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

For the Reporting Period: August 1, 2015 to July 31, 2016

- Annual Report Progress Report
 New Permittee Renewal Permittee

Due Date: October 29, 2016

GENERAL INFORMATION			
Permittee Name:	South Lebanon Township	NPDES Permit No.:	PA133684
Mailing Address:	1800 South 5 th Avenue	Effective Date:	August 1, 2014
City, State, Zip:	Lebanon, PA 17042	Expiration Date:	July 31, 2019
MS4 Contact Person:	James G. Loser, Sr.	Renewal Due Date:	February 2, 2018
Title:	Township Manager	Admin. Extended?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Phone:	717-274-0481	Municipality:	South Lebanon Township
Email:	sltownship@comcast.net	County:	Lebanon
Co-Permittees (if applicable):			

WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Identify all surface waters that receive stormwater discharges from storm sewers within the MS4 urbanized area and provide the requested information (see instructions).					
Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Quittapahilla Creek	TSF	Yes	Urban runoff/storm sewers - flow alteration; bank modifications - other habitat alterations; source unknown - pathogens	Yes	No
UNT to Quittapahilla Creek	TSF	Yes	Urban runoff/storm sewers - flow alteration; bank modifications - other habitat alterations; source unknown - pathogens	Yes	No
Snitz Creek	TSF	Yes	Source Unknown - Pathogens	Yes	No

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

No WLA's are identified for the MS4.

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

Have you completed all MCM activities required by the permit for this reporting period? Yes No

Provide current contact name and phone number information for the required MCMs (if same as page 1, leave blank):

MCM	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts		
#2 Public Involvement/Participation		
#3 Illicit Discharge Detection and Elimination (IDD&E)		
#4 Construction Site Storm Water Runoff Control	Karl Kerchner, Lebanon County Conservation District	(717) 277-5275
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Lebanon County Planning Department	(717) 228-4444
#6 Pollution Prevention / Good Housekeeping		

MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

BMP #1: Develop, implement and maintain a written Public Education and Outreach Program

Measurable Goal: For new permittees a Public Education and Outreach Program (PEOP) shall be developed and implemented during the first year of permit coverage and shall be re-evaluated each permit year thereafter and revised as needed. For renewal permittees, the existing PEOP shall be reviewed and revised as necessary. The permittee's PEOP shall be designed to achieve measurable improvements in the target audience's understanding of the causes and impacts of stormwater pollution and the steps they can take to prevent it.

- For new permittees only, attach the written PEOP or a summary thereof to the first report submitted to DEP.
- If you are not a new permittee, did you complete and submit your written PEOP to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2015 (submitted with previous report)**
- Date of last evaluation of or revision to the PEOP: **Evaluated December 2015**
- What were the plans and goals for public education and outreach for the reporting period?

As reported in the PEOP policy, the overall goal of the program is to increase community involvement in watershed protection through awareness, education, and action. Components of this goal include:

- Making residents aware of their impacts on water quality within the watershed,
- Increasing awareness of residential nutrient runoff,
- Educating residents and businesses about the link between land uses and water quality, and about the Township's role in protecting water resources and managing stormwater runoff, and
- Creating a comprehensive goal and objective program for implementation throughout the full permit cycle.

- Did the MS4 achieve its goal(s) for the PEOP during the reporting period? Yes No

Explain the rationale for your answer:

South Lebanon Township has a complete public education program in place, which is described in detail in the sections below for BMPs #3 and #4 of MCM #1. This public education program encompasses many printed and electronic materials, partnerships with the Lebanon County Conservation District (LCCD) and Lebanon County Clean Water Alliance (LCCWA), attention to stormwater issues at public meetings, and other events. These public outreach devices establish a connection between the public, the Township Board of Supervisors, and the stormwater issues at hand.

The Township has joined together with other local municipalities to form the Lebanon County Clean Water Alliance (LCCWA), and the Township has executed a Memorandum of Understanding with the LCCWA. This organization, which is currently led by the Lebanon County Planning Department, is a coalition of local

government agencies and interested stakeholders who provide leadership in the conservation, protection and enhancement of the water resources of Lebanon County. The Township continued to participate in bi-monthly LCCWA meetings during the permit year.

6. Identify specific plans and goals for public education and outreach for the upcoming year:

The plans and goals for the upcoming year remain the same as those which existed for the previous year. The Township, LCCD, and LCCWA will continue to make available all the pamphlets, flyers, web pages, and other media described in this MCM, and will continue to disseminate stormwater information through various media including public meetings, the Township newsletter, and other formats.

The LCCWA's objectives are to provide a consortium where municipalities can work together to comply with PAG-13 MS4 regulations and to develop programs which will help reduce pollution to the Chesapeake Bay. The LCCWA has created a website to promote the alliance and provide public education and outreach information. The organization plans to maintain this website in the upcoming year. The LCCWA is also planning to conduct an advertising campaign in October 2016 which will consist of stormwater education materials published in newspaper ads and on the Lebanon Daily News' website (ldnews.com). Additionally, the LCCWA sponsored the purchase of several nylon banners in 2014 as stormwater education materials. These banners have the message "Motor oil, fertilizer, pet waste. It's our water, Lebanon County. Let's be careful what we put in it." The banners will be displayed at prominent locations around Lebanon County during the upcoming permit year.

The LCCD plans to continue their own education and outreach program in the upcoming permit year. These activities include guest speakers for local civic groups, school programs such as Envirothon, teacher workshops, and professional education opportunities.

BMP #2: Develop and maintain lists of target audience groups present within the areas served by your MS4

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

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

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

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

1. For new permittees only, attach your published stormwater educational or informational materials to the first report submitted to DEP.
2. If you are not a new permittee, did you complete and submit your published stormwater educational or informational materials to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2015, and submitted with this annual report**
3. Do you have a municipal newsletter? Yes No
If Yes, how often was it published during the reporting period and what MS4-related material did it contain?
South Lebanon Township publishes community newsletters in March and September of each year. The September 2015 newsletter contained several reminders about preventing illicit discharges such as grass clippings, trash, motor oil, fertilizer, etc. from entering the MS4. An explicit reference to the section of the Township's Stormwater Management Ordinance which prohibits illicit discharges was included in the newsletter. The March 2016 newsletter contained information on the Township's spring yard waste cleanup and scheduled street sweeping. The September 2016 newsletter contained additional reminders about how grass clippings can make their way into the MS4, even when they originate far from storm drains, and about how residents can prevent stormwater runoff pollution from

their own residences. This newsletter also contained information and reminders about the Township's fall yard waste and leaf collection program. Please see Appendix A for copies of these newsletters.

4. Do you have a municipal website? Yes No (URL: www.twp.south-lebanon.pa.us)

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

South Lebanon Township has an "MS4 and Stormwater" page on their website which contains 16 stormwater information files and links to sources of stormwater information. Included in this online information are an MS4 update newsletter, the Township's Stormwater Management Ordinance, a stormwater crossword activity for children, EPA's "Protecting Water Quality from Urban Runoff" brochure and "After the Storm" information sheet, a "Backyard Conservation" brochure, DEP's swimming pool discharge guidelines and the "When It Rains, It Drains" brochure, guides to "Build Your Own Rain Barrel" and "Build Your Own Rain Garden" published by the Chesapeake Bay Foundation, and an index map of the Township's MS4. The page also contains links to other agencies' webpages, including PADEP, the Center for Watershed Protection, the Lebanon County Clean Water Alliance, the Quittapahilla Creek Watershed Association, and the Lebanon County Planning Department. A snapshot of the webpage containing all of these links is included in Appendix A.

South Lebanon Township also posts reminders about current events to the top-of-screen banner on the Township's homepage. When MS4-related activities such as yard waste collections or street sweeping are underway, information related to these activities is placed on the homepage. An recent example of a yard waste collection reminder is included in Appendix A.

The Township Website has a separate webpage specifically dedicated to grass clippings. This easily-accessible page reminds residents not to blow grass clippings into the street, references the section of the Township's Stormwater Management Ordinance which prohibits illicit discharges, and describes the detrimental effects caused by grass clippings which get into the MS4. This webpage was included in the 2014-2015 annual report to DEP.

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

The Township continues to discuss stormwater-related issues at Board of Supervisors meetings when issues arise or when a citizen brings up stormwater as a discussion topic.

South Lebanon Township also posts stormwater material on a bulletin board at the Township Building and maintains a selection of stormwater education brochures which are available to the public. The bulletin board contains reminders for residents that fertilizer, pesticides, pet waste, and car wash water are common substances which need to be prevented from getting into the MS4. These posters were included in the 2014-2015 annual report. The Township added a grass clipping notice to the bulletin board in April 2016 which describes the harmful effects that grass clippings have on natural waterbodies after they are transported there through the MS4. This posting also references the section of the Township's Stormwater Management Ordinance which prohibits illicit discharges. A copy of this posting is included in Appendix A.

South Lebanon Township maintains a selection of stormwater education brochures in the lobby of the Township Building, which are available to the public at all times. These educational materials include DEP's "When it Rains, it Drains" brochure, the Township's "Identifying and Reporting Illicit Discharges" brochure, and the Lebanon County Clean Water Alliance's stormwater rack cards. These materials are presented in Appendix A.

The Township also has a rain barrel on display in the Township Building, along with information about where to purchase a rain barrel and how residents can make their own rain barrels. These brochures, along with a picture of the Township's rain barrel, were included in the 2014-2015 annual report.

6. Date of most recent review and/or update to published stormwater educational materials: **Updated July 2016**

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

1. The stormwater materials listed in sections 4 and 5 of this BMP will continue to be published in the upcoming year, both electronically and in hard copy.
2. The Township plans to include stormwater material and reminders in the newsletter, as they have in prior years.
3. The LCCWA plans to publish a newspaper advertisement in October 2016.
4. The LCCWA plans to hang up to 5 stormwater educational banners throughout Lebanon County along busy traffic corridors such as State Route 72 and U.S. Route 422.
5. The Township will continue to be a member of the LCCWA and support its programs and functions, including implementation of the organization's Water Quality Improvement Strategic Action Plan which will guide LCCWA member organizations in meeting their MS4 related obligations.
6. The LCCD will continue to make their own stormwater education materials available at the Conservation District office.

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

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

Identify the two additional methods of distributing stormwater educational materials during the previous year (e.g., displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements, bill stuffers, posters, presentations, conferences, meetings, fact sheets, giveaways, or storm drain stenciling).

The Township relies primarily on the large number of brochures and flyers available to residents from the LCCWA, LCCD, and the Township itself to supplement the educational materials found on the website and in the newsletter. The Township also gives attention to stormwater issues at many public meetings of the Board of Supervisors.

The LCCWA continued its public outreach programs during the reporting period by distributing their stormwater awareness banners to member municipalities for display, and by sponsoring educational advertisements in the Lebanon Daily News twice per year. One of the LCCWA banners, which bears the message "Motor oil, fertilizer, pet waste. It's our water, Lebanon County. Let's be careful what we put in it," was displayed on the Lebanon Valley Rail-to-Trail bridge above Wilhelm Avenue during the month of April 2016. Another banner bearing the same message was displayed on a pedestrian bridge over PA Route 72 in the city of Lebanon during the months of June and October 2015. Pictures of the banner hung at these locations are provided in Appendix A.

LCCWA's newspaper advertisement campaign was conducted in the fall of 2015 and the spring of 2016. Half-page ads were published in the Lebanon Daily News, a daily newspaper which serves South Lebanon Township and surrounding municipalities. The Fall 2015 ad slogan was "Rake It or Leave It," encouraging residents to take advantage of their municipality's leaf collection programs in order to keep leaves out of the MS4. This advertisement was published on October 18, 2015 and also ran on the newspaper's website for the month of October 2015. The circulation number for this edition of the Lebanon Daily News was 14,000, with an additional 30,000 website hits during the month of October 2015. The LCCWA's Spring 2016 newspaper ad was published on May 29, 2016. This ad featured a cartoon of pollutants being swept directly into a storm drain and discharging into a lake, as well as a paragraph telling the reader that pollutants entering the storm drain are conveyed, untreated, to natural waterbodies. The circulation number for this edition of the Lebanon Daily News was 12,200. Copies of these advertisements are presented in Appendix A.

Steve Sherk of Steckbeck Engineering and Surveying, Inc. gave a presentation on illicit discharge detection and elimination at the October 13, 2015 Township Board of Supervisor's meeting. This presentation instructed all residents who attended how to tell the difference between an illicit discharge and a legal discharge, and how to report suspected illicit discharges to the Township. The powerpoint presentation delivered at this meeting is provided in Appendix A, as are the minutes from this meeting.

A general MS4 educational presentation was given to the Rotary Club of Lebanon by Karen Feather, Director of the Center for Municipal and Corporate Sustainability at Lebanon Valley College on October 27, 2015. This presentation described the function of the MS4 and the need to keep pollution-causing materials out of the MS4.

The Center for Municipal and Corporate Sustainability at Lebanon Valley College worked with the LCCWA to obtain grants from the National Fish and Wildlife Foundation and the Center for Watershed Protection to create a county-wide Chesapeake Bay Pollution Reduction Plan. The Center is currently gathering information on completed and proposed stormwater management projects within the MS4's of Lebanon County in order to generate this County-wide plan. An article informing the public of the project and its goals was published in the Lebanon Daily News on January 22, 2016. This article helped increase public awareness about water quality in MS4s and the issues that municipalities face in managing water quality and preventing pollution. A copy of this article is presented in Appendix A.

The Lebanon County Conservation District (LCCD) publishes additional materials such as fact sheets and brochures relating to stormwater issues and general stream health. The LCCD keeps these materials available for visitors to their office and distributes them to the general public at educational events. These materials, which have been provided to the Department in past Annual Reports, include a "Stormwater and Floodplain" information sheet, "Water Conservation Ideas that Protect our Watersheds," "Sediment and Erosion Control Requirements for Agricultural Activities," and "25 Ways to Protect Your Streamside Property."

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

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

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

- a. Opportunities for the public to participate in the decision-making processes associated with the development, implementation, and update of programs and activities related to this General Permit.
- b. Methods of routine communication to groups such as watershed associations, environmental advisory committees, and other environmental organizations that operate within proximity to the permittee's regulated small MS4s or their receiving waters.
- c. Making your periodic reports available to the public on your website, at your municipal offices, or by US Mail upon request.

1. For new permittees only, attach your written PIPP or a summary thereof to the first report submitted to DEP.
2. If you are not a new permittee, did you complete and submit your written PIPP or summary to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2015**

3. Date of last review and/or update to the PIPP: **Reviewed December 2015**

4. Explain how your PIPP addresses items a, b and c of the Measurable Goal:

The public of South Lebanon Township has the opportunity to participate in stormwater management discussions by attending bi-monthly meetings of the Board of Supervisors and speaking at these meetings. Stormwater topics are often discussed prominently at these meetings. All meetings are displayed on the Calendar of Events on the Township's website, and meeting dates are published in the Township's newsletter. Minutes from the Board of Supervisors' meetings are available on the Township's website following approval. Citizens are able to stay well-informed by attending public meetings or viewing the minutes from these meetings.

Members of the Board of Supervisors, residents, Township employees, engineers, developers, and members of the LCCWA, LCCD, Quittapahilla Watershed Association, and other community organizations frequently attend each others' meetings in the greater Lebanon area. This provides a strong network of professionals and citizens who all are working for solutions to stormwater and other watershed issues. Frequent communication is facilitated by this network.

Hard copies of South Lebanon Township's MS4 reports are always available for review at the Township office.

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

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

1. Was an MS4-related ordinance or SOP developed during the reporting period? Yes No
2. If Yes, describe how you advertised the draft ordinance and how you provided opportunities for public review, input and feedback:

3. If an ordinance or SOP was enacted/developed or amended during the reporting period, provide the following information:

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

BMP #3: Regularly solicit public involvement and participation from the target audience groups. This should include an effort to solicit public reporting of suspected illicit discharges. Assist the public in their efforts to help implement your SWMP. Conduct public meetings to discuss the on-going implementation of your SWMP.

***Measurable Goals:** Conduct at least one public meeting per year to solicit public involvement and participation from target audience groups. The public should be given reasonable notice through the usual outlets a reasonable period in advance of each meeting. During the meetings, you should present a summary of your progress, activities, and accomplishments with implementation of your SWMP, and you should provide opportunities for the public to provide feedback and input. Your presentation can be made at specific MS4 meetings or during any other public meeting. Under this MCM, you should document and report instances of cooperation and participation in your activities; presentations you made to local watershed organizations and conservation organizations; and similar instances of participation or coordination with organizations in your community. You also should document and report activities in which members of the public assisted or participated in your meetings and in the implementation of your SWMP, including education activities or organized implementation efforts such as cleanups, monitoring, storm drain stenciling, or others.*

1. Date of the public meeting(s): **The public is welcome to bring stormwater issues before the Board of Supervisors at any regularly scheduled meeting. Stormwater issues, including stormwater topics associated with new development, were discussed at the August 25, 2015; September 8, 2015; October 13, 2015; November 10, 2015; December 8, 2015; January 26, 2016; April 12, 2016; May 10, 2016; and June 28, 2016 meetings.**

2. How were meeting(s) advertised to the public? **These meetings were advertised on the Township's website, in the Township's newsletter, and in the Lebanon Daily News.**

3. Indicate where the meeting(s) were held and the number of attendees:

The Board of Supervisors meetings were held at the South Lebanon Township Building, 1800 South 5th Avenue, Lebanon, PA, 17042. On average, 10-15 people attended each meeting.

4. What types of MS4-related activities did you solicit public involvement and participation for?

Public comment is always invited at any Board of Supervisors' meeting. During the reporting period, several residents came forward with stormwater issues, and several land development plans were approved which included stormwater controls. The minutes from these meetings detail all public comment and action on stormwater issues, and are presented in Appendix A.

Steve Sherk of Steckbeck Engineering and Surveying, Inc. gave a presentation on illicit discharge detection and elimination at the October 13, 2015 Township Board of Supervisor's meeting. This presentation instructed all residents who attended how to tell the difference between an illicit discharge and a permitted discharge, and how to report suspected illicit discharges to the Township. The powerpoint presentation delivered at this meeting is provided in Appendix A, as are the minutes from this meeting.

The annual MS4 review for the 2014-2015 reporting period was given by Dan Cannistraci of Steckbeck Engineering and Surveying, Inc. at the November 10, 2015 Board of Supervisors' meeting. A copy of the report was provided for public review, and several meeting attendees generated questions relating to the report.

The Quittapahilla Creek Garbage Museum, in conjunction with the Quittapahilla Watershed Association and Lebanon Valley College, organize The Ocean Conservancy's International Coastal Cleanup every year in the Lebanon area. The event was held on September 19th, 2015, and volunteers from the Lebanon area and several local organizations cleaned up trash from the streets of the City of Lebanon. Select items were kept for the Quittapahilla Creek Garbage Museum, a local attraction which displays trash and other items collected from Lebanon's waterways in order to draw attention to the issue of illicit discharges and trash being deposited in local MS4's. The flyer from the event, which was posted at the Township Building, is included in Appendix A.

5. What MS4-related activities did the public participate in?

Many Township residents participated in the Township's yardwaste collection programs in 2015 and 2016. This program encompasses the entire Township as well as the entire MS4 area, and greatly benefits the storm sewer system.

The International Coastal Cleanup previously described in Section 4 of this BMP was held on September 19th, 2015. The Lebanon County Conservation District sponsors several events throughout the year which have ties to the MS4 program and environmental education. These include educational events on topics such as low impact development, land development regulations and MS4 regulations, and financial and grant assistance for MS4 projects. The District is also proud to organize the Lebanon County Envirothon every year. This is an educational event for elementary to high school-aged students to learn about a wide range of environmental topics including stormwater and stream health. The results for this year's Envirothon competition are included in Appendix A. The

LCCD also maintains a library of educational materials for school classrooms, administers a variety of workshops to school-age students, and is a partner in the "Treevitalize" program. Brochures which advertise these activities are available to the public at the District's office. A copy of the LCCD's 2015 Annual Report, which provides statistics on the District's public involvement programs, is included in Appendix A.

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

BMP #1: You shall develop and implement a written program for the detection, elimination, and prevention of illicit discharges into your regulated MS4s. Your program shall include dry weather field screening of outfalls for non-stormwater flows, and sampling of dry weather discharges for selected chemical and biological parameters. Test results shall be used as indicators of possible discharge sources.

***Measurable Goal:** For new permittees, the IDD&E program shall be developed during the first year of coverage under this General Permit and shall be implemented and evaluated each year thereafter. For renewal permittees, the existing IDD&E program shall continue to be implemented and evaluated annually. Records shall be kept of all outfall inspections, flows observed, results of field screening and testing, and other follow-up investigation and corrective action work performed under this program.*

1. For new permittees only, attach your written IDD&E program to the first report.
2. If you are not a new permittee, did you complete and submit your written IDD&E program to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2015**
3. Date of last review and/or update to IDD&E program: **Reviewed December 2015**

BMP #2: Develop and maintain a map of your regulated small MS4. The map must also show the location of all outfalls and the locations and names of all surface waters of the Commonwealth (e.g., creek, stream, pond, lake, basin, swale, channel) that receive discharges from those outfalls.

***Measurable Goals:** For new permittees, develop the map(s) of your regulated small municipal separate storm sewer systems and the information on all outfalls from your regulated small MS4 by the end of the fourth (4th) year of permit coverage. For renewal permittees, the existing map(s) of your regulated small MS4 shall be updated and maintained as necessary during each year of coverage under the permit.*

1. Have you completed a map(s) of all outfalls and receiving waters of your storm sewer system? Yes No

2. For new permittees only, attach the completed map to the 4th year Annual Report.
3. Date of last update or revision to map(s): **October 2016**
4. Total number of discharge points in your storm sewer system that:
Discharge directly to surface waters (outfalls): **21, with 77 additional observation points that do not discharge directly to surface waters**
Discharge to storm sewers owned by others: **3**
5. Total number of outfalls that are mapped at this time: **21**

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

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

1. Have you completed a map(s) that includes roads, inlets, piping, swales, catch basins, channels, basins, municipal boundaries and watershed boundaries? Yes No
2. If Yes, is the map(s) on the same map(s) as for outfalls and receiving waters? Yes No
3. For new permittees only, attach the completed map to the 4th year Annual Report.

4. If you are not a new permittee, did you complete and submit your map to DEP? Yes No
If Yes, provide the latest submission date: **A map of the Township's MS4 is submitted with this Annual Report.**
5. Date of last update or revision to map: **October 2016**

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

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

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

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

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

Are you on pace to screen all outfalls twice during the permit term? Yes No
2. For renewal permittees, indicate the percent of outfalls screened during the reporting period: **0% - All were screened in 2014.**

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

3. For all permittees, indicate the percent of outfalls screened that revealed dry weather flows: 0%

4. Did any dry weather flows reveal color, turbidity, sheen, odor, floating or submerged solids? Yes No

5. If Yes for #4, attach all sample results to this report with a map identifying the sample location. Explain the corrective action(s) taken in the attachment.

6. Do you use the "Outfall Reconnaissance Inventory / Sample Collection Field Sheet" provided in the permit?
 Yes No

If No, attach a copy of your monitoring form.

BMP #5: Enact a stormwater management ordinance (municipal entities) or develop an SOP (non-municipal entities) to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

Measurable Goal: Within the first year of coverage under the permit, new permittees shall enact and implement an ordinance from an Act 167 Plan approved by the Department in 2005 or later, the MS4 Stormwater Management Ordinance; or an ordinance that satisfies all applicable requirements in a completed and signed MS4 Stormwater Management Ordinance Checklist. (For non-municipal permittees, new permittees shall develop and implement a Standard Operating Procedure (SOP) within the first year of coverage).

Renewal permittees must continue to maintain, update, implement, and enforce a Stormwater Management Ordinance that satisfies all applicable requirements. (For non-municipal permittees, the SOP satisfies this requirement. If no existing SOP exists, it should be developed during the first year of coverage).

Measurable Goal: New permittees shall submit a letter signed by a municipal official, municipal engineer, or the municipal solicitor as an attachment to their first year report certifying the enactment of an ordinance that meets all applicable requirements of this permit. Renewal permittees shall update their existing ordinance, if necessary, and submit documentation of completion to the Department. (For non-municipal permittees, submit the SOP to the first report).

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that prohibits non-stormwater discharges? Yes No

If Yes, indicate the date of the ordinance or SOP: **Non-stormwater discharges are prohibited by Article IX of South Lebanon Township's Stormwater Management Ordinance (NO. 332), adopted on January 22, 2013. A copy of this ordinance was previously provided to the Department.**

2. For new permittees only, attach an ordinance (or SOP) and letter from an official, engineer or solicitor that prohibits non-stormwater discharges to the first report submitted to DEP.

3. If you are not a new permittee, did you complete and submit your ordinance (or SOP) and letter from an official, engineer or solicitor that prohibits non-stormwater discharges to DEP? Yes No

4. Were there any violations of the ordinance during the reporting period? Yes No

If Yes, describe what enforcement actions were taken for each violation:

An illicit discharge of concrete waste into a storm drain at 908 South Lincoln Avenue was observed by the Township MS4 Engineer in September 2015. A notice of violation letter was sent to the property owner and the building contractor suspected of causing the illicit discharge. The property owner and contractor were provided with Articles VIII and IX of the Township's Stormwater Management Ordinance, which prohibit illicit discharges and outline the potential fines and penalties for illicit discharges.

A resident reported the accumulation of corn stubble and associated farming debris in an inlet at 184 Cobblestone Drive in October 2015. The Township removed the debris, but the property owner was instructed that in the future, she would be responsible for maintaining the inlet as it is not in the road right-of-way.

In November 2015, roadmaster Ron Johnson observed a resident washing a lawn mower in a public street (Homestead Avenue). Mr. Johnson informed the resident of the violation and explained that the Township has an ordinance prohibiting illicit discharges including grass. The resident ceased the activity.

An illicit discharge of laundry waste water into a storm drain at 21 Evergreen Road was observed by the Lebanon County Planning Department in December 2015. A notice of violation letter was sent to the property owner. In addition, the owner was provided with Articles VIII and IX of the Township's Stormwater Management Ordinance, which prohibit illicit discharges and outline the potential fines and penalties for illicit discharges. The resident removed the discharge line from the inlet.

The Township sent notices regarding the disposal of grass clippings in public roadways to five property owners and one contractor during the reporting period. In all instances, a copy of Articles VIII and IX of the Township's Stormwater Management Ordinance was sent to the offender. These articles prohibit illicit discharges and outline the potential fines and penalties for illicit discharges. Repeated violations of the Township's ordinance by any of these residents would result in fines or penalties, as specified in Article VIII.

Details regarding all violations listed above, including copies of letters sent to the violators, are provided in Appendix B.

BMP #6: Provide educational outreach to public employees, business owners and employees, property owners, the general public and elected officials (i.e., target audiences) about the program to detect and eliminate illicit discharges.

Measurable Goals: During each year of permit coverage, appropriate educational information concerning illicit discharges shall be distributed to the target audiences using methods outlined under MCM #1. If not already established, set up and promote a stormwater pollution reporting mechanism (e.g., a complaint line with message recording) by the end of the first year of permit coverage for the public to use to notify you of illicit discharges, illegal dumping or outfall pollution. Respond to all complaints in a timely and appropriate manner. Document all responses, include the action taken, the time required to take the action, whether the complaint was resolved successfully.

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period? Yes No

If Yes, what was distributed? **Illicit discharge detection and elimination information was included in many of the public education materials described in MCM #1. These materials included, but were not limited to, the Township's "Identifying and Reporting Illicit Discharges" brochure, the Township newsletter, and the LCCWA's stormwater banners and rack cards. A "Citizen Complaint Form" is available at the Township building to residents who wish to submit complaints about illicit discharges.**

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

Yes No

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

MCM #4 – CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

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

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

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

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

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

1. For new permittees only, attach the written stormwater associated with construction activities program to the first report submitted to DEP.

2. If you are not a new permittee, did you complete and submit your written stormwater associated with construction activities program to DEP? Yes No

If Yes, provide the latest submission date:

3. Date of last update or revision to the stormwater associated with construction activities program:

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

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

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

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

If Yes, provide the latest submission date:

BMP #3: Develop and implement requirements for construction site operators to control waste at the construction site that may cause adverse impacts to water quality. While sediment is the most common pollutant of concern for MCM #4, there are other types of pollutants that also can be a concern and the intent of this BMP is to address these other types of pollutants, such as, but not limited to, discarded building materials, washout from concrete trucks, chemicals, litter, and sanitary waste.

***Measurable Goal:** New permittees shall establish requirements to address this BMP by the end of the first year of permit coverage. Renewal permittees shall continue to implement existing requirements and update as necessary. This could be implemented by written municipal ordinance/code provisions, by standard notes on the site plans, by any other written format that accomplishes the objectives of this BMP, or by any combination of these measures. The goal of this BMP shall be communicated to construction site operators during pre-construction meetings. This BMP shall be implemented during each year of the MS4 permit. Permittees must prepare and maintain records of site inspections, including dates and results and you must maintain these records in accordance with the Retention of Records requirements in this Permit.*

1. Identify the mechanism(s) in place to regulate construction site operators and wastes produced at construction sites:
2. During the reporting period what has been the results of implementing the mechanism(s) described above?

BMP #4: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public (to the permittee) regarding local construction activities. The permittee shall demonstrate acknowledgement and consideration of the information submitted, whether submitted verbally or in writing.

***Measurable Goal:** Permittees shall establish and implement a tracking system to keep a record of any submitted public information as well as your response, actions, and results. This BMP shall be implemented during each year of coverage under this General Permit and information should be submitted with the each periodic report.*

Describe the tracking system established for documenting public information concerning local construction activities and describe responses taken during the reporting period:

MCM #5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Are you relying on PA's statewide program for MCM #5 BMPs #1 - #3? Yes No

(If No, complete all remaining questions for this MCM; if Yes, skip to BMP #4)

BMP #1: Develop a written procedure that describes how the permittee shall address all required components of this MCM. Guidance can be found in the Pennsylvania Stormwater Best Management Practices Manual.

***Measurable Goal:** The written procedure shall be developed by the end of the first year of permit coverage and be reviewed and updated every permit year thereafter, as needed. The intent of BMP #1 is for the permittee to describe how the listed tasks will be accomplished.*

1. For new permittees only, attach your written procedure for post-construction management to the first report.
2. If you are not a new permittee, did you complete and submit your written procedure for post-construction management to DEP? Yes No

If Yes, provide the latest submission date:

3. Date of last review or update of post-construction management procedure:

BMP #2: Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions. This requirement can be met by ensuring that the selected BMPs comply with the municipal Stormwater Management Ordinance that meets the requirements of the permit.

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

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

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

Measurable Goal: All qualifying development or redevelopment projects shall be inspected during the construction phase to ensure proper installation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were not, installed properly). Permittees not relying on DEP's statewide QLP to satisfy requirements under this BMP shall summarize construction inspections and results in periodic reports. See BMP #6 for requirements related to post-construction inspection and tracking of PCSM BMPs to ensure that the operation and maintenance plan is being implemented.

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

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

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

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

1. Do you have an ordinance (or SOP) to address post-construction stormwater runoff from new and redevelopment projects and does it include sanctions? Yes No
If Yes, indicate the date of the ordinance or SOP: **January 22, 2013**
For new permittees only, attach a copy of the ordinance or SOP.
2. If you are not a new permittee, has the ordinance (or SOP) been submitted to DEP with a letter from an official, engineer or solicitor that certifies the enactment of an ordinance or SOP for PCSM activities? Yes No
3. Do you have authority to take enforcement action for failure to properly operate and maintain stormwater practices/facilities?
 Yes No

BMP #5: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new and redevelopment. Measures also should be included to encourage retrofitting LID into existing development. DEP's Pennsylvania Stormwater Best Management Practices Manual provides guidance on implementing LID practices.

Measurable Goal: *In your inventory of development and redevelopment projects authorized for construction since March 10, 2003, that discharge stormwater to your regulated MS4s, indicate which projects incorporated LID practices and for each project list and track the BMPs that were used.*

Measurable Goal: *Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices. Progress with enacting and updating your ordinances to enable the use of LID practices shall be summarized in the periodic reports.*

1. Identify ordinances enacted or updated during the reporting period to ensure consistency with LID practices:

South Lebanon Township's Stormwater Management Ordinance, adopted on January 22, 2013, requires low impact development practices to be incorporated in stormwater designs to the maximum extent practicable (section 301.K.3).

BMP 6: Ensure adequate operation and maintenance of all post-construction stormwater management BMPs installed at all qualifying development or redevelopment projects (including those owned or operated by the permittee).

Measurable Goal: *Within the first year of coverage under this permit, new permittees shall develop and implement a written inspection program to ensure that stormwater BMPs are properly operated and maintained. The program shall include sanctions and penalties for non-compliance. All permittees shall review and update the inspection program annually and shall continue to implement this BMP.*

Measurable Goal: *An inventory of PCSM BMPs shall be developed by permittees and shall be continually updated during the term of coverage under the permit as development projects are reviewed, approved, and constructed. This inventory shall include all PCSM BMPs installed since March 10, 2003 that discharge directly or indirectly to your regulated small MS4s. The inventory also should include PCSM BMPs discharging to the regulated small MS4 system that may cause or contribute to violation of water quality standard. The inventory shall include:*

- all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003;
- the exact location of the PCSM BMP (e.g., street address);
- information (e.g., name, address, phone number(s)) for BMP owner and entity responsible for BMP Operation and Maintenance (O&M), if different from BMP owner;
- the type of BMP and the year it was installed;
- maintenance required for the BMP type according to the Pennsylvania Stormwater BMP Manual or other manuals and resources;
- the actual inspection/maintenance activities for each BMP;
- an assessment by the permittee if proper operation and maintenance occurred during the year and if not, what actions the permittee has taken, or shall take, to address compliance with O&M requirements.

1. For new permittees only, attach the written inspection program to ensure that stormwater BMPs are properly operated and maintained.

2. If you are not a new permittee, did you complete and submit your written inspection program to ensure that stormwater BMPs are properly operated and maintained to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2015**

3. How do you ensure that stormwater BMPs are properly operated and maintained? Explain if you rely on means other than municipal inspections to ensure adequate O&M (consistent with your stormwater ordinance).

South Lebanon Township's Stormwater Management Ordinance allows for municipal inspections. BMPs which are found to be deficient must be corrected. Upon discovery of a failed or deficient BMP, the Township will issue a notice of violation and give the property owner 30 days to correct the BMP. If the landowner fails to repair the BMP within the 30 days, the Township may perform the necessary maintenance and bill the property owner. If the property owner fails to compensate the Township for the maintenance costs, the Township may file a municipal lein against the property. This O&M program is consistent with section 704 of the South Lebanon Township Stormwater Management Ordinance.

4. Date that inspection program was last reviewed or updated: **December 2015**

5. Total number of sites with PCSM BMPs installed as of the date of this report: **95**
6. Total number of sites inspected during this reporting period: **2**
7. Number of sites found to have PCSM BMP deficiencies: **0**
8. Number of enforcement actions taken during this reporting period: **No enforcement actions were taken by the Township during the reporting period.**

MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

BMP #1: Identify and document all facilities and activities that are owned or operated by the permittee and have the potential for generating stormwater runoff to the regulated small MS4. This includes activities conducted by contractors for the permittee. Activities may include the following: street sweeping; snow removal/deicing; inlet/outfall cleaning; lawn/grounds care; general storm sewer system inspections and maintenance/repairs; park and open space maintenance; municipal building maintenance; new construction and land disturbances; right-of-way maintenance; vehicle operation, fueling, washing and maintenance; and material transfer operations, including leaf/yard debris pickup and disposal procedures. Facilities can include streets; roads; highways; parking lots and other large paved surfaces; maintenance and storage yards; waste transfer stations; parks; fleet or maintenance shops; wastewater treatment plants; stormwater conveyances (open and closed pipe); riparian buffers; and stormwater storage or treatment units (e.g., basins, infiltration/filtering structures, constructed wetlands, etc.).

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

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4? Yes No
2. When was the inventory last reviewed? **December 2015, and provided to DEP in the 2014-2015 Annual MS4 Report.**
3. When was it last updated? **July 2014**
4. How many new facilities and/or activities were added to this inventory during this reporting period?

No new facilities or activities were added to the inventory during this reporting period. A summary of existing facilities and activities was provided to the Department in the 2014-2015 annual report.

Currently, the Township's Road Crew inspects all publicly owned MS4 facilities after every major storm event. This averages to about three to five inspections annually. The facilities are cleaned, repaired, or replaced as necessary.

South Lebanon Township completed its 2015 street sweeping program between April 24, 2015 and June 4, 2015. During this time, the Township swept 44.61 miles of roadways and collected 83.9 tons of material. This material was taken to the Greater Lebanon Refuse Authority landfill on August 3, 2015. The Township completed its 2016 street sweeping program between April 27, 2016 and June 2, 2016. During this time, the Township swept 47.03 miles of roadways and collected 55.65 tons of material, which was taken to the GLRA on October 11 and 12, 2016. Sweeping logs for both 2015 and 2016 are included in Appendix E.

The Township collects yard and leaf waste in the spring and fall months. In 2015, a total of 278.5 tons of yard waste was collected (see the Annual Recycling Report in Appendix E). Leaves were collected and hauled to Natural Soil Products in Tremont, PA. Between September 2015 and January 2016, a total of 296.06 tons of leaves were transported to Natural Soil Products. Tonnage slips for these leaves are provided in Appendix E. Finally, a total of 112 truck loads of brush were collected during the spring 2016 clean-up. The fall 2016 yard waste cleanup and leaf collection began in September 2016.

Waste oil from municipal vehicles is collected and recycled. A 55-gallon drum of oil was recycled at the Lebanon Auto Clinic in December 2015. A dry 55-gallon container of used oil filters was picked up by RecOil, Inc. in February 2016. Copies of receipts for these disposal operations are provided in Appendix E.

Collins Trucking, Inc. pumped out the oil/water separator at the municipal garage in December 2015. The receipt from this cleaning operation is included in Appendix E.

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

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

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

1. For new permittees only, attach the written O&M program to the first Annual Report.
2. If you are not a new permittee, did you complete and submit your written O&M program to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2016**

3. Date of last review or update to O&M program: **December 2015**

BMP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from municipal operations to your regulated small MS4s. The program may be developed and implemented using guidance and training materials that are available from federal, state or local agencies, or other organizations. Any municipal employee or contractor shall receive training. This could include public works staff, building / zoning / code enforcement staff, engineering staff (on-site and contracted), administrative staff, elected officials, police and fire responders, volunteers, and contracted personnel. Training topics should include operation, inspection, maintenance and repair activities associated with any of the municipal operations / facilities identified under BMP #1. Training should cover all relevant parts of the permittee's overall stormwater management program that could affect municipal operations, such as illicit discharge detection and elimination, construction sites, and ordinance requirements.

Measurable Goal: During the first year of permit coverage, new permittees shall develop and implement a training program that identifies the training topics that will be covered, and what training methods and materials will be used. Renewal permittees shall continue to operate under their existing program. All permittees shall review the training program annually, edit it as necessary, and continue to implement it during every year of permit coverage.

Measurable Goal: Your employee training shall occur at least annually (i.e., during each permit coverage year) and shall be fully documented in writing and reported in your periodic reports. Documentation shall include the date(s) of the training, the names of attendees, the topics covered, and the training presenter(s).

1. For new permittees only, attach the written training program to the first Annual Report.
2. If you are not a new permittee, did you complete and submit your written training program to DEP? Yes No
If Yes, provide the latest submission date: **October 29, 2016**
3. Date of last review or update to training program: **December 2015**

4. Identify the date(s) of employee training, the names of attendees, the topics covered, and the training presenters:
An MS4 training session was given by Dan Cannistraci and Steve Sherk, P.E. of Steckbeck Engineering and Surveying, Inc. on October 29, 2015. Thirteen Township employees from the highway, police, and administrative departments attended this training, and their names are listed on the sign-in sheet presented in Appendix E. This training focused on illicit discharge detection while in the field and on good municipal housekeeping practices. The differences between illicit and legal discharges were reviewed in-depth, and examples of these discharges were taken from the Township's Stormwater Management Ordinance. Proper procedures for reporting illicit discharges were reviewed as well. The good housekeeping portion of the presentation focused on proper vehicle operation

and maintenance, material storage and disposal, and the requirement and importance of yearly employee training. Slides from this employee training presentation are provided in Appendix E.

BEST MANAGEMENT PRACTICES (BMPs)

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

At this time, the Township believes that the BMPs described above have been successfully implemented without deficiencies. South Lebanon Township is open to, and continually exploring, innovative ways to complete the requirements of MCMs #1-6, especially by partnering with neighboring municipalities to complete the tasks for a greater area. Examples of this partnering include the Township's MOU's with the LCCWA and LCCD.

MS4 TMDL Plan	Chesapeake Bay Pollutant Reduction Plan (CBPRP)
Is the permittee required to develop an MS4 TMDL Plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is the permittee required to develop a CBPRP? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
What is the status of the TMDL Design Details (if applicable)? <input type="checkbox"/> Under Development (Due Date:) <input type="checkbox"/> Submitted to DEP (Submission Date:) <input type="checkbox"/> Approved by DEP (Approval Date:)	What is the status of the CBPRP (if applicable)? <input type="checkbox"/> Under Development (Due Date:) <input checked="" type="checkbox"/> Submitted to DEP (Submission Date: July 23, 2014) <input type="checkbox"/> Approved by DEP (Approval Date:)

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

South Lebanon Township's CBPRP is currently under review by DEP.

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

South Lebanon Township's CBPRP is currently under review by DEP.

BMP INVENTORY

List all new structural BMPs installed and ongoing non-structural BMPs implemented in the urbanized area during the reporting period that are being used toward achieving load reductions in the permittee's MS4 TMDL Plan and/or CBPRP. Provide a name or description for each BMP, the area, in square feet (sf) that drains to each BMP (drainage area (DA)) (if applicable), the location of the BMP (latitude and longitude), the name of the water body that receives discharges from the BMP (if applicable), the date the BMP was installed or implemented, and whether the BMP was completed pursuant to an NPDES permit for stormwater associated with construction activities or other NPDES permit (check box if done under an NPDES permit).

BMP Name / Description	DA (sf)	Latitude	Longitude	Receiving Waters	Date Installed or Implemented	NPDES Permit?
Infiltration Basin 1 at the Siegrist/Blake Subdivision	192,100	40°19'15"	76°24'43"	UNT to the Quittapahilla Creek	Summer 2016	<input checked="" type="checkbox"/>
Infiltration Basin 2 at the Siegrist/Blake Subdivision	109,300	40°19'20"	76°24'44"	UNT to the Quittapahilla Creek	Summer 2016	<input checked="" type="checkbox"/>
Water Quality Basin 1 at the Sechler Family Cancer Care Center	85,800	40°19'5"	76°24'56"	Snitz Creek	Summer 2015	<input checked="" type="checkbox"/>
Water Quality Basin 2 at the Sechler Family Cancer Care Center	149,800	40°19'5"	76°24'52"	Snitz Creek	Summer 2015	<input checked="" type="checkbox"/>
Detention Basin 1 at the Long Lane Meadows Phase 2 Subdivision	78,400	40°19'32"	76°24'56"	UNT to the Quittapahilla Creek	Spring 2016	<input checked="" type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>
		0 1 "	0 1 "			<input type="checkbox"/>

OTHER REQUIRED REPORT ELEMENTS

Identify the progress towards achieving the statutory requirements of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP) and complying with water quality standards.

South Lebanon Township's Stormwater Management Ordinance, passed on January 22, 2013, was enforced for all regulated activities in the Township. The stormwater management ordinance includes a prohibition against most non-stormwater discharges, and provides rate, volume, and water quality control requirements for new land developments. The ordinance also requires low impact development technologies to be utilized in new development to the maximum extent practicable.

Provide a summary of stormwater activities planned during the next reporting cycle (not identified previously in this report):

- 1. Continue enforcement of the Township's stormwater management ordinance.**
- 2. Continue participation in the LCCWA and implementation of the LCCWA's Water Quality Improvement Strategic Action Plan Scope of Work.**
- 3. Continue all operation and maintenance practices for Township-owned BMPs.**
- 4. Hold an annual MS4 presentation at a regularly-scheduled Board of Supervisors meeting during the upcoming permit term.**
- 5. Continue fielding questions and comments about MS4 issues from the public.**
- 6. Continue to conduct annual MS4 employee training.**

Provide a summary of notices, intergovernmental agreements and other relevant documents if the permittee is relying on another governmental entity to satisfy any of its permit obligations

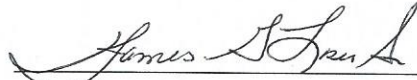
A memorandum of understanding between South Lebanon Township and the Lebanon County Clean Water Alliance permits the Borough to benefit from the LCCWA's public education and outreach programs. A copy of this MOU was provided to DEP in the 2014-2015 annual report.

A memorandum of understanding between the Lebanon County Conservation District and South Lebanon Township delegates the responsibility of reviewing all Erosion and Sedimentation Control Plans to LCCD. A copy of this MOU was provided to DEP in the 2014-2015 annual report.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

James G. Loser, Sr.



Name of Responsible Official

Signature

(717) 274-0481

10-21-16

Telephone No.

Date