



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

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

GENERAL INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Mailing Address: 400 Fayette Street, Suite 200	Effective Date: March 15, 2018
City, State, Zip: Conshohocken, PA 19428	Expiration Date: March 15, 2023
MS4 Contact Person: Stephanie Cecco	Renewal Due Date: September 16, 2022
Title: Borough Manager	Municipality: Borough of Conshohocken
Phone: 610-828-1092	County: Montgomery
Email: scecco@conshohockenpa.org	

Co-Permittees (if applicable):

Appendix(ces) that permittee is subject to (select all that apply):
 Appendix A Appendix B Appendix C Appendix D Appendix E Appendix F

WATER QUALITY INFORMATION

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

Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).

Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Plymouth Creek	WWF	No		No	No
Schuylkill River	WWF	Yes	PCB	Yes	Yes

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

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

List the current entity responsible for implementing each MCM of your SWMP, along with contact name and phone number.

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Borough of Conshohocken Communications Manager	Kate Kosmin	610-828-1092
#2 Public Involvement/Participation	Borough of Conshohocken Communications Manager	Kate Kosmin	610-828-1092
#3 Illicit Discharge Detection and Elimination (IDD&E)	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092
#4 Construction Site Storm Water Runoff Control	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092
#6 Pollution Prevention / Good Housekeeping	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092

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

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

1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?
 Yes No

2. Date of latest annual review of PEOP: September 2018 Were updates made? Yes No

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

The goal for this period was to continue to educate the public on stormwater runoff, the impacts of stormwater pollution, and what steps they can take to prevent stormwater pollution.

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

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

The Borough will continue to use several methods to educate the public on the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. The Borough will continue to publish articles in its newsletter, provide paper materials at the Borough's Administrative Office, provide information electronically on the Borough's website, and discuss stormwater in coordination with the Environmental Advisory Council.

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

1. For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?

Yes No

2. Date of latest annual review of target audience lists: September 2018 Were updates made? Yes No

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

1. For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?

Yes No

2. Date of latest annual review of educational materials: September 2018 Were updates made? Yes No

3. Do you have a municipal website? Yes No (URL:
<http://www.conshohockenpa.gov/information/stormwater-management.aspx>)

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

The website defines stormwater, describes stormwater pollution and how it occurs, provides methods that the public can employ to prevent stormwater pollution, and provides useful DEP and EPA stormwater related links. Links to the Borough's submitted PRP and last annual report are also included.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:
The Borough published a Fall/Winter 2018 and Spring/Summer 2019 Newsletter, which each contained stormwater information. The Borough's stormwater website was also reviewed for potential updates.
5. Identify specific plans for the publication of stormwater materials for the upcoming year:
The Borough plans to continue publishing stormwater information in the Newsletters as well as maintaining the Borough website to review for potential updates.

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

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

Pamphlets and brochures related to stormwater management can be found at the Borough's Administrative Office. Storm drains throughout the Borough have been labeled with stormwater medallions to notify the public that they drain to streams.

MCM #1 Comments:

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

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

1. For new permittees only, was the PIPP developed and implemented within one year of permit coverage?
 Yes No
2. Date of latest annual review of PIPP: September 2018 Were updates made? Yes No

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

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

A PRP was developed during the reporting period to address the requirements of the MS4 NOI. Request for public comment was published in the Times Herald on June 13, 2018, which referenced the public comment period, and a presentation on the Plan was held at the June 20, 2018 Council meeting. A copy of the submitted PRP was/is available on the Borough's stormwater page of its website and a paper copy was also available for review the Borough's Administrative Office. The PRP was submitted to the DEP on August 9, 2018.

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

Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP
MS4 Pollutant Reduction Plan for the Plymouth Creek	June 13, 2018	June 20, 2018	August 9, 2018

BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods.

1. At least one public meeting or other MS4 event must be held during the 5-year permit coverage period to solicit participation and feedback from target audience groups. Was this meeting or event held during the reporting period?

Yes No If Yes, Date of Meeting or Event: June 20, 2018, December 19, 2018, and February 6, 2019
Council meetings plus numerous public Environmental Advisory Council (EAC) meetings.

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

Public comment is a standard part of each Council meeting, during which time the Borough gives its residents the opportunity to report any MS4 violations as well as any runoff from construction activities.

The Borough's EAC has regularly scheduled public meetings on the 3rd Thursday of each month, which are posted on the Borough website. The EAC plans and holds several events throughout the year to engage the public in stormwater related activities. Several workshops were held at the Conshohocken Free Library in 2018 to involve the public while partnering with this other community organization. The EAC is working to partner with local schools and has worked with various other community partners.

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

Members of the public participate in reporting of potential MS4 violations and runoff from construction activities at Council meetings. Members of the public helped with the EAC's spring and fall cleanups in 2018, which removed 950 lbs and 300 lbs of trash respectively.

MCM #2 Comments:

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

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

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

Yes No

2. Date of latest annual review of IDD&E program: September 2018 Were updates made? Yes No

BMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if applicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls and observation points shall be numbered on the map(s).

1. Have you completed a map(s) that includes all components of BMP #2? Yes No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

2. Date of last update or revision to map(s): September 3, 2014

3. Total No. of Outfalls in MS4: 29 Total No. of Outfalls Mapped: 29

4. Total No. of Observation Points: 0 Total No. of Observation Points Mapped: 0
5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?
- Yes No If Yes, select: Existing Outfall(s) Identified New Outfall(s) Proposed

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the permittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, channels, and any other components of the storm sewer collection system), including privately-owned components of the collection system where conveyances or BMPs on private property receive stormwater flows from upstream publicly-owned components.

1. Have you completed a map(s) that includes all components of BMP #3? Yes No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? Yes No

3. Date of last update or revision to map(s): September 3, 2014

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

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

1. How many unique outfalls (and if applicable observation points) were screened during the reporting period? 6

2. Indicate the percentage of all outfalls screened in the past five years. 20%

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 100%

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

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

6. Do you use the MS4 Outfall Field Screening Report form (3800-FM-BCW0521) provided in the permit?

Yes No

If No, attach a copy of your screening report form.

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

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

If Yes, indicate the date of the ordinance or SOP: March 26, 2008

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? Yes No

If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period? Yes No

If Yes to #3, complete the table below (attach additional sheets as necessary).

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

4. Did you approve any waiver or variance during the reporting period that allowed an exception to non-stormwater discharge provisions of an ordinance or SOP? Yes No

If Yes to #4, identify the entity that received the waiver or variance and the type of non-stormwater discharge approved.

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

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

If Yes, what was distributed? The attached published materials were made available to employees, businesses, and the public during the reporting period.

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

Yes No

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

MCM #3 Comments:

The Borough contracted with a storm sewer televising company to televise the Borough's storm sewer system to determine the condition of its MS4 pipes and review connections. No illicit connections were identified.

MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

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

Yes No

(If Yes, respond to questions for BMP Nos. 1, 2 and 3 only in this section. If No, respond to questions for all BMPs in this section)

BMP #1: The permittee may not issue a building or other permit or final approval to those proposing or conducting earth disturbance activities requiring an NPDES permit unless the party proposing the earth disturbance has valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102.

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)?

Yes No Not Applicable (no building permit applications received)

BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.

During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)?

Yes No Not Applicable (no building permit applications received)

BMP #3: Enact, implement and enforce an ordinance or SOP to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs? Yes No

If Yes, indicate the date of the ordinance or SOP: March 26, 2008

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #4: Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.

Specify the number of E&S Plans you reviewed during the reporting period:

BMP #5: Conduct inspections regarding installation and maintenance of E&S control measures during earth disturbance activities. Maintain records of site inspections, including dates and inspection results, in accordance with the record retention requirements in this permit.

Specify the number of E&S inspections you completed during the reporting period:

BMP #6: Conduct enforcement when installation and maintenance of E&S control measures during earth disturbance activities does not comply with permit and/or regulatory requirements.

Specify the number of enforcement actions you took during the reporting period for improper E&S:

BMP #7: Develop and implement requirements for construction site operators to control waste at construction sites that may cause adverse impacts to water quality. The permittee shall provide education on these requirements to construction site operators.

Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:

BMP #8: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public to the permittee regarding local construction activities.

1. A tracking system has been established for receipt of public inquiries and complaints. Yes No

2. Specify the number of inquiries and complaints received during the reporting period:

MCM #4 Comments:

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

BMP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs? Yes No
If Yes, indicate the date of the ordinance or SOP: March 26, 2008
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment. Measures should also be included to encourage retrofitting LID into existing development. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that encourages and expands the use of LID in new development and redevelopment? Yes No
If Yes, indicate the date of the ordinance or SOP: March 26, 2008
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? Yes No
3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #3: Ensure adequate O&M of all post-construction stormwater management BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale.

1. Do you have an inventory of all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003? Yes No
If Yes to #1, complete Table 1 on the next page.
2. Has proper O&M occurred during the reporting period for all PCSM BMPs? Yes No
3. If No to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.

If you are relying on PA's statewide program for stormwater associated with construction activities, you may skip to MCM #6, otherwise complete all questions for BMPs #4 - #6 in this section.

BMP #4: Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions.

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale):
2. Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?
 Yes No

PCSM BMP INVENTORY

Table 1. To complete the information needed for MCM #5, BMP #3, list all existing structural BMPs that discharge stormwater to the permittee's MS4 that were installed to satisfy PCSM requirements for earth disturbance activities under Chapter 102, and provide the requested information (see instructions).

BMP No.	BMP Name	DA (ac)	Entity Responsible for O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
1				o ' "	o ' "			
2				o ' "	o ' "			
3				o ' "	o ' "			
4				o ' "	o ' "			
5				o ' "	o ' "			
6				o ' "	o ' "			
7				o ' "	o ' "			
8				o ' "	o ' "			
9				o ' "	o ' "			
10				o ' "	o ' "			
11				o ' "	o ' "			
12				o ' "	o ' "			
13				o ' "	o ' "			
14				o ' "	o ' "			
15				o ' "	o ' "			
16				o ' "	o ' "			

BMP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall inspect all qualifying development or redevelopment projects during the construction phase to ensure proper installation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were not, installed properly).

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?
 Yes No Not Applicable (no qualifying projects during reporting period)
2. Has a tracking system been established and maintained to record results of inspections?
 Yes No

BMP #6: Develop a written procedure that describes how the permittee shall address all required components of this MCM.

Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed? Yes No

MCM #5 Comments:

PCSM BMPs were installed as part of the Londonbury at Millenium, Grande at Riverview, and Riverwalk at Millennium developments to satisfy PCSM requirements for earth disturbance activities under Chapter 102.

MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

BMP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for generating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the permittee.

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4? Yes No
2. When was the inventory last reviewed? September 2018
3. When was it last updated? June 2011

BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4.

1. Have you developed a written O&M program for the operations identified in BMP #1? Yes No
2. Date of last review or update to written O&M program: March 2011

BMP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from operations to the regulated small MS4. All relevant employees and contractors shall receive training.

1. Have you developed an employee training program? Yes No
2. Date of last review or update to training program: June 2017 Date of latest training: continuous

3. Training topics covered:
Proper salt removal from vehicles, containment of spills, proper vehicle washing, and report of any spills or violations
4. Name(s) of training presenter(s):
Ray Sokolowski
5. Names of training attendees:
all employees of the Borough's Public Services Department

MCM #6 Comments:

POLLUTANT CONTROL MEASURES (PCMs)

Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable.

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)	September 2019	<input checked="" type="checkbox"/>	
Source Inventory		<input type="checkbox"/>	September 2020
Investigation of Suspected Sources		<input type="checkbox"/>	September 2022
Ordinance/SOP for Controlling Animal Wastes	N/A	<input type="checkbox"/>	N/A

PCM Comments:

Appendix C applies to Schuylkill River PCB Impairment

POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

1. Complete this section if the development and submission of a PRP and/or TMDL Plan was required as an attachment to the latest NOI or application or was required by the permit, regardless of whether DEP has approved the plan(s).

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			Chesapeake Bay
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	August 9, 2018	Pending	Plymouth Creek
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
<input type="checkbox"/> Combined PRP / TMDL Plan			

- Joint Plan (if checked, list the name of the MS4 group or names of all entities participating in the joint plan below)

Joint Plan Participants:

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).

Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	12,903		
<input type="checkbox"/> TMDL Plan (Appendix F)			
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: September 30, 2023

4. Have any modifications to the plan(s) occurred since DEP approval? Yes No

If Yes to #4, was the updated plan(s) submitted to DEP? Yes No

If Yes to #4, did you comply with the public participation requirements of the applicable appendix? Yes No

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

Awaiting comments or approval from the DEP. No existing BMPs were considered towards achieving load reductions and no new BMPs have been installed since the plan has not received DEP comment or approval.

6. Anticipated activities for next reporting period.

To be determined upon receipt of permit and PRP approval from the DEP.

PRP/TMDL Plan Comments:

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

Table 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being used toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed or Implemented	Planning Area?	Ch. 102?	Annual Sediment Load Reduction (lbs/yr)
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	
						o ' "	o ' "		<input type="checkbox"/>	<input type="checkbox"/>	

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

Table 3. List all existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspection	Satisfactory?
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>
						o ' "	o ' "				<input type="checkbox"/>

CERTIFICATION

For PAG-13 Permittees: I have read the latest PAG-13 General Permit issued by DEP and agree and certify that (1) the permittee continues to be eligible for coverage under the PAG-13 General Permit and (2) the permittee will continue to comply with the conditions of that permit, including any modifications thereto. I understand that if I do not agree to the terms and conditions of the PAG-13 General Permit, I will apply for an individual permit within 90 days of publication of the General Permit. I also acknowledge that any facility construction needed to comply with the General Permit requirements shall be designed, built, operated, and maintained in accordance with operative laws and regulations.

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

Stephanie Cecco

Name of Responsible Official

610-828-1092

Telephone No.



Signature

Date

9/25/2019

**BOROUGH OF CONSHOHOCKEN (PAG130013)
MONTGOMERY COUNTY, PENNSYLVANIA
MS4 ANNUAL/PROGRESS REPORT
REPORT PERIOD from JULY 1, 2018 to JUNE 30, 2019**

LIST OF REPORT ATTACHMENTS

MCM #1 – Public Education and Outreach on Storm Water Impacts

- Borough of Conshohocken Newsletter
 - Fall Winter 2018
 - Spring Summer 2019

MCM #2 – Public Involvement/Participation

- Borough Council Agendas and Meeting Minutes
 - June 20, 2018
 - December 19, 2018
 - February 6, 2019
- Environmental Advisory Council Annual Report 2018

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

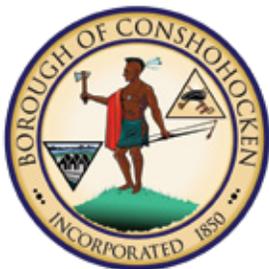
- MS4 Outfall Field Screening Reports
- MS4 Outfall Field Screening Results Report
- Distributed Materials

Pollutant Control Measures – Appendix C

- Storm Sewershed Map for the Schuylkill River

Borough of CONSHOHOCKEN Newsletter

Fall/Winter 2018



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Borough Office: 400 Fayette Street, Suite 200, Conshohocken, Pennsylvania

VISIT US AT CONSHOHOCKENPA.GOV

ENGINEERING

When it Rains, It Drains!

Understanding storm water and how it can affect your money, safety, health and the environment

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 we call 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.

Why is Storm Water “Good Rain Gone Wrong”?

Storm water becomes a problem when it picks up debris, chemicals, dirt, and other pollutants as it flows or when it causes flooding and erosion of stream banks. Storm water travels through a system of pipes and roadside ditches that make up storm sewer systems. It eventually flows directly to a lake, river, stream, wetland, or coastal water. All of the pollutants storm water carries along the way empty into our waters, too, because storm water does not get treated!

Restoring Rain’s Reputation: What Everyone Can Do To Help:

Rain by nature is important for replenishing drinking water supplies, recreation and healthy wildlife habitats. It only becomes a problem when pollutants from our activities like car maintenance, lawn care and dog walking are left on the ground for rain to wash away.

Here are some of the most important ways to prevent storm water pollution:

- Properly dispose of hazardous substances such as used oil, cleaning supplies and paint. NEVER pour them down any part of the storm sewer system, and report anyone who does!
- Use pesticides, fertilizers and herbicides properly and efficiently to prevent excess runoff.
- Look for signs of soil and other pollutants, such as debris and chemicals, leaving construction sites in storm water runoff or tracked into roads by construction vehicles. Report poorly managed construction sites that could impact storm water runoff to us.
- Install rain barrels or rain gardens on residential property, which capture storm water and keep it on site instead of letting it drain away into the storm sewer system.
- Report any discharges from storm water outfalls during times of dry weather – a sign that there could be a problem with the storm sewer system.
- Pick up after pets and dispose of their waste properly. No matter where pets make a mess – in a back yard or at the park – storm water runoff can carry pet waste from the land to the storm sewer system to a stream.
- Store materials that could pollute storm water indoors, and use containers for outdoor storage that do not rust or leak to eliminate exposure of materials to storm water.



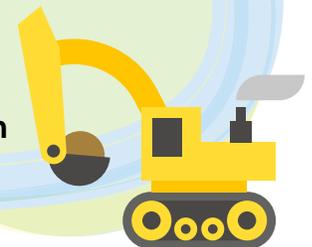
Pet waste left on the ground gets carried away by storm water, contributing harmful bacteria, parasites and viruses to our water.

Vehicles drip fluids (oil, grease, gasoline, antifreeze, brake fluids, etc.) onto paved areas where storm water runoff carries them through our storm drains and into our water.



Chemicals used to grow and maintain beautiful lawns and gardens, if not used properly, can run off into the storm drains when it rains or when we water our lawns and gardens.

Waste from chemicals and materials used in construction can wash into the storm sewer system when it rains. Soil that erodes from construction sites cause environmental degradation, including harming fish and shellfish populations that are important for recreation and our economy.

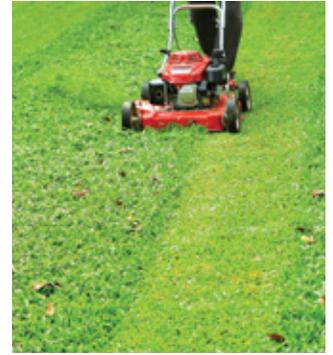


Recycling Grass Clippings

Putting Grass Clippings To Work While You Mow!

Recycling grass clippings means putting them back into your soil. This helps your lawn, helps the environment and makes mowing easier and faster.

- Grass clippings are 100% recyclable
- Grass clippings promote better growth by returning essential plant nutrients to the lawn
- Every trash bag of clippings contains as much as a quarter pound of usable organic nitrogen
- Grass clippings keep the soil cooler and help maintain soil moisture
- Grass clippings enhances topsoil development and improves soil structure
- During the summer, grass clippings can account for more than 50% of all residential trash
- Recycling grass clippings frees up valuable landfill space and reduces landfill methane gas and leachate problems.



LAWN CARE

Recycling grass clippings requires only basic lawn care:

- Mow frequently, each time cutting about ½ inch to 1 inch and never cutting the lawn shorter than 2 to 2 ½ inches in height.
- Keep mower blades sharp to avoid injuring the grass and to minimize the length of the grass clippings.
- Use mulching mower or one that discharges grass clippings evenly
- Do not over fertilize. Too much fertilizer can contaminate surface and ground water and stimulate new growth that will need mowing.
- Do not water excessively. Too much water can increase that need for more frequent moving .

Doctors make the best neighbors.

There's a new approach to health, with you at the center. No matter your healthcare needs, this office is the place for continuous, comprehensive and integrated care.



CONSHOHOCKEN FAMILY PRACTICE

612 Fayette Street, 2nd Floor
Conshohocken, PA 19428
P: 484-622-6500

Jennifer Dupre, MD

Joanna S. Kusmirek, MD

Janis W. Rubin, MD

Randi Zeitzer, MD

Call 484-622-6500 to schedule an appointment.

MULCHING

Avoid recycling grass clippings when your lawn is too tall or the conditions are too wet. Instead, use grass clippings as mulch. Mulching provides a variety of benefits:

- Clipping spreads evenly around the garden and bedding plants help control weeds.
- Mulching shades the soil surface, keeps soil temperatures low and helps to retain moisture.
- Clippings release valuable nutrients as they decompose.

If you can't use your grass clippings, find a neighbor who can. If not, your community may have a yard waste-composting program that will take your lawn clippings.

Avoid mulching with grass clippings that have been recently treated with herbicides that may harm sensitive plants. Instead, leave recently treated clippings on the lawn or place them into a compost bin, where most herbicides will break down.

BENEFITS OF RECYCLING GRASS CLIPPINGS

- Mowing time can be reduced 50% by eliminating the bagging and disposal of clippings.
- You won't need to purchase expensive trash bags.
- Recycling grass clippings saves time and money spent on commercial fertilizers.
- You'll eliminate physical injuries caused by bagging, lifting and carrying grass clippings.

COMPOSTING YARD WASTE

Composting grass clippings and leaves is another time and money saving option for recycling yard waste.

Conshohocken is Single Stream Recycling

Conshohocken's Single Stream Recycling process allows all of your recyclable materials to be placed into one recycling container. The best part is you don't have to separate them. Hence we get the term 'Single Stream Recycling'.

Residents will see trash trucks collecting recyclables. Rest assured the recycled materials are going to the recycling facility, NOT the trash-to-steam plant. Make sure your recycling container is left out before 7am on collection day, at the front edge of your property or nominated collection point.

 **YES** Please Recycle These Items

• Newspapers, inserts & junk mail	• Boxboard (cereal, cake & cracker boxes)
• Magazines, catalogs & envelopes	• Paper egg cartons
• Paperback books & phonebooks	• Paper bags (grocery type)
• Cardboard & clean pizza boxes	• Aluminum cans & clean foil
• Office & school paper (colored paper too)	• Tin & steel aerosol cans (empty)
	• Empty glass jars & bottles
	• All plastic containers labeled

Please remember all containers should be empty and clean. Please remove all lids from plastic containers. Recycling Stickers are also available for any additional container that you may wish to designate for recycling.

Public Services Department
610 East Elm Street, Conshohocken, PA 19428
610-828-1092

 **NO** Do NOT Recycle These Items

• No garbage	• No plastic toys or sporting goods
• No loose plastic bags	• No electronics or batteries
• No food waste	• No compact discs or DVDs
• No food tainted items (used paper plates, paper towels or paper napkins)	• No foam egg cartons
• No polystyrene cups or plates	• No ice cream cartons
• No motor oil bottles	• No light bulbs
• No hazardous chemical containers	• No hangers
	• No yard waste or garden tools

For more information regarding proper disposal of household hazardous waste visit:
<https://www.montcopa.org/637/Recycling-Information>

Fall Leaf Collection

Every year the Public Services Department collects leaves beginning in October and ending in December. The schedule will be posted on the Borough's website.

Fall Leaf Collection Rules and Regulations:

- Leaf piles may extend along the length of your entire property. Please rake your piles to the curb but not into the street.
- Please do not mix limbs, brush, and other debris in the leaf piles. This may result in damage to equipment and injuries to employees.
- Adverse weather conditions may cause delays on posted leaf collection dates.
- Once the leaf collecting machine passes it will NOT return.
- Leaves will not be collected in the trash. Trash with leaves commingled will not be collected.
- Motorists should obey the posted 'no parking' signs and be cautious on all roads during leaf collection season.



Borough of

Spring/Summer 2019

CONSHOHOCKEN

Newsletter



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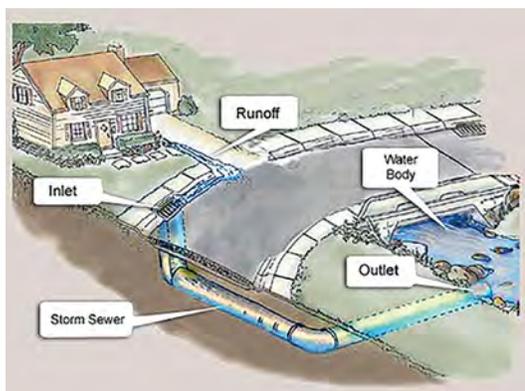
ENGINEERING

Improve Drinking Water

What can you do on your property and in your community to improve the health of your drinking water?

We can all play an active role in converting our streams, rivers, and surrounding green spaces into healthy systems. As a homeowner, your part can be as simple as maintaining your car properly or placing a rain barrel on your property. This will not only help protect our invaluable drinking water sources but they will help restore our waterways and improve quality of life for all residents. When it rains, anything left on your lawn or the roadway gets carried along in the rainwater, entering the storm sewer system, which carries the water into the local streams and rivers – without treatment!

**The goal is:
“Only Rain
Down Your
Drain!”**



Here are a few ideas on how you can help limit the pollutants reaching the rivers:

MAINTAINING YOUR VEHICLE

- Check regularly for drips and oil leaks and fix them promptly.
- Never dump motor oil, antifreeze, transmission fluid or other engine fluids onto the ground, into the roadway, or down a storm drain.

CARING FOR YOUR LAWN

- Use fertilizers sparingly. Lawns and many plants do not need as much fertilizer or need it as often as you may think. Test your soil first to be sure!
- Let your grass clippings lay! Don't bag the grass. Use a mulching lawn mower to cut one-third of the blade length each week and naturally fertilize your lawn in the process.
- Bag up pet waste and put it in the trash.

PLANTERS AND CONTAINER GARDENS:

Planters retain rainfall rather than allowing it to directly drain into nearby storm sewers and streams and can be placed on impervious surfaces like sidewalks, back yards, rooftops, or along the perimeter of a building in order to catch stormwater runoff from the roof.

RAIN BARRELS:

By temporarily holding the stormwater runoff collected from rooftops during rainfall, the collected rain water can be reused after the storm for irrigation to water lawns and gardens. Rain barrels are only effective at stormwater management when the stored water is emptied in between storms, making room in the barrel for the next storm.

Please report any suspect prohibited discharges to Conshohocken Borough at 610-828-1092.

TOWER HEALTH URGENT CARE IS NOW OPEN IN CONSHOHOCKEN.

Walk-In Care for Minor Emergencies

- Convenient care 9 a.m. to 9 p.m.*
- 365 days a year

Our New Location – Conshohocken Borough Building
Corner of 4th Avenue and Fayette Street, 1st Floor

THUrgentCare.org

*Altered hours on Thanksgiving and Christmas

Tower Health Urgent Care
Advancing Health. Transforming Lives.



BOROUGH OF CONSHOHOCKEN

BOROUGH COUNCIL Regular Public Meeting

AGENDA

June 20, 2018

7:00 PM

- 1.) **Call to Order**
- 2.) **Prayer for Council**
- 3.) **Pledge of Allegiance**
- 4.) **Council President Announcements**
 - a. Swearing in of George Metz as Acting Chief of Police, Mayor Aronson
- 5.) **Presentations:**
 - a. Public Hearing on 139 West Eleventh Avenue Conditional Use Application
 - b. Consider 139 West Eleventh Avenue Zoning Hearing Board Application
 - c. Public Hearing on 200 Block of Washington Street, Millennium Block A, Millennium IV Conditional Use Application
 - d. **MS4 Pollutant Reduction Plan, Karen MacNair, Gilmore & Associates**
- 6.) **Consent Agenda** *Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.*
 - a. Approve and adopt the May 2 and May 16 Meeting Minutes
 - b. Approve the May-ending Treasurer's Report and Accounts Payable
- 7.) **Unfinished Business**
 - a. Consider adopting the Borough's Comprehensive Plan
- 8.) **New Business**
 - a. Consider approving recommended revisions to the Historic Conservation Overlay Ordinance and authorizing advertisement of Ordinance No. 04-2018 Historic Conservation Overlay Ordinance Amendment
 - b. Consider approving donation of a Police vehicle to the Washington Fire Company
 - c. Consider approving a fee waiver request, Pitches for PKU
 - d. Consider 428 West 6th Avenue Professional Services Escrow Final Release in the amount of \$146.99, less any legal, engineering and administrative fees.
 - e. Consider approving the Keystone Property Group Extension of the Agreement of Sale and Development Agreement
 - f. Consider appointing Michael E. Peters of Eastburn and Gray, P.C. as Borough Solicitor at the submitted rate schedule.
- 9.) **Public Comment**
- 10.) **Adjournment:**

BOROUGH OF CONSHOHOCKEN BOROUGH COUNCIL
MINUTES OF THE PUBLIC MEETING

Wednesday, June 20, 2018

PUBLIC MEETING

PRESENT: Colleen Leonard, Council President
Jane Flanagan, Council Vice-President
Robert Stokley, Senior Council Member
Anita Barton, Council Member
Tina Sokolowski, Council Member
James Griffin, Council Member
Karen Tutino, Council Member
Yaniv Aronson, Mayor

ALSO PRESENT: Stephanie Cecco, Borough Manager
Michael E. Peters, Interim Borough Solicitor

CALL TO ORDER

The Public Meeting of the Conshohocken Borough Council duly advertised, was held at the Conshohocken Borough Hall, 400 Fayette Street, Conshohocken, PA. Ms. Colleen Leonard, Council President, called the meeting to order at 6:57 PM.

PRAYER FOR COUNCIL

Ms. Flanagan read a Prayer for Council.

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited.

COUNCIL PRESIDENT ANNOUNCEMENTS

Ms. Leonard announced that there was an Executive Session held immediately prior to the meeting regarding legal, property and personnel matters.

George Metz was sworn in as Acting Police Chief of the Borough of Conshohocken.

PRESENTATIONS

a.) Public Hearing on 139 West Eleventh Avenue Conditional Use Application

Mr. Peters opened the hearing and invited Chris Stetler, Borough Zoning Officer, to the podium to provide an overview of the application. Ms. Stetler shared that the application is to permit the construction of an addition to the rear and side of the existing single-family detached on the property and a deck at the rear of the proposed addition. She explained that the property is subject to the Zoning Ordinance's Historic Residential Conservation Overlay District regulations since the dwelling was constructed prior to 1967.

The applicants, Dirk and Lauren Pluschke were present and sworn in. Ms. Pluschke explained that they currently reside in the Borough and wish to continue living here but, in order to do so, must accommodate the needs of their growing family by purchasing a larger home. Mr. Pluschke added that the property is under agreement of sale contingent upon Borough Council's approval of their request for conditional use approval.

Mr. Peters called for public comment. There was no public comment in favor or opposition of the application.

Ms. Stokley made a motion to grant conditional use approval for 139 West Eleventh Avenue, seconded by Ms. Barton. The motion carried 7-0.

b.) Consider 139 West Eleventh Avenue Zoning Hearing Board Application

Ms. Stetler shared that the applicants are proposing to construct an addition to the rear and side of the dwelling and a portion of the addition will be used as a garage. She explained that the location of the garage would result in parking occurring between the front wall of the house and the street, which it faces, and the garage doors would be oriented to the street, which requires a variance.

Mr. Stokley made a motion to approve sending a letter of recommendation to the Zoning Hearing Board for 139 West 11th Avenue, seconded by Mr. Griffin. The motion carried 7-0.

c.) Public Hearing on 200 Block of Washington Street, Millennium Block A, Millennium IV Conditional Use Application

Mr. Peters opened the public hearing for the 200 Block of Washington Street, Millennium Block A, Millennium IV Conditional Use Application and announced that he had received notification from Mr. Edmund Campbell, the attorney representing the applicant, that they would like to continue the hearing scheduled for that evening. He also shared that the two parties who entered an appearance had consented to the continuance as well. Mr. Peters made a recommendation to grant continuance of the hearing.

Ms. Sokolowski made a motion to grant continuance of the hearing to a date certain being August 15, 2018 at 7:00 PM in Council Chambers at the Borough Hall, seconded by Ms. Barton. The motion carried 7-0.

d.) MS4 Pollutant Reduction Plan, Karen MacNair, Gilmore & Associates

Karen MacNair, Borough Engineer, presented the MS4 Pollutant Reduction Plan (PRP) for Plymouth Creek. She explained that the plan proposes to reduce the existing sediment loads within the Plymouth Creek by implementing an underground basin in Sutcliffe Park. She reviewed plan requirements and the process and methodology utilized to generate the plan. Ms. MacNair confirmed next steps in the process, which is to collect public comments, finalize the plan and submit the plan to the DEP by August 12, 2018.

CONSENT AGENDA

Ms. Cecco read and reviewed the items included on the consent agenda.

- a.) **Approve and adopt the May 2 and May 16 Meeting Minutes**
- b.) **Accept the May-ending Treasurer's Report and Accounts Payable in the amount of \$731,730.92**

Mr. Griffin made a motion to approve the consent agenda items, seconded by Ms. Flanagan. The motion carried 7-0.

UNFINISHED BUSINESS

a.) Consider adopting the Borough's Comprehensive Plan

Ms. Cecco confirmed that the Borough evaluated the review letter from Montgomery County Planning Commission. Ms. Sokolowski explained that County's review letter recommended that the Plan include specific objectives relative to County's Community Facilities and Services Plan and Transportation and Infrastructure Plan. She stated that the Borough Comprehensive Plan is not intended to be project specific and encouraged residents to visit the County's website to learn more about their various Plans.

Ms. Barton made a motion to adopt the Borough's Comprehensive Plan, seconded by Ms. Leonard. The motion carried 7-0.

NEW BUSINESS

a.) Consider approving recommended revisions to the Historic Conservation Overlay Ordinance and authorizing advertisement of Ordinance No. 04-2018 Historic Conservation Overlay

Mr. Peters reviewed the proposed Ordinance amendment. He explained that expansions and alterations of historic single-family homes would no longer require a conditional use and that demolition and/conversions would be held to more specific criteria. Mr. Peters reviewed the recommended criteria in



BOROUGH OF CONSHOHOCKEN

BOROUGH COUNCIL Regular Public Meeting

AGENDA

December 19, 2018

7:00 PM

- 1.) **Call to Order**
- 2.) **Prayer for Council**
- 3.) **Pledge of Allegiance**
- 4.) **Council President Announcements**
- 5.) **Public Hearing**
- 6.) **Presentations:**
 - a. Public Hearing on 144 West Ninth Avenue Conditional Use Application: Thomas Andrew Homes, Inc., Tom Jones, Applicant
 - b. **Conduct interviews for Board and Commission Reappointments**
 - c. Borough Traffic Engineer End of Year Updates, Brian Keaveney, Pennoni Associates
- 7.) **Consent Agenda** *Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.*
 - a.) Approve and adopt the November 7 and November 21 Meeting Minutes
 - b.) Approve the November-ending Treasurer's Report and Accounts Payable
 - c.) Adopt and approve the FY19 Budget and adopt and approve Ordinance 07-2018 to levy real estate tax for 2019 and fix the rate thereof.
- 8.) **Unfinished Business**
 - a. Consider approving a first amendment to the agreement with Tri-State Financial Group LLC for the collection of Business Privilege Tax, Mercantile Tax and Local Services Tax
 - b. Consider approving a fundraising event at the Mary Wood Park House (Council Member Flanagan)
- 9.) **New Business**
 - a. Consider approving the Employment Agreement for George Metz, Interim Police Chief
 - b. Consider authorizing an appointment to the position of Fire Marshal
 - c. Consider approving a Mutual Release Agreement for 203 East Twelfth Avenue
 - d. Consider the adoption of the 2015 Property Maintenance Code
 - e. Consider approving a process for officiating weddings at Borough facilities (Mayor Aronson)
 - f. Update on SORA West Project
 - i. Review and consider approval of agreements:
 1. Public Plaza Agreement
 2. Public Parking Agreement
 3. Land Development Agreement
 - g. Consider approving a Memorandum of Understanding between the Redevelopment Authority and the Borough
- 10.) **Public Comment**
- 11.) **Adjournment:**

BOROUGH OF CONSHOHOCKEN BOROUGH COUNCIL
MINUTES OF THE PUBLIC MEETING

Wednesday, December 19, 2018

PUBLIC MEETING

PRESENT: Colleen Leonard, Council President
Jane Flanagan, Council Vice-President
Robert Stokley, Senior Council Member
Anita Barton, Council Member
Tina Sokolowski, Council Member
James Griffin, Council Member
Karen Tutino, Council Member
Yaniv Aronson, Mayor

ALSO PRESENT: Stephanie Cecco, Borough Manager
Michael E. Peters, Borough Solicitor

CALL TO ORDER

The Public Meeting of the Conshohocken Borough Council duly advertised, was held at the Conshohocken Borough Hall, 400 Fayette Street, Conshohocken, PA. Ms. Colleen Leonard, Council President, called the meeting to order at 7:00 PM.

PRAYER FOR COUNCIL

Ms. Flanagan read a Prayer for Council.

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited.

COUNCIL PRESIDENT ANNOUNCEMENTS

Ms. Leonard announced that an Executive Session was held immediately prior to the meeting regarding legal matters.

PRESENTATIONS

a.) Public Hearing on 144 West Ninth Avenue Conditional Use Application: Thomas Andrew Homes, Inc., Tom Jones, Applicant

Mr. Peters opened the public hearing for the 144 West Ninth Avenue Conditional Use Application and announced that he had received notification from the attorney representing the applicant that they would like to continue the hearing because their structural engineer could not be present to testify. Mr. Peters made a recommendation to grant continuance of the hearing.

Ms. Tutino made a motion to grant continuance of the hearing to a date certain being January 16, 2019 at 7:00pm in Council Chambers at Borough Hall, seconded by Mr. Stokley. The motion carried 7-0.

b.) Conduct interviews for Board and Commission Reappointments

Ms. Leonard introduced Brian Tobin who was present to interview for reappointment to the Planning Commission. Ms. Flanagan asked him about his decision making process. Mr. Tobin explained that he utilizes the Comprehensive Plan as a guide to decision making. Ms. Tutino asked what Council could do to better support the Planning Commission. Mr. Tobin responded that an increase in overall communication between leadership groups as well as a better understanding of Council's prioritized goals for 2019 would be helpful to the overall success of the Planning Commission. Ms. Sokolowski asked if there is a particular topic that he is passionate about. Mr. Tobin replied parking, specifically ensuring that adequate off-street parking is provided for new land development. Ms. Sokolowski inquired about his role as the chair and the

competency of the commission members. Mr. Tobin stressed the importance of having knowledge and understanding of issues facing the community and utilizing educational resources, such as training seminars and Borough professionals.

Ms. Leonard introduced Domenic Rocco who was present to interview for reappointment to the Environmental Advisory Council (EAC). Mr. Rocco replied that the EAC is working on many initiatives and he would like to see those initiatives through to their completion. Ms. Sokolowski asked if there is a specific initiative that he is most passionate about. Mr. Rocco discussed the Green Stormwater Infrastructure Project. Ms. Sokolowski inquired about efforts to include businesses in EAC projects. Mr. Rocco provided details about a green business initiative that the EAC is working on. He also provided an overview of the educational workshops that the EAC has held.

c.) Borough Traffic Engineer End of Year Updates, Brian Keaveney, Pennoni Associates

Brian Keaveney, Borough Traffic Engineer, provided an update on several traffic initiatives. He discussed the implementation of pedestrian crossings, site distance improvements and traffic calming measures at various locations within the Borough. He reviewed traffic mitigation strategies associated with two (2) PennDOT projects.

Mr. Stokley inquired about pedestrian safety crossing on Fayette Street. Mr. Keaveney confirm that he would continue to look into ways to enhance pedestrian safety crossing Fayette Street, such as high visibility pavement markings and enhanced signage.

Mr. Keaveney discussed West Elm Street, specifically regarding the PennDOT repavement program and the results of the truck traffic restriction study. He also mentioned that he is working to reduce the truck traffic impact on West Elm Street during the construction phase of the SORA West project.

CONSENT AGENDA

Ms. Cecco read and reviewed the items included on the consent agenda.

- a.) **Approve and adopt the November 7 and November 21 Meeting Minutes**
- b.) **Accept the November-ending Treasurer's Report and Accounts Payable in the amount of \$1,082,804.61**
- c.) **Adopt and approve the FY19 Budget and adopt and approve Ordinance 07-2018 to levy real estate tax for 2019 and fix the rate thereof**

Ms. Barton made a motion to approve the consent agenda items a.) through c.), seconded by Ms. Leonard. The motion carried 7-0.

UNFINISHED BUSINESS

- a.) **Consider approving a first amendment to the agreement with Tri-State Financial Group LLC for the collection of Business Privilege Tax, Mercantile Tax and Local Services Tax**

Ms. Cecco reviewed the amendment to the 2010 agreement with Tri-State Financial Group, which included the removal of the escalation clause and the addition of a baseline of 2% on gross taxes collected for compensation and reimbursement and 5% collected in the categories of delinquent and discovery taxes only.

Ms. Sokolowski made a motion to approve the first amendment to the agreement with Tri-State Financial Group LLC for the collection of Business Privilege Tax, Mercantile Tax and Local Services Tax, seconded by Mr. Griffin. The motion carried 7-0.

- b.) **Consider approving a fundraising event at the Mary Wood Park House (Council Member Flanagan)**

Ms. Flanagan shared that the Mary Wood Park Commission is working on a fundraising campaign to raise funds for the restoration of the Mary Wood Park House for the Centennial in 2020. She requested use of the Mary Wood Park House for a corporate donor cocktail party. She asked Council to consider approving the event, the cost of the tickets at \$50.00 by invitation and use of the Mary Wood Park Trust to cover the cost of the invitations and save the date cards. Ms. Flanagan also requested approval to serve wine and beer at the Mary Wood Park House for fundraising events only for a one-year trial period.



BOROUGH OF CONSHOHOCKEN

BOROUGH COUNCIL Regular Public Work Session Meeting

AGENDA

February 6, 2019

1.) Call to Order

2.) Council President Announcements

3.) Presentations:

- a. Introduction of Full-Time and Part-Time Firefighters
- b. Hearing regarding a waiver of off-street parking for 100 Fayette Street, Nudy's Café
- c. **Presentation of EAC Annual Report, Matthew Breidenstein, Chair of the EAC**

4.) Council Business:

- a. 113 West Fourth Avenue Zoning Hearing Board Application
- b. 720 Fayette Street Zoning Hearing Board Application
- c. Consider authorizing the Montgomery County Saint Patrick's Parade Committee to hold the 2019 annual St. Patrick's Day Parade in Conshohocken
- d. Consider approving the Annual Conshy Classic 5K
- e. Consider authorizing advertisement of a Request for Proposals for Police Consulting Services

5.) Manager Matters:

- a. Consider 538 Spring Mill Avenue Financial Security Release in the amount of \$17,957.00
- b. Consider approving Resolution 2019-02 authorizing the sale of Borough vehicles through Muncibid
- c. Consider approving Resolution 2019-03 establishing temporary one-way traffic restrictions on West First Avenue and Robinson Alley
- d. Consider authorizing advertisement of Ordinance No. 03-2019 Vehicle and Traffic Ordinance Amendment

6.) Department Matters:

7.) Legal Matters:

8.) Council Member and Mayor Matters:

9.) Public Comment:

10.) Adjournment:

BOROUGH OF CONSHOHOCKEN BOROUGH COUNCIL
MINUTES OF THE PUBLIC MEETING

Wednesday, February 6, 2019

PUBLIC MEETING

PRESENT: Colleen Leonard, Council President
Jane Flanagan, Council Vice-President
Robert Stokley, Senior Council Member
Anita Barton, Council Member
Tina Sokolowski, Council Member
James Griffin, Council Member
Karen Tutino, Council Member
Yaniv Aronson, Mayor

ALSO PRESENT: Stephanie Cecco, Borough Manager
Michael E. Peters, Borough Solicitor

CALL TO ORDER

The Public Meeting of the Conshohocken Borough Council duly advertised, was held at the Conshohocken Borough Hall, 400 Fayette Street, Conshohocken, PA. Ms. Leonard, Council President, called the meeting to order at 6:59 PM.

COUNCIL PRESIDENT ANNOUNCEMENTS

There were no Council President announcements.

PRESENTATIONS

a.) Introduction of Full-Time and Part-Time Firefighters

Ray Sokolowski, Executive Director of Operations, reviewed the qualifications, certifications and professional backgrounds for each of the new part-time firefighters, Anthony Rambo, Michael Kopp, Wayne Masters and Robert Curll. He introduced the new full-time firefighter, Steve Young, who was present, and provided a summary of his resume.

b.) Hearing regarding a waiver of off-street parking for 100 Fayette Street, Nudy's Café

Ms. Cecco introduced the item and invited Aaron Weems, the applicant's attorney, to the podium. Mr. Weems presented a proposal for off-street parking for Nudy's Café. He explained that the applicant is working to finalize an agreement with St. Mary's Church to lease twenty (20) parking spaces. He reviewed the terms of the agreement. Mr. Weems added that the applicant would also provide to its employees a shuttle service from the Park-and-Ride on Matsonford Road to the restaurant.

Ms. Barton made a motion to approve the waiver of off-street parking for 100 Fayette Street, Nudy's Café, seconded by Mr. Griffin. The motion carried 7-0.

c.) Presentation of EAC Annual Report, Matthew Breidenstein, Chair of the EAC

Matthew Breidenstein, Chair of the EAC, and Domenic Rocco, Vice Chair of the EAC, presented the EAC Annual Report. Mr. Rocco provided an overview of the 2018 programs and initiatives, which included an increase in community outreach through social media and the Friends of the EAC and the establishment of the Green Conshy Business Recognition Program, the Green Energy Team, the Shade Tree Commission and a non-profit corporation to facilitate fundraising for initiatives and a newsletter. Mr. Rocco also discussed the EAC's continued commitment to recycling and community cleanup and green stormwater management.

Mr. Breidenstein discussed goals for 2019, which included continuing community engagement and education, fully implementing the Rain Barrel Program, launching the Green Business Recognition Program, passing a green energy resolution and transition plan, conducting a planting event and community cleanup events and assessing shade trees in the Borough.

COUNCIL BUSINESS

a.) 113 West Fourth Avenue Zoning Hearing Board Application

Chris Stetler, Zoning Officer, provided an overview of the application. She stated that the applicant is proposing to convert a carriage house, formerly used as a home business, into an apartment. She explained that a variance is required to restore the additional dwelling unit and for off-street parking.

The applicant, Joseph Miller, was present to answer any questions. Mr. Miller provided photographs of existing conditions, additional information about the history of the site and current requests for zoning relief. He confirmed that tenants of the proposed apartment would be prohibited from parking in the alley.

Ms. Barton made a motion to approve sending a letter of recommendation to the Zoning Hearing Board for 114 West Fourth Avenue, seconded by Mr. Stokley. The motion carried 7-0.

b.) 720 Fayette Street Zoning Hearing Board Application

Ms. Stetler explained that the applicant is requesting to lease flex space in the building for social and community events, which expands the accessory uses beyond those of the real estate business.

Gary Jonas of HOW Property Group was present to answer any questions. Ms. Leonard asked about the type of public events that would be held there. Mr. Jonas replied social functions, such as baby and bridal showers, birthday parties and business luncheons. Ms. Flanagan inquired about total occupancy for the space. Susan Callanen of HOW Property Group stated that she is working with the Department of Licenses and Inspections to determine occupancy of the flex space.

Mr. Griffin made a motion to approve sending a letter of recommendation to the Zoning Hearing Board for 720 Fayette Street, seconded by Ms. Leonard. The motion carried 7-0.

c.) Consider authorizing the Montgomery County Saint Patrick's Parade Committee to hold the 2019 St. Patrick's Day Parade in Conshohocken

Ms. Cecco stated that the Montgomery County Saint Patrick's Parade Committee requested permission to hold the 2019 annual Saint Patrick's Day Parade in Conshohocken on Fayette Street on March 16, 2019.

Ms. Sokolowski made a motion to approve the Saint Patrick's Day Parade, the sale and public consumption of alcoholic beverages and the waiver of Borough personnel fees, seconded by Ms. Leonard. The motion carried 7-0.

d.) Consider approving the Annual Conshy Classic 5k

Ms. Cecco explained that the annual Conshy Classic 5k is held prior to the St. Patrick's Day Parade and is fundraising event for the Conshohocken Fire Company No. 2.

Ms. Leonard made a motion to approve the annual Conshy Classic 5k, seconded by Ms. Flanagan. The motion carried 7-0.

e.) Consider authorizing advertisement of a Request for Proposals for Police Consulting Services

Ms. Cecco stated that the Borough plans to solicit proposals for advice regarding the operation and staffing of the police department, including specifically the aid in the Borough's search for a new Chief of Police. Ms. Cecco asked Council to review the draft request for proposal (RFP) and proposed timeline.

MANAGER MATTERS

a.) Consider 538 Spring Mill Avenue Financial Security Release in the amount of \$17,957.00

Ms. Cecco shared that the Borough received a request for a release of escrow for the land development project located at 538 Spring Mill Avenue. She explained that the Borough Engineer inspected the completed site improvements and prepared a recommended escrow release for approval by Council.

Mr. Griffin made a motion to authorize the release of 538 Spring Mill Ave Financial Security in the amount of \$17,957.00, seconded by Ms. Leonard. The motion carried 7-0.

b.) Consider approving Resolution 2019-02 authorizing the sale of Borough vehicles through Municibid

Ms. Cecco explained that Borough Administration has identified certain vehicles no longer of use to the Borough per the vehicle depreciation schedule. She reviewed the minimum bids for each vehicle and the conditions of the sale.

Ms. Barton made a motion to approve Resolution 2019-02 authorizing the sale of Borough vehicles through Municibid, seconded by Ms. Tutino. The motion carried 7-0.

c.) Consider approving Resolution 2019-03 establishing temporary one-way traffic restrictions on West First Avenue and Robinson Alley

Ms. Cecco explained that due to the construction currently occurring at the SORA West location, administration identified the need for one-way travel on West First Avenue between Fayette Street and Robinson Alley and on Robinson Alley. Ms. Cecco stated that traffic would be limited to one-way travel temporarily for a period of 90 days.

Ms. Flanagan made a motion to approve Resolution 2019-03 establishing temporary one-way traffic restrictions on West First Avenue and Robinson Alley, seconded by Mr. Griffin. The motion carried 7-0.

d.) Consider authorizing advertisement of Ordinance No. 03-2019 Vehicles and Traffic Ordinance Amendment

Ms. Cecco explained that the proposed ordinance amendment would establish two 15-minute parking spaces at the intersection of Hollowell Street and East 8th Avenue and three 2-hour parking spaces in front of Borough Hall. Ms. Flanagan shared that she received feedback from residents of East 8th Avenue and asked Council to consider creating one 15-minute parking space on Hollowell Street only. After some discussion, Council decided to remove the parking regulations on Hollowell Street and East 8th Avenue from the proposed ordinance amendment and agreed to allow the Parking Task Force to evaluate parking regulations in that area.

Ms. Leonard made a motion to authorize advertisement of Ordinance No. 03-2019 amended to include only the addition of parking regulations to Fayette Street, seconded by Ms. Tutino. The motion carried 7-0.

Ms. Cecco added an item to the agenda. Ms. Cecco asked Council to consider authorizing administration to limit traffic on West Second Avenue to one-way traffic in the westerly direction (Fayette Street towards Forrest Street) and to restrict traffic in the easterly direction (Forrest Street towards Fayette Street). Mr. Sokolowski provided reasoning for the recommendation, which included safety concerns and increased traffic. Council authorized Borough Administration to restrict traffic on West Second Ave from Forrest Street to Fayette Street.

DEPARTMENT MATTERS

There were no department matters.

LEGAL MATTERS

There were no legal matters.

COUNCIL MEMBER AND MAYOR MATTERS

There were no Council Member and Mayor matters.

PUBLIC COMMENT

Tina Friend, 144 West 8th Ave, commented on the Vehicles and Traffic Ordinance Amendment. She asked Council to consider creating one 15-minute parking space on Hollowell Street only.

Donald Morrison, 303 East 6th Avenue, asked residents and Council to be considerate of business owners during the St. Patrick's Day Parade.

Mayor Aronson announced that vendor applications are being accepted for the 2019 Arts Festival and Car Show. He reminded residents that the Conshohocken Police Department will be hosting a CPR Class at the Conshohocken Brewing Company on March 23, 2019.

Mr. Stokley inquired about the vacation of Burns Plaza. Mr. Peters confirmed that he would research the history the roadway and vacation procedures.

Ms. Barton provided a Sewer Authority update, which included the reorganization of the Board.

Ms. Sokolowski thanked Council and administration for making the Fire Department a priority.

Ms. Flanagan announced that the Conshohocken Free Library will be hosting its annual Murder Mystery fundraiser on March 1, 2019.

Mr. Griffin voiced a concern about residents leaving their trash and recycling at the curb following a holiday.

Ms. Tutino shared that Council interviewed applicants for the Parking Task Force.

ADJOURNMENT

The meeting was adjourned at 8:26 PM.

Respectfully Submitted,

Stephanie Cecco,
Borough Secretary



ANNUAL REPORT 2018

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Green Conshy By The Numbers In 2018

Volunteers



150

lbs of Trash
Picked Up



1,370

Workshops



6

Friends of
the EAC



40

Rain Barrels
Installed



7

Social Media Followers



Facebook (55.99%) Instagram (44.01%)

Facebook Followers



2017 2018



Shade Tree Team

Conshohocken trees provide many benefits to our community. They provide shade in the summer that keeps our community cool and helps prevent cracking of our paved roads. They absorb air pollution and rain water which reduces flooding and filters chemicals. Our trees make our community a beautiful place to live, which increases property value and makes our community a pleasant place to visit which is an economic benefit for our small businesses. For these reasons, our trees must be protected and preserved. In the absence of a functioning Shade Tree Commission, the EAC made it a priority this past year to recruit volunteer residents to form a Shade Tree Team. The purpose of the Shade Tree Team is to assess and maintain the health of our trees by providing guidance on how to properly trim, water and plant trees. The team is also charged with assessing areas in our borough where planting trees makes sense and ensuring the right tree is planted. The Shade Tree team is made up of 10 people of all ages and backgrounds and hold regular meetings. With the funds provided by the Borough, the team is currently taking trainings to become Tree Tender certified. With this certification, member of the team will be able to guide and educate the public on how to identify, properly plant, trim and protect our tree from invasive species. With the leadership of Friend of the EAC Tim Snyder, the team's goals for 2019 is to continue to grow the team, conduct a full inventory of the shade trees in Conshohocken, have a tree planting event and provide educational workshops to borough citizens.



Recycling and Community Cleanup

The Spring cleanup was held at the Conshohocken Brewing Company that focused on cleaning the eastside of the borough. We joined by over 70 volunteers and numerous organizations including Friends of the EAC, VFW Post 1074, CPW Rotary Club, Conshohocken Running Club, Conshohocken Community Garden, Brunch, Yoga Home, Public Works and members of the Borough Council all came together. With the support of Public Works, we removed 950lbs of trash from our streets.

In October, the fall community cleanup was held at the Conshohocken Bocce Club with 60+ volunteers focused on the westside of Conshohocken. Along with trash pickup, recycling was added. The event was sponsored by HOW Properties and CPW Rotary and volunteers from Friends of the EAC, CPW Rotary, members of the borough Council, Conshohocken Community Garden, Conshohocken Running Club, Public Works and the Conshohocken Cub Scout Pack 140 joined in on the effort. With this cleanup the Conshohocken Cub Scout Pack earned their "Service Project" merit badges. We picked up 300lbs and 120lbs of recycling.

Goals for 2019:

- Continue to refine and expand the EAC's spring and fall cleanups
- Assist the borough in recycling educational campaigns to coincide with the transition to new, larger recycling bins
- Hold recycling-specific events for residents throughout the year

Green Stormwater Project

The Conshohocken EAC has made considerable progress with its Green Stormwater Project in 2018 and looks forward to furthering this progress in 2019 with the various opportunities that exist in the borough.

Below are some details of Green Stormwater Project Activities.

Workshops:

The EAC hosted three rain barrel workshops at the Conshohocken Free Library.

Aug. 3, 2018 - Children's Workshop. Several children and their parents joined the EAC for an informative workshop for children followed by a painting activity where the children painted a rain barrel which currently stands outside of the library.

Aug. 29, 2018 - Adult Rain Barrel Info Workshop - The EAC in partnership with the Montgomery County Conservation District, held an evening workshop where several adults participated. (exact number?)

Nov. 3, 2018 - Rain Barrel Installation Workshop - The EAC held an installation workshop in front of the Library where volunteers converted a decorative barrel into a functional rain barrel. Following the workshop, volunteers installed two other rain barrels in the community.

2018



Completed Projects:

To date 7 rain barrels have been installed in Conshohocken and the surrounding area - many of which were in follow-up to raffles held during community events such as the Conshy Arts Fest (June 2018) and the Conshy Fun Fest (September 2018). Two of these rain barrels were decorative rain barrels painted by children which sit at the Mary Wood House and the Conshy Library. The other 5 rain barrels have been installed at residences.



Over the past couple years, the EAC has built relationships with other municipalities such as the Abington and Ambler EACs and the Philadelphia Water Department (PWD). The PWD collaboration has led to the donation of 15 rain barrels whose purpose is to help reduce flooding and improve water quality in the Schuylkill River Watershed. Five have already been installed. Ten will be installed in 2019 with the intention of several more.

The EAC continues to look for opportunities for other Green Stormwater Projects, including at local parks and the Community Gardens. For example, the EAC, at the request of Borough Council, inspected the Rain Garden at Sutcliffe Park and provided recommendations in a report in April 2018. The EAC also hopes to have more direct communications with the Borough Engineer to share ideas for projects to help Conshohocken remain in compliance with its Stormwater MS4 Permit whose requirements include, among other things, public education and outreach.

Local School Outreach:

The success of an environmental education program relies heavily on the audience. Reaching the youth of the community is an important target as they will inherit the Environment that we leave behind.

The EAC has reached out to local schools (art programs, science clubs, environmental clubs, and administrators) regarding potential collaborations to allow students to demonstrate their creative talents for projects such as rain barrel painting, watershed art contests, and construction of wooden downspout planter boxes (Tech School).

Community Partners and Sponsors

Thank you to our partners and sponsors for making 2018 a success!

- Borough of Conshohocken; Public Works
- Brunch
- Conshohocken Art League
- Conshohocken Brewing Company
- Conshohocken Community Garden
- Conshohocken Free Library
- Conshohocken Plymouth Whitemarsh Rotary Club
- Conshohocken Running Club
- Guppy Good Times
- Philadelphia Water Authority
- The HOW Group
- VFW Post 1075 Conshohocken
- Whole Foods
- Yoga Home



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Date of Inspection: 6-27-2018	Outfall ID No.: A
Land Uses in Outfall Drainage Area (Select All): <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 04' 54.10"</u>
	Longitude: <u>75° 18' 46.69"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 06-23-2018
	Amount of Previous Precipitation: 0.41 in
Inspector Name(s): Christopher Freer	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: 48 in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: **(1) Fecal Coliform**)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	10	GPM	Fecal Coliform	104	No./100 mL
pH	6.82	S.U.	COD	N/A	mg/L
Total Residual Chlorine (TRC)	0.0	mg/L	BOD5	N/A	mg/L
Conductivity	1150	µmhos/cm	TSS	N/A	mg/L
Ammonia-Nitrogen	0.0	mg/L	TDS	739	mg/L
Other: <u>Turbidity</u>	0.3	NTU	Oil and Grease	N/A	mg/L
Other: <u>Temperature</u>	18.45	C	Other: <u>Dissolved O2</u>	24.30	mg/L DO

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

Fecal Coliform

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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

Christopher Freer <hr/> Responsible Official Name 215-345-4330 <hr/> Telephone No.	 <hr/> Signature 6-27-2018 <hr/> Date
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Outfall - A





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Date of Inspection: 6-27-2018	Outfall ID No.: B
Land Uses in Outfall Drainage Area (Select All): <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 04' 37.54"</u>
	Longitude: <u>75° 18' 44.09"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 06-23-2018
	Amount of Previous Precipitation: 0.41 in
Inspector Name(s): Christopher Freer	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input checked="" type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: 36H54W in	<input checked="" type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: **(1) Fecal Coliform**)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	15	GPM	Fecal Coliform	2300	No./100 mL
pH	7.32	S.U.	COD	N/A	mg/L
Total Residual Chlorine (TRC)	0.0	mg/L	BOD5	N/A	mg/L
Conductivity	1290	µmhos/cm	TSS	N/A	mg/L
Ammonia-Nitrogen	0.0	mg/L	TDS	824	mg/L
Other: Turbidity	1.8	NTU	Oil and Grease	N/A	mg/L
Other: Temperature	18.91	C	Other: Dissolved O2	16.26	mg/L DO

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

Fecal Coliform

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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

Christopher Freer



Responsible Official Name

Signature

215-345-4330

6-27-2018

Telephone No.

Date

Outfall - B





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Date of Inspection: 6-27-2018	Outfall ID No.: CB-11
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 04' 09.76"</u>
	Longitude: <u>75° 18' 16.66"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 06-23-2018
Inspector Name(s): Christopher Freer	Amount of Previous Precipitation: 0.41 in
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>36</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: **(1) Fecal Coliform**)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	12	GPM	Fecal Coliform	224	No./100 mL
pH	7.17	S.U.	COD	N/A	mg/L
Total Residual Chlorine (TRC)	0.0	mg/L	BOD5	N/A	mg/L
Conductivity	2490	µmhos/cm	TSS	N/A	mg/L
Ammonia-Nitrogen	0.0	mg/L	TDS	1600	mg/L
Other: Turbidity	1.5	NTU	Oil and Grease	N/A	mg/L
Other: Temperature	19.47	C	Other: Dissolved O2	9.18	mg/L DO

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

Fecal Coliform

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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

Christopher Freer



Responsible Official Name

Signature

215-345-4330

6-27-2018

Telephone No.

Date

Outfall - CB11





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Date of Inspection: 6-27-2018	Outfall ID No.: CB-12
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 04' 09.77"</u>
	Longitude: <u>75° 18' 09.21"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 06-23-2018
	Amount of Previous Precipitation: 0.41 in
Inspector Name(s): Christopher Freer	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>36</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: **(1) Fecal Coliform**)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	1.2	GPM	Fecal Coliform	67	No./100 mL
pH	7.10	S.U.	COD	N/A	mg/L
Total Residual Chlorine (TRC)	0.0	mg/L	BOD5	N/A	mg/L
Conductivity	2220	µmhos/cm	TSS	N/A	mg/L
Ammonia-Nitrogen	0.0	mg/L	TDS	1420	mg/L
Other: Turbidity	13.5	NTU	Oil and Grease	N/A	mg/L
Other: Temperature	18.79	C	Other: Dissolved O2	10.50	mg/L DO

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

Fecal Coliform

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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

Christopher Freer <hr/> Responsible Official Name 215-345-4330 <hr/> Telephone No.	 <hr/> Signature 6-27-2018 <hr/> Date
---	--

Outfall - CB12





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Date of Inspection: 6-27-2018	Outfall ID No.: CB-14
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 04' 12.62"</u>
	Longitude: <u>75° 17' 54.43"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 06-23-2018
	Amount of Previous Precipitation: 0.41 in
Inspector Name(s): Christopher Freer	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>40</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.
Yes, appears to be iron forming bacteria and not an illicit discharge.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
 If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
 If Yes, provide a description below.

Red iron like material observed at outfall location, disperses before reaching common waters. Appears to be iron forming bacteria and not an illicit discharge.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: **(1) Fecal Coliform**)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	1.6	GPM	Fecal Coliform	16	No./100 mL
pH	7.39	S.U.	COD	N/A	mg/L
Total Residual Chlorine (TRC)	0.0	mg/L	BOD5	N/A	mg/L
Conductivity	1410	µmhos/cm	TSS	N/A	mg/L
Ammonia-Nitrogen	0.0	mg/L	TDS	904	mg/L
Other: Turbidity	3.4	NTU	Oil and Grease	N/A	mg/L
Other: Temperature	17.67	C	Other: Dissolved O2	21.12	mg/L DO

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

Fecal Coliform

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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Christopher Freer

Responsible Official Name

215-345-4330



Signature

6-27-2018

Outfall - CB14





MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION

Permittee Name: Borough of Conshohocken	NPDES Permit No.: PAG130013
Date of Inspection: 6-27-2018	Outfall ID No.: CB-14/G
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 04' 11.28"</u>
	Longitude: <u>75° 18' 00.68"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: 06-23-2018
	Amount of Previous Precipitation: 0.41 in
Inspector Name(s): Christopher Freer	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>36</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection? Yes No *(If No, skip to Certification Section)*

Description of Flow Rate: Trickle Moderate Significant N/A

DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color? Yes No If Yes, provide a description below.
Yes, appears to be iron forming bacteria and not an illicit discharge.

Does the dry weather flow contain an odor? Yes No If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge? Yes No
 If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? Yes No
 If Yes, provide a description below.
Red iron like material observed at outfall location, disperses before reaching common waters. Appears to be

iron forming bacteria and not an illicit discharge.

Were sample(s) collected of the dry weather flow? Yes No (If Yes, No. Samples: **(1) Fecal Coliform**)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate	1	GPM	Fecal Coliform	208	No./100 mL
pH	6.96	S.U.	COD	N/A	mg/L
Total Residual Chlorine (TRC)	0.0	mg/L	BOD5	N/A	mg/L
Conductivity	2560	µmhos/cm	TSS	N/A	mg/L
Ammonia-Nitrogen	0.0	mg/L	TDS	1640	mg/L
Other: Turbidity	188	NTU	Oil and Grease	N/A	mg/L
Other: Temperature	19.69	C	Other: Dissolved O2	8.02	mg/L DO

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

Fecal Coliform

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? Yes No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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

Christopher Freer



Responsible Official Name

Signature

215-345-4330

6-27-2018

Telephone No.

Date

Outfall - CB14G





Results Report

Order ID: 8065297

Gilmore & Associates Inc
65 E. Butler Avenue
New Britain, PA 18901

Project: Borough of Conshohocken

Attn: Chris Freer

Regulatory ID:

Sample Number: 8065297-01
Collector: CAF

Site: BOC-A
Collect Date: 06/27/2018 10:30 am

Sample ID:
Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Microbiology

Fecal Coliform 104 cfu/100ml SM 9222-D 1 1 06/27/18 JKW 06/27/18 17:27 ARG

Sample Number: 8065297-02
Collector: CAF

Site: BOC-B
Collect Date: 06/27/2018 10:45 am

Sample ID:
Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Microbiology

Fecal Coliform 2300 cfu/100ml SM 9222-D 1 1 06/27/18 JKW 06/27/18 18:09 ARG

Sample Number: 8065297-03
Collector: CAF

Site: BOC-CB 11
Collect Date: 06/27/2018 11:00 am

Sample ID:
Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Microbiology

Fecal Coliform 224 cfu/100ml SM 9222-D 1 1 06/27/18 JKW 06/27/18 18:09 ARG

Sample Number: 8065297-04
Collector: CAF

Site: BOC-CB 14/G
Collect Date: 06/27/2018 11:15 am

Sample ID:
Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Microbiology

Fecal Coliform 208 cfu/100ml SM 9222-D 1 1 06/27/18 ARG 06/27/18 19:07 ARG

Sample Number: 8065297-05
Collector: CAF

Site: BOC-CB 12
Collect Date: 06/27/2018 11:45 am

Sample ID:
Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Microbiology

Fecal Coliform 67 cfu/100ml SM 9222-D 1 1 06/27/18 ARG 06/27/18 19:23 ARG

Report Generated On: 06/29/2018 12:04 pm
STL_Results Revision #1.6

8065297
Effective: 07/09/2014





Sample Number: 8065297-06	Site: BOC-CB 14	Sample ID:
Collector: CAF	Collect Date: 06/27/2018 12:15 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
<u>Microbiology</u>									
Fecal Coliform	16	cfu/100ml	SM 9222-D	1	1	06/27/18	ARG	06/27/18 19:59	ARG

Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Alana Kopicz
Project Manager

Report Generated On: 06/29/2018 12:04 pm 8065297
STL_Results Revision #1.6 Effective: 07/09/2014



1



610

8065297
Alana Kopicz

TAT(Check One): Standard 24hr 48hr 72hr Other
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

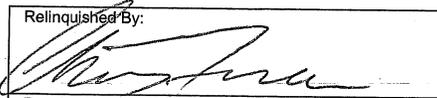
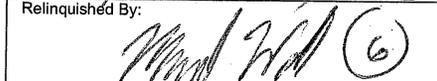
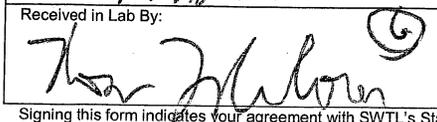
Order ID: _____

Client Name: GILMORE & ASSOCIATES
 Address: 65 E BUTLER AVE, SUITE 100 Phone: 215 345 4330
NEW BRITAIN PA 18901 Fax: _____
 Contact Name: CHRIS FREE Email: _____

Project Name: BOROUGH OF CONSHOHOCKEY
 Address: _____
 Payment / P.O. Info: _____

Comments:
18-03042

SWTL Sample Number	Sample Description / Site ID:	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested:	Bottle Quantity	See Codes Below				Comments / Field Data:
							Matrix	Sample Type	Bottle Type	Preservative	
	BOC - A	6/27/18	1030	CAF	FECAL COLIFORM	1	NPW	G	D	N	
	BOC - B	↓	1045		ON ALL SAMPLES	1	↓	G	P	N	
	BOC - CB11		1100			1		G	P	N	
	BOC - CB14/G		1115			1		G	P	N	
	BOC - CB12		1145			1		G	P	N	
	BOC - CB14		1215			1		G	P	N	

Relinquished By: 	Date: <u>6/27/18</u> Time: <u>1255</u>	Temp °C: <u>13.0</u> Acceptable: Y/N <u>CE</u>	Sample Conditions	Matrix Key NPW = Non-Potable Water Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg) PW = Potable Water (not for SDWA compliance) SDWA = Safe Drinking Water Act Potable Sample	Bottle Type Key P = Plastic G = Glass O = Other	Reporting Options <input type="checkbox"/> SDWA Reporting PWSID: _____ <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Other <input type="checkbox"/> Return a copy of this form with Report
Received By: 	Date: <u>6/27/18</u> Time: <u>1255</u>		Submitted with COC? <u>Y</u> /N			
Relinquished By: 	Date: <u>6/27/18</u> Time: <u>1440</u>	Temp °C: <u>0.5</u> Acceptable: Y/N <u>ICE</u>	All containers in tact? <u>Y</u> /N	SDWA Sample Types D=Distribution E=Entry Point R=Raw C=Check S=Special M=Maximum Residence		
Received in Lab By: 	Date: <u>6/27/18</u> Time: <u>1440</u>		Tests within holding times <u>Y</u> /N			

Signing this form indicates your agreement with SWTL's Standard Terms and Conditions unless otherwise specified in writing. SLF059 Rev. 1.4 Effective November 12, 2014. Shaded areas are for SWTL use only.



A Citizen's Guide to Understanding Stormwater



EPA
United States Environmental Protection Agency

EPA 833-B-03-002

January 2003

Internet Address (URL): <http://www.epa.gov>
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After the Storm

For more information contact:
www.epa.gov/nps/stormwater
or visit
www.epa.gov/nps



What is stormwater runoff?



Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?



Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- ◆ Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- ◆ Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- ◆ Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- ◆ Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- ◆ Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.



- ◆ Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

Stormwater Pollution Solutions

Residential

Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.



- ◆ Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- ◆ Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- ◆ Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- ◆ Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.



- ◆ Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- ◆ Don't dispose of household hazardous waste in sinks or toilets.

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.



- ◆ Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- ◆ Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.



- ◆ When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.



Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for



rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

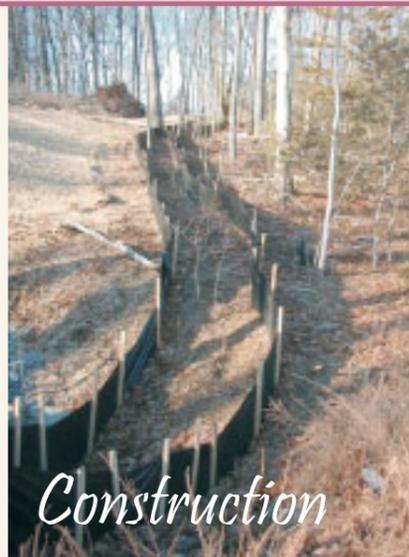
Commercial

Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- ◆ Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- ◆ Cover grease storage and dumpsters and keep them clean to avoid leaks.
- ◆ Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- ◆ Divert stormwater away from disturbed or exposed areas of the construction site.
- ◆ Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- ◆ Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Construction

Agriculture

Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- ◆ Keep livestock away from streambanks and provide them a water source away from waterbodies.
- ◆ Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- ◆ Vegetate riparian areas along waterways.
- ◆ Rotate animal grazing to prevent soil erosion in fields.
- ◆ Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.

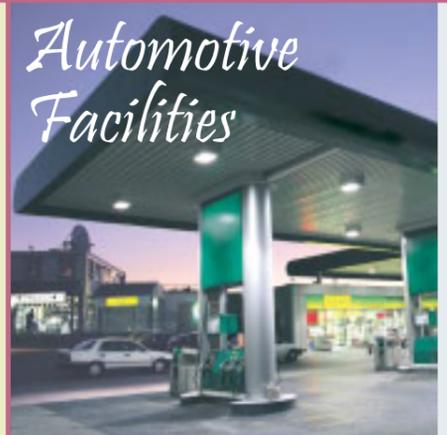


Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- ◆ Conduct preharvest planning to prevent erosion and lower costs.
- ◆ Use logging methods and equipment that minimize soil disturbance.
- ◆ Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- ◆ Construct stream crossings so that they minimize erosion and physical changes to streams.
- ◆ Expedite revegetation of cleared areas.

Automotive Facilities



Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- ◆ Clean up spills immediately and properly dispose of cleanup materials.
- ◆ Provide cover over fueling stations and design or retrofit facilities for spill containment.
- ◆ Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- ◆ Install and maintain oil/water separators.



Stormwater Pollution Found in Your Area!

This is not a citation.

This is to inform you that our staff found the following pollutants in the storm sewer system in your area. This storm sewer system leads directly to

-
- Motor oil
 - Oil filters
 - Antifreeze/transmission fluid
 - Paint
 - Solvent/degreaser
 - Cooking grease
 - Detergent
 - Home improvement waste (concrete, mortar)
 - Pet waste
 - Yard waste (leaves, grass, mulch)
 - Excessive dirt and gravel
 - Trash
 - Construction debris
 - Pesticides and fertilizers
 - Other
-



For more information or to report an illegal discharge of pollutants, please call:





Stormwater runoff is precipitation from rain or snowmelt that flows over the ground. As it flows, it can pick up debris, chemicals, dirt, and other pollutants and deposit them into a storm sewer system or waterbody.

Anything that enters a storm sewer system is discharged *untreated* into the waterbodies we use for swimming, fishing, and providing drinking water.

Remember: Only Rain Down the Drain

To keep the stormwater leaving your home or workplace clean, follow these simple guidelines:

- ◆ Use pesticides and fertilizers sparingly.
- ◆ Repair auto leaks.
- ◆ Dispose of household hazardous waste, used auto fluids (antifreeze, oil, etc.), and batteries at designated collection or recycling locations.
- ◆ Clean up after your pet.
- ◆ Use a commercial car wash or wash your car on a lawn or other unpaved surface.
- ◆ Sweep up yard debris rather than hosing down areas. Compost or recycle yard waste when possible.
- ◆ Clean paint brushes in a sink, not outdoors. Properly dispose of excess paints through a household hazardous waste collection program.
- ◆ Sweep up and properly dispose of construction debris like concrete and mortar.



10,000 professional automotive recyclers to be served

1200 resource documents provided

50 states represented

3 strategic partners

1 environmental compliance assistance center

www.ECARcenter.org



Environmental Compliance for Automotive Recyclers

This compliance center is brought to you by the



Now everyone in the automotive recycling industry will have one place to go to find current and relevant information to help them comply with federal, state and local environmental laws.

ECARcenter.org is an environmental compliance assistance center developed by the Automotive Recyclers Association, the U.S. Environmental Protection Agency and the National Center for Manufacturing Sciences.

Visitors to **ECARcenter.org** will find plain language explanations of the major environmental regulations affecting automotive recyclers, along with links to additional sources of more detailed information.

ECARcenter.org is designed to be an interactive web site that allows users to search by state and activity subject. By taking the ECAR Tour, users will eventually have access to more than 1200 informative fact sheets on topics that recyclers care about most — such as stormwater management, hazardous waste handling, used tire storage, and wastewater disposal.

In addition to detailing what is required, **ECARcenter.org** provides extra information to help improve facility operations, including industry Best Management Practices (BMPs) and self-audit checklists. It also contains tools that help users locate other useful resources on the Internet. **ECARcenter.org** centralizes all of this material in a format that is user-friendly and easily printed.

To benefit users further, the site also features up-to-the-minute industry news articles pulled from publications across the country, as well as an interactive calendar feature that allows users to input dates of industry events.

With funding allocated through EPA, **ECARcenter.org** is available at no cost to the user. For more information about the site, contact Michelle Trowbridge with ARA by phone at 703/385-1001, ext. 23 or e-mail mtrowbridge@belmontcc.com, or contact Paul Chalmer with NCMS by phone at 734/995-4911 or by e-mail at paulc@ncms.org.

As stormwater flows over driveways, lawns, and sidewalks, it picks up debris, chemicals, dirt, and other pollutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.



By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands, and coastal waters. Remember to share the habits with your neighbors!

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to **minimize** the amount of dirty, soapy water flowing into the storm drain and eventually into your local waterbody.



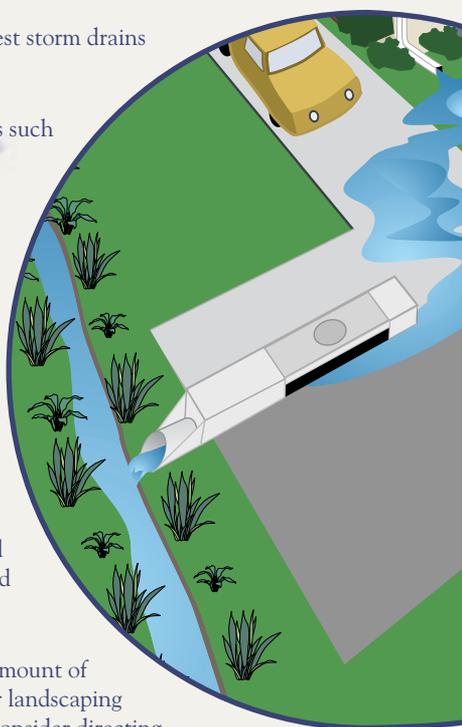
- Check your car, boat, motorcycle, and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up **spilled fluids** with an absorbent material like kitty litter or sand, and don't rinse the spills into a nearby storm drain. Remember to properly dispose of the absorbent material.
- **Recycle** used oil and other automotive fluids at participating service stations. Don't dump these chemicals down the storm drain or dispose of them in your trash.

Lawn and Garden

- Use pesticides and fertilizers **sparingly**. When use is necessary, use these chemicals in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals will be washed into your local stream.
- Select **native** plants and grasses that are drought- and pest-resistant. Native plants require less water, fertilizer, and pesticides.
- **Sweep up** yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the **cool** times of the day, and don't let water run off into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local waterbodies. **Vegetate** bare spots in your yard to prevent soil erosion.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and **protect** them from debris and other materials.
- **Sweep up** and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cleaners in the **smallest amounts possible**, and follow the directions on the label. Clean up spills **immediately**, and dispose of the waste safely. Store substances properly to avoid leaks and spills.
- Purchase and use **nontoxic, biodegradable, recycled, and recyclable** products whenever possible.
- **Clean** paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil-based paints. Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.
- **Reduce** the amount of paved area and increase the amount of vegetated area in your yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.





Make your home
The
SOLUTION
TO STORMWATER
POLLUTION!

A homeowner's guide to healthy habits for clean water



Remember: Only rain down the drain!

For more information, visit
www.epa.gov/npdes/stormwater
or
www.epa.gov/nps



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Storm drains connect to waterbodies!

- Flush responsibly. Flushing household chemicals like paint, pesticides, oil, and antifreeze can destroy the biological treatment taking place in the system. Other items, such as diapers, paper towels, and cat litter, can clog the septic system and potentially damage components.
- Care for the septic system drainfield by **not** driving or parking vehicles on it. Plant only grass over and near the drainfield to avoid damage from roots.
- Have your septic system **inspected** by a professional at least every 3 years, and have the septic tank **pumped** as necessary (usually every 3 to 5 years).
- Properly store pool and spa chemicals to **prevent** leaks and spills, preferably in a covered area to avoid exposure to stormwater.
- Whenever possible, drain your pool or spa into the **sanitary** sewer system.
- **Drain** your swimming pool only when a test kit does not detect chlorine levels.

Swimming Pool and Spa

- When walking your pet, remember to **pick up** the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Pet Care

Protecting Water Quality from **URBAN RUNOFF**

Clean Water Is Everybody's Business

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

How Urbanized Areas Affect Water Quality Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?

and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

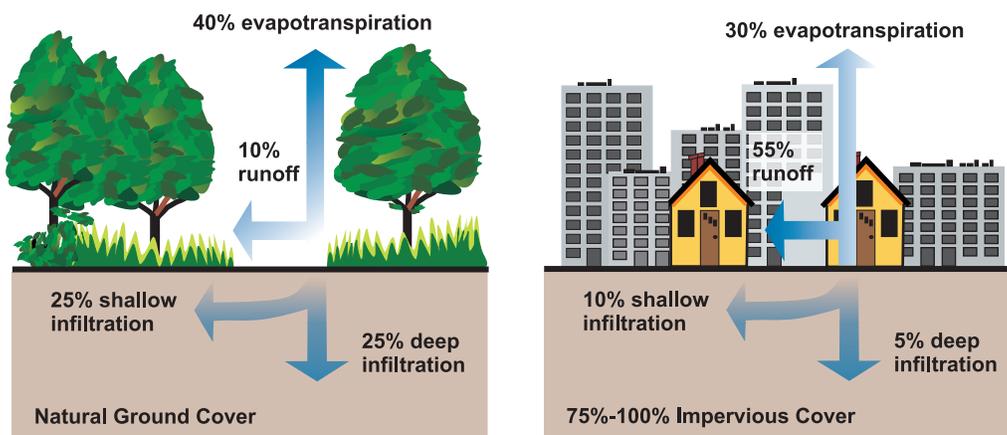
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts
- Heavy metals from roof shingles, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.



Relationship between impervious cover and surface runoff. Impervious cover in a watershed results in increased surface runoff. As little as 10 percent impervious cover in a watershed can result in stream degradation.

Managing Urban Runoff

What Homeowners Can Do

To decrease polluted runoff from paved surfaces, households can develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns. Homeowners can use fertilizers sparingly and sweep driveways, sidewalks, and roads instead of using a hose. Instead of disposing of yard waste, they can use the materials to start a compost pile. And homeowners can learn to use Integrated Pest Management (IPM) to reduce dependence on harmful pesticides.

In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected

and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target “hot spots” of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety,

and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved “don’t dump” messages.



Related Publications

Turn Your Home into a Stormwater Pollution Solution!

www.epa.gov/nps

This web site links to an EPA homeowner’s guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

National Management Measures to Control Nonpoint Source Pollution from Urban Areas

www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

Onsite Wastewater Treatment System Resources

www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

Low Impact Development Center

www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

Stormwater Manager’s Resource Center (SMRC)

www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

Strategies: Community Responses to Runoff Pollution

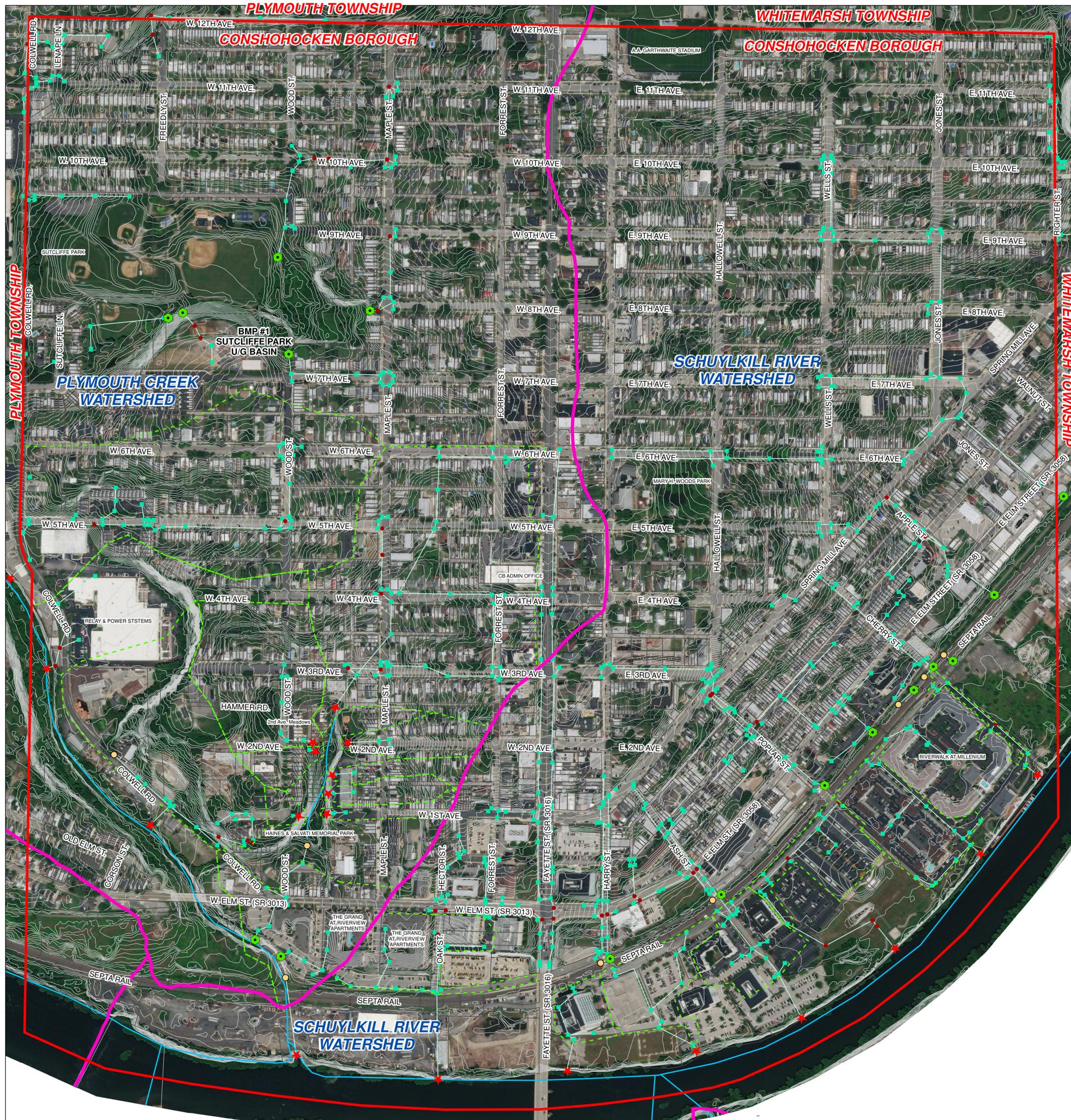
www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps



Legend

	Municipal Boundary		Endwall
	Watershed Boundary		Storm Inlet
	Outfall DA		Streams
	Outfall		Storm Pipe
	Manhole		Parcels
	Headwall		Contours

POLLUTANT CONTROL MEASURE MAP
SCHUYLKILL RIVER
CONSHOHOCKEN BOROUGH, MONTGOMERY COUNTY


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