasonableness or hardship on which the request is based, the provision or provisions of the Ordinance involved and the minimum modification necessary.

(3) In granting of any modification, the Municipality may attaché such reasonable conditions and safeguards as it may deem necessary to implement the purposes of the Act 167 Plan and this Ordinance.

(4) The governing body of the Municipality shall keep a written record of all action on requests for modifications. The response of any consultation and/or review by DEP shall be included as an original report if available or otherwise documented in the required written record.

(c) SWM Site Plan Review and Approval Procedure:

(1) If a SWM Site Plan does not involve a subdivision and/or land development, the review of the SWM Site, recommendations, approval, approval with conditions, or disapproval, i.e., the review and decision period, shall occur within forty-five (45) days of submission to the Municipality. However, the Municipality, in its sole discretion, may extend the review and decision period another forty-five (45) days due to the nature of the application and/or site conditions. If an extension of another forty-five (45) days is imposed or granted by the Municipality beyond the first forty-five (45) day review and decision period designated by this paragraph, the Municipality shall notify the applicant in writing and deliver such notice to said applicant within fifteen (15) days of the decision to extend the review and decision period by the Municipality. If no extension is imposed or granted by the Municipality beyond the first forty five (45) day review and decision period, and no decision has been rendered by the Municipality within that period, the SWM Site Plan shall be deemed approved. Similarly, if after a forty-five (45) day extension of the review and decision period has been imposed or granted by the Municipality, and no decision has been rendered by the Municipality within that period, the SWM Site Plan shall be deemed approved.

(2) If a SWM Site Plan involves a subdivision and/or land development plan, the period of time from the submission to the Municipality of the subdivision and/or land development plan application which includes the SWM Plan and the approval, approval with conditions, or disapproval, i.e., review and decision period, shall be 90 days, in accordance with the procedure for approval of plats in Section 508 of the Pennsylvania Municipalities Planning Code.

(3) From the time an application for approval of a plat involving a subdivision or land development plan, whether preliminary or final, which includes a SWM Site Plan, is duly filed with the Municipality, no change or amendment of this Ordinance or other governing ordinance or plan shall affect the decision on such application in accordance with the provisions of the governing ordinances or plans as they stood at the time the application was duly filed, as specified in Section 508. (4) (I) of the Pennsylvania Municipalities Planning Code.

(d) Decision Notification Procedure: In all cases, the decision of the Municipality to approve or disapprove the SWM Site Plan shall be in writing and shall be delivered to the applicant no later than 15 days following the decision. If the SWM Site Plan is disapproved, the written decision by the Municipality shall specify the defects in the application, describe the requirements which were not met, and shall cite the provisions of the Ordinance relied upon. If the SWM Site Plan is approved with conditions, the notification to the applicant shall state the acceptable conditions for approval and the time limit for satisfying such conditions. The time limit for satisfying conditions of approval shall be the time limit prescribed for conditional approval of subdivision and land development plans as stated in the Municipality's Subdivision and Land Development Ordinance, or the York County Subdivision and Land Development Ordinance where applicable.
(Ord. 32-2011. Passed 10-4-11.)

938.04 REVISION OF PLANS.

A revision to a previously submitted SWM Site Plan that involves a change in SWM BMPs, stormwater management facilities, or changes in analytical techniques, or that involves the relocation or redesign of SWM BMPs, or that is necessary because soil or other conditions are not as stated on the SWM Site Plan, as determined by the Municipality, shall require a re-submission of the revised SWM Site Plan in accordance with this Article, including applicable fees. For NPDES permitted sites, any revised SWM Site Plan shall also be re-submitted to the York County Conservation District for review. In the case of a SWM Site Plan which contains minor deficiencies, such as a missing label, omission of a required note or minor construction detail, as determined by the Municipality, the Municipality may accept a re-submission of such SWM Site Plan without the requirement of a review fee, or for a lesser fee as provided for in the Municipalities fee schedule.
(Ord. 32-2011. Passed 10-4-11.)

938.05 RE-SUBMISSION OF DISAPPROVED SWM SITE PLANS.

A disapproved SWM Site Plan may be resubmitted, with the revisions addressing the Municipality's concerns as stated regarding the original submission, to the municipality in accordance with this Article. The applicable review fee must accompany the submission of a revised SWM Site Plan, unless such fee is waived by the Municipality. (See Section 938.04.)
(Ord. 32-2011. Passed 10-4-11.)

938.06 AUTHORIZATION TO CONSTRUCT AND TERM OF VALIDITY.

(a) SWM Site Plans Independent of Subdivision and Land Development Plans. The Municipality's approval of a SWM Site Plan, when such Plan is submitted independent of a subdivision and/or land development plan, authorizes the regulated activities contained in the SWM Site Plan for a maximum term of validity of five (5) years following the date of approval. The Municipality may, in its sole discretion, specify a term of validity shorter than five (5) years in the approval for any specific SWM Site Plan, particularly if the nature of the proposed SWM facilities require more frequent maintenance and/or short-term replacement of certain components. Terms of validity shall commence on the date the Municipality signs the approval for an SWM Site Plan. If an approved SWM Site Plan is not completed according to Section 938.07 within the term of validity, then the Municipality may consider the SWM Site Plan disapproved and may revoke any and all permits. SWM Site Plans that are considered disapproved by the Municipality may be resubmitted in accordance with Section 938.05 of this Ordinance.

(b) SWM Site Plans Included in a Subdivision and/or Land Development Plan. The Municipality's approval of a SWM Site Plan, which is a part of a subdivision and/or land development plan, authorizes that plan and the regulated activities therein so that no subsequent change or amendment in this Ordinance or other governing ordinances or plans shall be applied to affect adversely the right of the applicant to commence and to complete any aspect of the approved development in accordance with the terms of such approval within five years from such approval, as specified in Section 508. (4) (ii) - (vii) of the Pennsylvania Municipalities Planning Code. (Ord. 32-2011. Passed 10-4-11.)

938.07 AS-BUILT PLANS, COMPLETION CERTIFICATE, AND FINAL INSPECTION.

(a) The developer shall be responsible for providing as-built plans of all SWM BMPs included in the approved SWM Site Plan. The as-built plans and an explanation of any discrepancies with the construction plans shall be submitted to the Municipality.

(b) The as-built submission shall include a certification of completion signed by a qualified person verifying that all permanent SWM BMPs have been constructed according to the approved plans and specifications. If any licensed qualified person contributed to the construction plans, then a licensed qualified person must sign the completion certificate.

(c) After receipt of the completion certification by the Municipality, the Municipality may conduct a final inspection to verify compliance with, and accuracy of, the as-built plans.

(d) The financial guarantee, as discussed under Section 940.03, shall not be released by the Municipality until the items in this Section are completed.
(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 939
Construction Inspections

939.01 Schedule of inspections.

939.01 SCHEDULE OF INSPECTIONS.

(a) The Municipal Engineer or his municipal assignee shall inspect phases of the installation of the permanent stormwater management facilities as deemed appropriate by the Municipal Engineer. It is the responsibility of the permittee to notify the Municipal Engineer forty-eight (48) hours in advance of the beginning of construction of stormwater management facilities. Individual residential on-lot stormwater management systems shall be inspected by the Municipal staff.

(b) During any stage of the work, if the Municipal Engineer determines that the permanent stormwater management facilities are not being installed in accordance with the approved Stormwater Management Plan, the Municipality shall revoke any existing approvals issued under this Ordinance until a revised Drainage Plan is submitted and approved, as specified in this Ordinance.
(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 940
Operation and Maintenance

940.01 RESPONSIBILITIES OF DEVELOPERS AND LANDOWNERS.

(a) The Municipality shall make the final determination on the continuing maintenance responsibilities prior to final approval of the SWM Site Plan. The Municipality may require a dedication of such facilities as part of the requirements for approval of the SWM Site Plan. Such a requirement is not an indication that the Municipality will accept the facilities. The Municipality reserves the right to accept or reject the ownership, maintenance, and operating responsibility for any portion of the stormwater management facilities and controls.

(b) Facilities, areas, or structures used as Stormwater Management BMPs shall be enumerated as permanent real estate appurtenances and recorded in the York County Recorder of Deeds Office as deed restrictions/protective covenants or easements that run with the land.

(c) The Operation and Maintenance (O&M) Plan shall be recorded as a restrictive deed covenant that runs with the land.

(d) The Municipality may take enforcement actions against an owner for any failure to satisfy the provisions of this Article.

(e) No person shall modify, remove, fill, landscape, or alter any SWM BMPs, facilities, areas, or structures without the written approval of the Municipality, with the exception of necessary maintenance activities such as mowing.
(Ord. 32-2011. Passed 10-4-11.)

940.02 OPERATION AND MAINTENANCE AGREEMENTS.

(a) Prior to final approval of the SWM Site Plan, the property owner shall sign and record an Operation and Maintenance (O&M) Agreement (see Appendix A) covering all stormwater control facilities which are to be privately owned.

(1) The owner, successor and assigns shall maintain all facilities in accordance with the approved maintenance schedule in the O&M Plan.

(2) The owner shall convey to the Municipality easements to assure access for periodic inspections by the Municipality and maintenance, as necessary.

(3) The owner shall keep on file with the Municipality the name, address, and telephone number of the person or company responsible for maintenance activities; in the event of a change, new information shall be submitted by the owner to the Municipality within ten (10) working days of the change.

(b) The owner is responsible for operation and maintenance (O&M) of the SWM BMPs. If the owner fails to adhere to the O&M Agreement, the municipality may perform the services required and charge the owner appropriate fees. Nonpayment of fees may result in a lien against the property.

(c) The Municipality is exempt from the requirement to sign and record an Operation and Maintenance Agreement.
(Ord. 32-2011. Passed 10-4-11.)

940.03 PERFORMANCE GUARANTEE.

For SWM Site Plans that involve subdivision and land development, the applicant shall provide a financial guarantee to the Municipality for the timely installation and proper construction of all stormwater management controls as required by the approved SWM Site Plan and this Ordinance in accordance with the provisions of Sections 509, 510, and 511 of the Pennsylvania Municipalities Planning Code.
(Ord. 32-2011. Passed 10-4-11.)

940.04 MAINTENANCE GUARANTEE.

For SWM Site Plans that involve the dedication of all or some of the required improvements following completion, the Municipality may require the posting of financial security to secure structural integrity of said improvements as well as the functioning of said improvements in accordance with the design and specifications as depicted on the SWM Site Plan for a term not to exceed 18 months from the date of acceptance of dedication. Said financial security shall be of the same type as otherwise required in Section 940.03 with regard to installation of such improvements, and the amount of the financial security shall not exceed 15% of the actual cost of installation of said improvements in accordance with the provisions of Section 509 of the Pennsylvania Municipalities Planning Code.
(Ord. 32-2011. Passed 10-4-11.)

940.05 MUNICIPAL STORMWATER MAINTENANCE FUND.

(a) Persons installing stormwater storage facilities shall be required to pay a specified amount to the Municipal Stormwater Maintenance Fund to help defray costs of periodic inspections and maintenance expenses. The amount of the deposit shall be determined as follows:

(1) If the storage facility is to be privately owned and maintained, the deposit shall cover the cost of periodic inspections performed by Municipality for a period of ten (10) years, as estimated by the Municipal Engineer. After that period of time, inspections expenses will be assessed by Municipality on an as needed basis thereafter.

(2) If the storage facility is to be owned and maintained by Municipality, the deposit shall cover the estimated costs for maintenance and inspections for ten (10) years. The Municipal Engineer will establish the estimated costs utilizing information submitted by the applicant.

(3) The amount of the deposit to the fund shall be converted to present worth of the annual series values. The Municipal Engineer shall determine the present worth equivalents which shall be subject to the approval of the governing body.

(4) The general formula for calculating the annual inspection fee shall be as follows:

A. $I_{Ti} \times I_R \times N_i = I_{ci}$

B. $I_{Ci} + I_{Cii} + \ldots = I_C$

C. $.25 (I_C) = A_C$

D. $I_C + A_C =$ Annual Inspection Cost

E. Where:

1. I_{Ti} = Inspection Time Per SWM BMP (Varies per BMP)
2. I_R = Inspection Rate (Varies per Year)
3. N_i = Quantity of Particular SWM BMP
4. I_{Ci} = Inspection Cost for Particular SWM BMP
5. I_C = Total Inspection Cost of all SWM BMPs
6. A_C = Administrative Cost

(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 941
Fees and Expenses

941.01 General.

941.01 GENERAL.

(a) The developer shall be required to submit a Subdivision/Land Development or Building Permit Application prior to any stormwater management facilities construction. The fee for plan reviews, permit issuance, and inspections shall be established by Resolution of the City Council to defray the following expenses:

(1) The review of the Stormwater Management/Erosion and Sedimentation Control Plan by the Municipal Engineer.
(2) The site inspections.
(3) The inspection of stormwater management facilities and drainage improvements during construction.
(4) The final inspection upon completion of the stormwater management facilities and drainage improvements presented in the Stormwater Management/Erosion and Sedimentation Control Plan.
(5) Any additional work required to enforce any permit provisions regulated by this Ordinance, correct violations, and assure proper completion of stipulated remedial actions.

(b) All fees shall be paid by the Applicant at the time of application and shall be included in the required deposit for review of Subdivision/Land Development Plans.

Any additional costs incurred by City in the administration of this Ordinance shall be charged to the applicant and shall be paid promptly by the Applicant. Upon completion of the construction of the stormwater management facility and upon final approval thereof by the Municipal Engineer, any monies in excess of the Municipality's costs or expenses deposited by the Applicant shall be refunded to the Applicant.

(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 942
Detection and Elimination of Illicit Discharges to the Municipal Separate Storm Sewer System

942.01 ULTIMATE RESPONSIBILITY.

The standards set forth herein and promulgated by this Article are minimum standards; therefore, this Article does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants.
(Ord. 32-2011. Passed 10-4-11.)

942.02 PROHIBITION OF ILLICIT DISCHARGES.

(a) No person shall discharge or cause to be discharged in to storm drain system or waters of this Commonwealth any materials, including, but not limited to, pollutants or waters containing pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater. Any discharge in violation of the Article shall be considered illicit discharges, except as exempted below.

(b) The commencement, conduct or continuance of any illicit discharge to the storm drain system or Waters of this Commonwealth is prohibited except as follows:

- Discharges from firefighting activities	- Flows from riparian habitats and wetlands
- Potable water sources including water line flushing	- Uncontaminated water from foundations or from footing drains
- Irrigation drainage	- Lawn watering
- Air conditioning condensate	- Dechlorinated swimming pool discharges (less than one PPM chlorine)
- Springs	- Uncontaminated groundwater
- Water from crawl space pumps	- Water from individual residential car washing
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spill material have been removed) and where detergents are not used	- Routine external building wash down (which does not use detergents or other compounds)
- Diverted stream flows	- Water discharged in well testing for potable water sources
- Groundwater Infiltration to Storm Drains	- Uncontaminated Pumped Groundwater
- Crawl Space Pumps	

(1) Discharges specified in writing by the Municipality as being necessary to protect public health and safety.

(2) Dye testing is an allowable discharge, but requires a verbal notification to the Municipality 48 hours prior to the time of the test

(3) The prohibition shall not apply to any non-stormwater discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of DEP; provided, that the discharge is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations; and, provided, that written approval has been granted for any discharge to the storm drain system and/or Waters of this Commonwealth.

(c) In the event that the Municipality or DEP determines that any of the discharges identified in Section 942.02(b) significantly contribute to pollution of the waters of this Commonwealth, Municipality or DEP will notify the responsible person(s) to cease the discharge. (Ord. 32-2011. Passed 10-4-11.)

942.03 PROHIBITION OF ILLICIT CONNECTIONS.

The construction, use, maintenance or continued existence of Illicit Connections to the storm drain system is prohibited.

(a) This prohibition expressly includes, without limitation, Illicit Connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

(b) A person is considered to be in violation of this Article if the person connects a line conveying sewage to the MS4, or allows such a connection to continue. (Ord. 32-2011. Passed 10-4-11.)

942.04 SUSPENSION OF MS4 ACCESS.

(a) Suspension due to Illicit Discharges in Emergency Situations. The Municipality, the Commonwealth of Pennsylvania and the United States of America may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the MS4 or Waters of the Commonwealth of Pennsylvania, or the United States. If the violator fails to comply with a suspension order issued in an emergency, the Municipality may take such steps as deemed necessary to prevent or minimize damage to the MS4 or Waters of the Commonwealth of Pennsylvania or United States, or to minimize danger to persons, including, without limitations, entering the property for the purpose of disconnecting and/or performing emergency maintenance or repairs to storm sewers. In the event the Municipality must disconnect or perform emergency maintenance and/or repairs, the Municipality may file and attach a municipal lien on the property which is causing Illicit Discharge.

(b) Suspension due to the Detection of Illicit Discharge or Illicit Connection. Any person discharging to the MS4 in violation of this Article may have their MS4 access terminated if such termination would abate or reduce an Illicit Discharge or Illicit Connection. The Municipality will notify a violator of the proposed termination of its MS4 access. The violator may petition the Municipality for a reconsideration and hearing.

(c) A person commits an offense if the person reinstates MS4 access to premises terminated pursuant to this Section, without the prior approval of the authorized enforcement agency. (Ord. 32-2011. Passed 10-4-11.)

942.05 INDUSTRIAL OR CONSTRUCTION ACTIVITY DISCHARGES.

Any person subject to an industrial or construction activity NPDES storm water discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the Municipality prior to the allowing of discharges to the MS4. (Ord. 32-2011. Passed 10-4-11.)

942.06 MONITORING OF DISCHARGES.

(a) Applicability. This section applies to all facilities that have storm water discharges associated with industrial activity, including construction activity.

(b) Access to Facilities.

(1) The Municipality shall be permitted to enter and inspect facilities subject to regulation under this Article as often as may be necessary to determine compliance with this Article. If a discharger has security measures in force which require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the Municipality.

(2) Facility operators shall allow the Municipality ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES permit to discharge storm water, and the performance of any additional duties as defined by state and federal law.

(3) The Municipality shall have the right to set up on any permitted facility such devices as are necessary in the opinion of the Municipality to conduct monitoring and/or sampling of the facility's storm water discharge.

(4) The Municipality has the right to require the discharger to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used to measure stormwater flow and quality shall be calibrated to ensure their accuracy.

(5) Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of the Municipality and shall not be replaced. The costs of clearing such access shall be borne by the operator.

(6) Unreasonable delays in allowing the Municipality access to a permitted facility are a violation of a storm water discharge permit and of this Article. A person who is the operator of a facility with a NPDES permit to discharge storm water associated with industrial activity commits an offense if the person denies the Municipality reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this Article.

(7) If the Municipality has been refused access to any part of the premises from which stormwater is discharged, and the Municipality representative is able to demonstrate probable cause to believe that there may be a violation of this Ordinance, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this Article or any order issued hereunder, or to protect the overall public health, safety, and welfare of the community, then the authorized enforcement agency may seek issuance of a search warrant from any court of competent jurisdiction.

(Ord. 32-2011. Passed 10-4-11.)

942.07 REQUIREMENTS TO PREVENT, CONTROL AND REDUCE STORMWATER POLLUTANTS BY THE USE OF BMPs.

The Municipality will adopt requirements identifying Best Management Practices for any activity, operation, or facility which may cause or contribute to pollution or contamination of storm water, the storm drain system, or Waters of the Commonwealth of Pennsylvania or the United States. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the municipal storm drain system or watercourses through the use of these structural and non-structural BMPs. Further, any person responsible for a property or premises, which is, or may be, the source of an Illicit Discharge, may be required to implement, at said person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the municipal separate storm sewer system. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of storm water associated with industrial activity, to the extent practicable, shall be deemed in compliance with the provisions of this section. These BMPs shall be part of a stormwater pollution prevention plan (SWPP) as necessary for compliance with requirements of the NPDES permit. (Ord. 32-2011. Passed 10-4-11.)

942.08 WATERCOURSE PROTECTION.

Every person owning property through which a watercourse passes, or such person's lessee, shall keep and maintain that part of the watercourse within the property free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the watercourse. In addition, the owner or lessee shall maintain existing privately owned structures within or adjacent to a watercourse, so that such structures will not become a hazard to the use, function, or physical integrity of the watercourse. (Ord. 32-2011. Passed 10-4-11.)

942.09 NOTIFICATION OF SPILLS.

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in Illicit Discharges or pollutants discharging into storm water, the storm drain system, or water of the Commonwealth of Pennsylvania or the United States, said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the authorized enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to Municipality within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years.
(Ord. 32-2011. Passed 10-4-11.)

942.10 ENFORCEMENT.

(a) Whenever the Municipality finds that a person has violated a prohibition or failed to meet a requirement of this Article, the Municipality may order compliance by written notice of violation to the responsible person. Such notice may require without limitation:

(1) The performance of monitoring, analyses, and reporting;
(2) The elimination of Illicit Connections or discharges;
(3) That violating discharges, practices, or operations shall cease and desist;
(4) The abatement or remediation of storm water pollution or contamination hazards and the restoration of any affected property; and
(5) Payment of a fine to cover administrative and remediation costs; and
(6) The implementation of source control or treatment BMPs.

(b) If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work will be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator or assessed as a municipal lien on the property.
(Ord. 32-2011. Passed 10-4-11.)

942.11 APPEALS OF NOTICE OF VIOLATION.

Any person receiving a Notice of Violation may appeal the determination of the Municipality. The notice of appeal must be received within 30 days from the date of the Notice of Violation. A hearing on the appeal before the appropriate authority or his/her designee shall take place within 15 days from the date of receipt of the notice of appeal. The decision of the Municipal authority or their designee shall be final.
(Ord. 32-2011. Passed 10-4-11.)

942.12 ENFORCEMENT MEASURES AFTER APPEAL.

If the violation has not been corrected pursuant to the requirements set forth in the Notice of Violation, or, in the event of an appeal, within 15 days of the hearing representative's decision upholding the decision of the Municipality, then representatives of the Municipality shall enter upon the subject private property and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent, or person in possession of any premises to refuse to allow the Municipality or designated contractor to enter upon the premises for the purposes set forth above. (Ord. 32-2011. Passed 10-4-11.)

942.13 COST OF ABATEMENT OF VIOLATION.

(a) Within 30 days after abatement of the violation, the owner of the property will be notified of the cost of abatement, including administrative costs. The property owner may thereafter file a written protest objecting to the amount of the assessment within 30 days. If the amount due is not paid within a timely manner as determined by the decision of the Municipality or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a Municipal lien on the property for the amount of the assessment.

(b) Any person violating any of the provisions of this Article shall become liable to the Municipality by reason of such violation. The liability shall be paid in not more than 12 equal payments. Interest at the rate of 12 percent per annum shall be assessed on the balance beginning on the 1st day following discovery of the violation.
(Ord. 32-2011. Passed 10-4-11.)

942.14 INJUNCTIVE RELIEF.

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this Article. If a person has violated or continues to violate the provisions of this Article, the Municipality may petition for a preliminary or permanent injunction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.
(Ord. 32-2011. Passed 10-4-11.)

942.15 COMPENSATORY ACTION.

In lieu of enforcement proceedings, penalties, and remedies authorized by this Article, the Municipality may impose upon a violator alternative compensatory actions, such as storm drain stenciling, attendance at compliance workshops, creek cleanup, etc.
(Ord. 32-2011. Passed 10-4-11.)

942.16 VIOLATIONS DEEMED AS PUBLIC NUISANCE.

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this Article is a threat to public health, safety, and welfare, and is declared and deemed a public nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.
(Ord. 32-2011. Passed 10-4-11.)

942.17 CRIMINAL PROSECUTION.

Any person that has violated or continues to violate this any section of this Article 942 shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to a criminal penalty of $1,000 dollars per violation per day and/or imprisonment for a period of time not to exceed 90 days.
(Ord. 32-2011. Passed 10-4-11.)

942.18 ATTORNEY FEES AND COSTS.

The Municipality may recover all attorney's fees, court costs and other expenses associated with enforcement of this Article, either criminal or civil, including sampling and monitoring expenses or other costs of investigation.
(Ord. 32-2011. Passed 10-4-11.)

942.19 REMEDIES NOT EXCLUSIVE.

The remedies listed in this Article are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the Municipality to seek cumulative remedies.
(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 943
Enforcement and Penalties

943.01 RIGHT-OF-ENTRY.

Upon presentation of proper credentials, the Municipality may enter at reasonable times upon any property within the Municipality to inspect the condition of the stormwater structures and facilities in regard to any aspect regulated by this Ordinance.
(Ord. 32-2011. Passed 10-4-11.)

943.02 INSPECTION.

SWM BMPs shall be inspected by the landowner, or the owner's designee, including the Municipality for dedicated and owned facilities, according to the following list of minimum frequencies:

(a) Annually.
  (1) During or immediately after the cessation of a ten (10)-year or greater storm, i.e., a storm of a estimated frequency of recurrence of ten (10) years or greater interval of time.
  (2) A report of all inspections shall be submitted to the Municipality annually.
  (3) All inspection records shall be maintained by the landowner and shall be made available to the Municipality upon written request
  (Ord. 32-2011. Passed 10-4-11.)

943.03 NOTIFICATION.

In the event that a person fails to comply with the requirements of this Ordinance, or fails to conform to the requirements of any permit issued hereunder, the Municipality shall provide written notification of the violation. Such notification shall set forth the nature of the violations and establish a time limit for the correction of these violation(s). Failure to comply within the time specified shall subject such person to the penalty provisions of this Ordinance. All such penalties shall be deemed cumulative and do not prevent the Municipality from pursuing any and all remedies. It shall be the responsibility of the Owner of the real property on which any Regulated Activity is proposed to occur, is occurring, or has occurred, to comply with the terms and conditions of this Ordinance. (Ord. 32-2011. Passed 10-4-11.)

943.04 ENFORCEMENT.

(a) It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM Site Plan, unless specifically exempted in Section 937.02.

(b) It shall be unlawful to violate any Section of this Ordinance.

(c) Inspections regarding compliance with the SWM Site Plan are a responsibility of the Municipality. (Ord. 32-2011. Passed 10-4-11.)

943.05 SUSPENSION AND REVOCATION.

(a) Any approval or permit issued by the Municipality pursuant to this Ordinance may be suspended or revoked for:

(1) Non-compliance with or failure to implement any provision of the approved SWM Site Plan or O&M Agreement.

(2) A violation of any provision of this Ordinance or any other applicable law, ordinance, rule, or regulation relating to the Regulated Activity.

(3) The creation of any condition or the commission of any act during the Regulated Activity which constitutes or creates a hazard, nuisance, pollution, or endangers the life or property of others.

(b) A suspended approval shall be reinstated by the Municipality when:

(1) The Municipality has inspected and approved the corrections to the violations that caused the suspension.

(2) The Municipality is satisfied that the violation has been corrected.

(c) An approval that has been revoked by the Municipality cannot be reinstated. The applicant may apply for a new approval under the provisions of this Ordinance.

(d) If a violation causes no immediate danger to life, public health, or property, at its sole discretion, the Municipality may provide a limited time period for the owner to correct the violation. In these cases, the Municipality will provide the owner, or the owner's designee, with a written notice of the violation and the time period allowed for the owner to correct the violation. If the owner does not correct the violation within the allowed time period, the municipality may revoke or suspend any, or all, applicable approvals and permits pertaining to any provision of this Ordinance. (Ord. 32-2011. Passed 10-4-11.)

943.06 PENALTIES.

(a) Any person, partnership or corporation who or which has violated the provisions of this Ordinance shall, upon being found liable therefore in a civil enforcement proceeding commenced by the Municipality, pay a judgement of not more than one thousand dollars ($1,000.00). No judgement shall commence or be imposed, levied or payable until the date of the determination of a violation by the district justice. If the defendant neither pays nor timely appeals the judgement, the Municipality may enforce the judgement pursuant to the applicable rules of civil procedure. Each day that a violation continues shall constitute a separate violation, unless the district justice determining that there has been a violation further determines that there has been a good faith basis for the person, partnership or corporation violating the Ordinance to have believed that there was no such violation, in which event there shall be deemed to have been only one such violation. The Court of Common Pleas, upon petition, may grant an order of stay, upon cause shown, tolling the per diem judgement pending a final adjudication of the violation and judgement.

(b) The Municipality may institute injunctive, mandamus, or any other appropriate action or proceeding at law or in equity for the enforcement of this Ordinance. Any court of competent jurisdiction shall have the right to issue restraining orders, temporary or permanent injunctions, mandamus or other appropriate forms of remedy or relief.
(Ord. 32-2011. Passed 10-4-11.)

943.07 APPEALS.

(a) Any person aggrieved by any action of the Municipality or its designee, relevant to the provisions of this Ordinance, may appeal to the City Council within 30 days of that action.

(b) Any person aggrieved by any decision of the Municipality, relevant to the provisions of this Ordinance, may appeal to the York County Court of Common Pleas within 30 days of the Municipality's decision.
(Ord. 32-2011. Passed 10-4-11.)

ARTICLE 944
References and Appendices

944.01 References.

944.01 REFERENCES.

(a) Pennsylvania Department of Environmental Protection. No. 363-0300-002 (December 2006), as amended and updated. Pennsylvania Stormwater Best Management Practices Manual. Harrisburg, PA.

(b) Pennsylvania Department of Environmental Protection. No. 363-2134-008 (April 15, 2000), as amended and updated. Erosion and Sediment Pollution Control Program Manual. Harrisburg, PA.

(c) U.S. Department of Agriculture, National Resources Conservation Service (NRCS). National Engineering Handbook. Part 630: Hydrology, 1969-2001. Originally published as the National Engineering Handbook, Section 4: Hydrology. Available from the NRCS online at: http://www.nrcs.usda.gov/.

(d) U.S. Department of Agriculture, Natural Resources Conservation Service. 1986. Technical Release 55: Urban Hydrology for Small Watersheds, 2nd Edition. Washington, D.C.

(e) U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, Hydrometeorological Design Studies Center. 2004-2006. Precipitation-Frequency Atlas of the United States, Atlas 14, Volume 2, Version 3.0, Silver Spring, Maryland. Internet address: http://hdsc.nws.noaa.gov/hdsc/pfds/.

(f) Act of July 31, 1968, P.L. 85, No.247, The Pennsylvania Municipalities Planning Code, as amended.

(Ord. 32-2011. Passed 10-4-11.)

APPENDIX A

OPERATION AND MAINTENANCE (O&M) AGREEMENT

STORMWATER MANAGEMENT BEST MANAGEMENT

PRACTICES (SWM BMPs)

THIS AGREEMENT, made and entered into this _____ day of , 20 _ , by and between , (hereinafter the "Landowner"), and _____, County, Pennsylvania, (hereinafter "Municipality");

WITNESSETH

WHEREAS, the Landowner is the owner of certain real property as recorded by deed in the land records of County, Pennsylvania, Deed Book at page , (hereinafter "Property").

WHEREAS, the Landowner is proceeding to build and develop the Property; and

WHEREAS, the SWM BMP Operation and Maintenance (O&M) Plan approved by the Municipality (hereinafter referred to as the "O&M Plan") for the property identified herein, which is attached hereto as Appendix A and made part hereof, as approved by the Municipality, provides for management of stormwater within the confines of the Property through the use of BMPs; and

WHEREAS, the Municipality, and the Landowner, his successors and assigns, agree that the health, safety, and welfare of the residents of the Municipality and the protection and maintenance of water quality require that on-site SWM BMPs be constructed and maintained on the Property; and

WHEREAS, the Municipality requires, through the implementation of the SWM Site Plan, that SWM BMPs as required by said SWM Site Plan and the Municipal Stormwater Management Ordinance be constructed and adequately operated and maintained by the Landowner, successors, and assigns.

NOW, THEREFORE, in consideration of the foregoing promises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Landowner shall construct the BMPs in accordance with the plans and specifications identified in the SWM Site Plan.

2. The Landowner shall operate and maintain the BMPs as shown on the SWM Plan in good working order in accordance with the specific operation and maintenance requirements noted on the approved O&M Plan.

3. The Landowner hereby grants permission to the Municipality, its authorized agents and employees, to enter upon the property, at reasonable times and upon presentation of proper credentials, to inspect the BMPs whenever necessary. Whenever possible, the Municipality shall notify the Landowner prior to entering the property.

4. In the event the Landowner fails to operate and maintain the BMPs per paragraph 2., the Municipality or its representatives may enter upon the Property and take whatever action is deemed necessary to maintain said BMP(s). It is expressly understood and agreed that the Municipality is under no obligation to maintain or repair said facilities, and in no event shall this Agreement be construed to impose any such obligation on the Municipality.

5. In the event the Municipality, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner shall reimburse the Municipality for all expenses (direct and indirect) incurred within ten (10) days of receipt of invoice from the Municipality.

6. The intent and purpose of this Agreement is to ensure the proper maintenance of the onsite BMPs by the Landowner; provided, however, that this Agreement shall not be deemed to create or effect any additional liability of any party for damage alleged to result from or be caused by stormwater runoff.

7. The Landowner, its executors, administrators, assigns, and other successors in interests, shall release the Municipality from all damages, accidents, casualties, occurrences, or claims which might arise or be asserted against said employees and representatives from the construction, presence, existence, or maintenance of the BMP(s) by the Landowner or Municipality.

8. The Municipality may inspect the BMPs at a minimum of once every three (3) years to ensure their continued functioning. Optionally, at its sole discretion, the Municipality may inspect the BMPs at more or less frequent intervals.

This Agreement shall be recorded at the Office of the Recorder of Deeds of
County, Pennsylvania, and shall constitute a covenant running with the Property and/or equitable servitude, and shall be binding on the Landowner, his administrators, executors, assigns, heirs, and any other successors in interests, in perpetuity.

ATTEST:

WITNESS the following signatures and seals:

(SEAL) For the Municipality:

For the Landowner:

ATTEST:

(City, Borough, Township)
County of , Pennsylvania
I, _____, a Notary Public in and for the county and state aforesaid, whose commission expires on the _____ day of _____, 20 , do hereby certify that
whose name(s) is/are signed to the foregoing Agreement bearing date of the day of , 20 __ , has acknowledged the same before me in my said county and state.

GIVEN UNDER MY HAND THIS day of , 20 .

_____
NOTARY PUBLIC (SEAL)

APPENDIX B

DISCONNECTED IMPERVIOUS AREA (DIA)

B.1. Rooftop Disconnection

When rooftop down spouts are directed to a pervious area that allows for infiltration, filtration, and increased time of concentration, the rooftop may qualify as completely or partially DIA and a portion of the impervious rooftop area may be excluded from the calculation of total impervious area.

A rooftop is considered to be completely or partially disconnected if it meets the requirements listed below:

- The contributing area of rooftop to each disconnected discharge is 500 square feet or less, and
- The soil, in proximity of the roof water discharge area, is not designated as hydrologic soil group "D" or equivalent, and
- The overland flow path from roof water discharge area has a positive slope of five percent (5%) or less.

For designs that meet these requirements, the portion of the roof that may be considered disconnected depends on the length of the overland path as designated in Table B.1.

Table B.1: Partial Rooftop Disconnection

Length of Pervious Flow Path*	**Roof Area Treated as Disconnected**
(ft.)	(% of contributing area)
0 - 14	0
15 - 29	20
30 - 44	40
45 - 59	60
60 - 74	80
75 or more	100

* Flow path cannot include impervious surfaces and must be at least 15 feet from any impervious surfaces.

B.2. Pavement Disconnection

When pavement runoff is directed to a pervious area that allows for infiltration, filtration, and increased time of concentration, the contributing pavement area may qualify as a DIA that may be excluded from the calculation of total impervious area. This applies generally only to small or narrow pavement structures such as driveways and narrow pathways through otherwise pervious areas, e.g., a walkway or bike path through a park.
Pavement is disconnected if the pavement, or area adjacent to the pavement, meets the requirements below:

- The contributing flow path over impervious area is not more than 75 feet, and
- The length of overland flow is greater than or equal to the contributing length, and
- The soil is not designated as hydrologic soil group "D" or equivalent, and
- The slope of the contributing impervious area is five percent (5%) or less, and
- The slope of the overland flow path is five percent (5%) or less.

If the discharge is concentrated at one or more discrete points, no more than 1,000 square feet may discharge to any one point. In addition, a gravel strip or other spreading device is required for concentrated discharges. For non-concentrated discharges along the edge of the pavement, this requirement is waived; however, there must be a provision for the establishment of vegetation along the pavement edge and temporary stabilization of the area until vegetation becomes stabilized.

REFERENCE

Philadelphia Water Department. 2006. Stormwater Management Guidance Manual. Section 4.2.2: Integrated Site Design. Philadelphia, PA.

APPENDIX C

STORMWATER MANAGEMENT DISTRICT WATERSHED MAP

TABLE 1
Runoff Curve Numbers
[From NRCS (SCS) TR-55]

			HYDROLOGIC SOIL GROUP			
LAND USE DESCRIPTION			**A**	**B**	**C**	**D**
Open Space			44	65	77	82
Meadow			30**	58	71	78
Agricultural			59	71	79	83
Forest			36**	60	73	79
Commercial	(85% Impervious)		89	92	94	95
Industrial	(72% Impervious)		81	88	91	93
Institutional	(50% Impervious)		71	82	88	90
Residential						
Average Lot Size	% impervious					
1/8 acre or less*65		77	85	90	92	
1/8 - 1/3 acre	34		59	74	82	87
1/3 - 1 acre	23		53	69	80	85
1 - 4 acres	12		46	66	78	82
Farmstead			59	74	82	86
Smooth Surfaces (Concrete, Asphalt, Gravel or Bare Compacted Soil)			98	98	98	98
Water			98	98	98	98
Mining Newly Graded Areas (Pervious Areas Only)			77	86	91	94

* Includes Multi-Family Housing unless justified lower density can be provided.
** Caution - CN values under 40 may produce erroneous modeling results.
NOTE: Site conditions of bare earth or fallow shall be considered as meadow when choosing a CN value for existing undeveloped conditions.

TABLE 2
RATIONAL RUNOFF COEFFICIENTS
By Hydrologic Soils Group and Overland Slope (%)

	A			B			C			D			
Land Use	0-2%	2-6%	6%+	0-2%	2-6%	6%+	0-2%	2-6%	6%+	0-2%	2-6%	6%+	
Cultivated Land	0.08[a]	0.13	0.16	0.11	0.15	0.21	0.14	0.19	0.26	0.18	0.23	0.31	
	0.14[b]	0.18	0.22	0.16	0.21	0.28	0.20	0.25	0.34	0.24	0.29	0.41	
Pasture	0.12	0.20	0.30	0.18	0.28	0.37	0.24	0.34	0.44	0.30	0.40	0.50	
	0.15	0.25	0.37	0.23	0.34	0.45	0.30	0.42	0.52	0.37	0.50	0.62	
Meadow	0.10	0.16	0.25	0.14	0.22	0.30	0.20	0.28	0.36	0.24	0.30	0.40	
	0.14	0.22	0.30	0.20	0.28	0.37	0.26	0.35	0.44	0.30	0.40	0.50	
Forest	0.05	0.08	0.11	0.08	0.11	0.14	0.10	0.13	0.16	0.12	0.16	0.20	
	0.08	0.11	0.14	0.10	0.14	0.18	0.12	0.16	0.20	0.15	0.20	0.25	
Residential													
Lot Size 1/8 Acre	0.25	0.28	0.31	0.27	0.30	0.25	0.30	0.33	0.38	0.33	0.36	0.42	
	0.33											0.37	0.40
													0.35
													0.39
													0.44
													0.38
													0.42
													0.49
													0.41
													0.45
													0.54
Lot Size 1/4 Acre	0.22	0.26	0.29	0.24	0.29	0.33	0.27	0.31	0.36	0.30	0.34	0.40	
	0.30	0.34	0.37	0.33	0.37	0.42	0.36	0.40	0.47	0.38	0.42	0.52	

Lot Size 1/3 Acre	0.19	0.23	0.26		0.22	0.26	0.30		0.25	0.29	0.34		0.28	0.32	0.39
	0.28	0.32	0.35		0.30	0.35	0.39		0.33	0.38	0.45		0.36	0.40	0.50
Lot Size ½ Acre	0.16	0.20	0.24		0.19	0.23	0.28		0.22	0.27	0.32		0.26	0.30	0.37
	0.25	0.29	0.32		0.28	0.32	0.36		0.31	0.35	0.42		0.34	0.38	0.48
Lot Size 1 Acre	0.14	0.19	0.22		0.17	0.21	0.26		0.20	0.25	0.31		0.24	0.29	0.35
	0.22	0.26	0.29		0.24	0.28	0.34		0.28	0.32	0.40		0.31	0.35	0.46
Industrial	0.67	0.68	0.68		0.68	0.68	0.69		0.68	0.69	0.69		0.69	0.69	0.70
	0.85	0.85	0.86		0.85	0.86	0.86		0.86	0.86	0.87		0.86	0.86	0.88
Commercial 0.71	0.71	0.72		0.71	0.72	0.72		0.72	0.72	0.72		0.72	0.72	0.72	
	0.88	0.88	0.89		0.89	0.89	0.89		0.89	0.89	0.90		0.89	0.89	0.90
Streets	0.70	0.71	0.71		0.71	0.72	0.74		0.72	0.73	0.76		0.73	0.75	0.78
	0.76	0.77	0.79		0.80	0.82	0.84		0.84	0.85	0.89		0.89	0.91	0.95
Open Space	0.05	0.10	0.14		0.08	0.13	0.19		0.12	0.17	0.24		0.16	0.21	0.28
	0.11	0.16	0.20		0.14	0.19	0.26		0.18	0.23	0.32		0.22	0.27	0.39
Parking	0.85	0.86	0.87		0.85	0.86	0.87		0.85	0.86	0.87		0.85	0.86	0.87
	0.95	0.96	0.97		0.95	0.96	0.97		0.95	0.96	0.97		0.95	0.96	0.97

[a] Runoff coefficients for storm recurrence intervals less than 25 years.

[b] Runoff coefficients for storm recurrence intervals 25 years or more.

Source: Rawls, W.J., S.L. Wong and R.H. McCuen, 1981, "Comparison of Urban Flood Frequency Procedures", Preliminary Draft, U. S. Department of Agriculture, Soil Conservation Service, Baltimore, MD.

TABLE 3

Roughness Coefficients (Manning's "n") for Overland Flow (U.S. Army Corps Of Engineers, HEC-1 Users Manual)

Surface Description	n
Dense Growth 0.4	- 0.5
Pasture 0.3	- 0.4
Lawns 0.2	- 0.3
Bluegrass Sod 0.2	- 0.5
Short Grass Prairie	0.1 - 0.2
Sparse Vegetation	0.05 - 0.13
Bare Clay-Loam Soil (eroded)	0.01 - 0.03
Concrete/Asphalt - very shallow depths (less than 1/4 inch)	0.10 - 0.15
- small depths (1/4 inch to several inches)	0.05 - 0.10

Roughness Coefficients (Manning's "n") for Sheet Flow (U.S. Soil Conservation Service Technical Release 55)

Surface Description	n
Smooth Surfaces (concrete, asphalt, gravel, or bare soil)	0.011
Fallow (no residue)	0.05
Cultivated Soils:	
Residue Cover Less Than or 20%	0.06
Residue Cover Greater Than 20%	0.17
Grass:	
Short Grass Prairie	0.15
Dense Grasses	0.24
Bermuda Grass	0.41
Range (natural)	0.13
Woods:	
Light Underbrush	0.40
Dense Underbrush	0.80