

**EAST MANCHESTER TOWNSHIP
CHESAPEAKE BAY POLLUTANT
REDUCTION PLAN**

JULY 2017

Revised February 2018

Revised January 2024



PREPARED BY GORDON L. BROWN & ASSOCIATES, INC.

**EAST MANCHESTER TOWNSHIP
CHESAPEAKE BAY POLLUTANT REDUCTION PLAN
(2018-2023)**

Information Request 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 gather and evaluate 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.

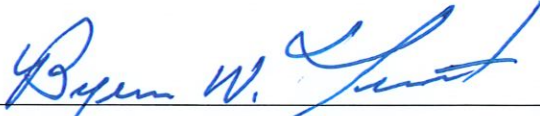
Signed 
Title TOWNSHIP ENGINEER
Date 2/8/24

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Introduction

This Chesapeake Bay Pollutant Reduction Plan (CBPRP) represents an effort by East Manchester Township to meet a component of the Pennsylvania Department of Environmental Protection (PADEP) Municipal Separate Storm Sewer (MS4) permitting requirements. The plan shall meet the minimum requirements for both Pollutant Reduction Plan (PRP) and for the Townships requirement of a Chesapeake Bay Pollutant Reduction Plan (CBPRP). Stormwater discharges from the Township discharge to local surface waters which ultimately tributary to the Chesapeake Bay watershed. It is the intent of the plan to show sediment pollutant load reductions in the urbanized area and improve local impairments while reducing nutrient loading as well.

This document was prepared by the following the guidance provided in the Pennsylvania Department of Environmental Protection (DEP) document 3800-PM-BCW0100k: National Pollutant Discharges Eliminations Systems (NPDES) Stormwater Discharges from small Municipal Septate Storm Sewer Systems Pollutant Reduction Plan (PRP) Introductions (rev.7/2017).

Those participating in the development and preparation of the (PRP) include the following:

Byron W. Trout, P.E. – Township Engineer

Kristie Masemer – Township Manager

David L. Naylor – Chairman

Darryl L. Albright – Vice-Chairman

Dean E. Kohr - Supervisor

Section A: Public Participation

A copy of the CBPRP/PRP plan was available for public review and comment at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, Pa 17347) and posted on the East Manchester Township website on August 11, 2017 through September 12, 2017. Advisement of the availability of the document was published in the York Daily Record on August 11, 2017 and included the availability of the plan, the comment period, and the Date/Time/Location of the public meeting. Proof of Publication is provided in Appendix II.

Public comments were accepted for 30 days following the publication date of the initial August 11, 2017 notice. The draft PRP was discussed at the August 8, 2017 meeting with the Board of Supervisors and Township staff. 8 public comments were received. Copies of all public comments and the responses issued to each comment are included in Appendix I.

A public meeting was held on September 12, 2017 @ the East Manchester Township building @ 5080 N. Sherman St. Ext, Mt. Wolf, PA 17347 @ 6:30pm to the public. Comments and questions were received during the meeting. A copy of the public meeting minutes are included in the Appendix I.

Several changes were incorporated into this report as a result of public comments. A record of the incorporated changes is included in Appendix I.

2024 (Revision)

A copy of the CBPRP/PRP plan is available for public review and comment at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, Pa 17347) and posted on the East Manchester Township website on February 14, 2024 through March 15, 2024. Advisement of the availability of the document will be published in the York Daily Record on February 14, 2024 and February 16, 2024 includes the availability of the plan, the comment period, and the Date/Time/Location of the public meeting. Proof of the confirmation of the Publication is provided in Appendix I.

Public comments will be accepted for 30 days following the publication date of the initial February 14, 2024 notice. The draft PRP was discussed at the January 22, 2024 meeting with the Board of Supervisors and Township staff. The draft PRP was also discussed at the January 31, 2024 meeting with DEP.

A public meeting will be held on April 9, 2024 @ the East Manchester Township building @ 5080 N. Sherman St. Ext, Mt. Wolf, PA 17347 @ 7:00pm. Comments and questions from the public will be documented during the meeting.

Section B: Planning Area Maps

As required, the Planning Area Maps shows impaired streams, urbanized area, municipal boundaries, and watershed boundaries within East Manchester Township, York County, PA. Delineated watersheds include the Lower Little Conewago Creek, Conewago Creek (Including Musser Run), Hartman Run, and the Codorus Creek. No areas were parsed from the Township Planning Area. The planning area for the original plan submission included only the area designated as the urbanized area which included approximately 5,086.6 acres. As required the planning area was expanded to include the urbanized area plus the areas outside the urbanized area which drains into the Townships conveyance system. The revised planning area was increased to 6,595.24 acres. A portion of the urbanized area touches into each of the delineated watersheds. The urbanized area is based on the 2010 Census.

Appendix VII contains five (5) maps identified as the revised Planning Area Map, Proposed BMP and Project Location Map, Land Use Map and maps for proposed stream projects. The Land Use Map shows an aerial representation of the land use activities within the municipal boundaries along with the urbanized area. Proposed BMPs are shown on the Project Location Map. Map 2 has been expanded to identify existing BMPs, proposed BMPs and areas that have been converted to no-till.

Section C: Pollutants of Concern

The pollutants of concern for each watershed were determined by referencing the PADEP's Pollutant Aggregation Suggestions for MS4 Requirements Table (Municipal) (rev. 6/26/2017). As there are multiple impaired stream segments located within the Planning Area, this plan addresses impairments and pollutants of concern by individual stream.

Table 1. Pollutants of Concern by Planning Watershed

Planning Area Watershed	Pollutants of Concern
Conewago Creek	Chesapeake Bay (Nutrients/Sediment): Musser Run (suspended solids)
Little Conewago Creek	Chesapeake Bay (Nutrients/Sediment)
Codorus Creek	Chesapeake Bay (Nutrients/Sediment): Codorus Creek (Siltation)
Hartman Run	Chesapeake Bay (Nutrients/Sediment): Susquehanna River (PCB)

According to the guidance provided in the PRP instructions, the assumption can be made that the sediment reduction goal will also result in achievement of the nutrient reduction goal. Therefore, from this point forward, this plan references sediment as the pollutant of concern.

Section D: Existing Loading Pollutant of Concern

D.1 Existing Pollutant Load Calculation

Using the Simplified Method, the impervious and pervious developed land acres were multiplied by the Developed Land Loading Rates for York County to determine the existing baseline pollutant loading for sediment (TSS) (Table 2). Loading rates used were from the DEP PRP instructions (Attachment B) (3800-PM-BCW0100k).

Table 2. Existing Pollutant Loading

York County Development Land		Development Land Pollutant Loading Rate	Existing Baseline Pollutant Load
Category	Acres	TSS (lbs/ac/yr)	TSS (lbs/yr)
Pervious	4401.06	220.40	969,994
Impervious	685.54	1,614.15	1,106,565
Land Draining to UA	1508.64	234.6	353,929
Total:	6,595.24		2,430,488

Table 3. Conversion from NLCD 2011

Land Use	Area Acres	% Impervious	Impervious Acres	Pervious Area (Acres)
Developed Open Space	855	19%	162.45	692.55
Developed Low Intensity	526.3	49%	257.89	268.41
Developed Medium Intensity	170.5	79%	134.70	35.80
Developed High Intensity	123.5	100%	123.5	0
Open Water	7	100%	7	0
Barren Land	32.1	0%	0	32.1
Forest	1304.7	0%	0	1304.7
Shrub	244.6	0%	0	244.6
Grassland	22	0%	0	22
Pasture Hay	921.3	0%	0	921.3
Cultivated Crops	864.8	0%	0	864.8
Wetlands	14.8	0%	0	14.8
Total	5,086.6		685.54	4401.06

Table 3A. Conversion from NLCD 2011 (Land Use outside of the Urbanized Area)

Land Use	Area Acres	% Impervious	Impervious Acres	Pervious Area (Acres)
Developed Open Space	108.71	15%	16.31	692.55
Developed Low Intensity	249.38	14.64%	36.51	268.41
Developed Medium Intensity	246.88	7.9%	19.50	35.80
Developed High Intensity	200.52	5.9%	10.21	0
Open Water	0.43	100%	0.43	0
Barren Land	0	0%	0	32.1
Forest	0	0%	0	1304.7
Shrub	133.4	0%	0	244.6
Grassland	0	0%	0	22
Pasture Hay	44.88	0%	0	921.3
Cultivated Crops	524.44	0%	0	864.8
Wetlands	0	0%	0	14.8
Total	1,508.64		82.96	1,425.68

The Land Use information comes from 2011 National Land Cover Database (NLCD 2011). Pervious and Impervious calculations are based upon (Table 3).

D.2 Baseline Adjustment for Previously Implemented BMPs

Prior to the completion of the PRP Plan the Township had required NPDES-Related BMP's to be installed as part of the Townships stormwater/MS4 program. These BMP's are being credited towards reducing the existing baseline loading as identified in (Table 4). A summary of the Pollutant Load Reductions are shown in Appendix III. The existing BMP locations were indicated on the mapping in Appendix VII.

Table 4. Adjusted Baseline Pollutant Loading

Baseline	Pollutant Load
	TSS (lbs/yr)
Baseline Pollutant Loading	2,430,488
Installed BMP Reduction	269,952
Adjusted Baseline	2,160,536

Section E: Select BMPs to Achieve the Minimum Required Reductions in Pollutant Loading

E.1 Pollutant Reduction Requirements

East Manchester Township is regulated by a PAG-13 General Permit and is required to meet, Appendix E (nutrients and/or sediment in stormwater discharges to impaired waterways), and Appendix D (nutrients and sediment in stormwater discharges to waters in the Chesapeake Bay watershed). Appendix E impairments based on siltation or total suspended solids (TSS) require a minimum 10% TSS reduction and impairments based on nutrients require minimum 5 % total phosphorus (TP) reduction. The pollutants of concern for Appendix D are TSS, TP, and total nitrogen (TN), with required loading reductions of 10%, 5%, and 3%, respectively. However, it is presumed that within the overall Bay watershed, the TP and TN goals will be achieved when a 10% reduction in sediment is achieved. It is the intent of the PRP to meet the 10% TSS reduction and it is assumed by the meeting TSS that the Nutrient Reduction Requirements shall also be met.

Table 5. Required East Manchester Township CBPRP Pollutant Reduction Goal

Planning Area Load Reduction		Pollutant Load
		TSS(lbs/yr)
EMT Adjusted Baseline		2,160,536
Required Reduction Percentage		10%
Load Reduction Goal		216,054

E.2 Proposed BMPs

The calculated Load Reduction Goal of 216,054 lbs/year shall be achieved by the installation and management of BMP's. Proposed BMP's were identified by Township staff and supervisors during discussion of the minimum requirements. In addition to the BMP's, the Township is also implementing changes to the existing stormwater management ordinance to require any new construction within the Planning Area, to provide an additional 15% of sediment reduction, above the minimum required reduction.

The following factors were considered when evaluating which projects to include in the plan: Location and accessibility, cost and the availability of grants, work within the urbanized and planning areas, work tributary to or along an impaired waterway, and the greatest pollutant reduction based upon a cost analysis. (Table 6) Indicates various types of BMP's proposed to be implemented.

Table 6. Proposed BMP Summary by BMP Type

Proposed BMP Type	Total Drainage Area (acres)	Total Length (ft)	Area (acres)	Pollutant Load Reduction TSS(lbs/yr)
Stream Restoration	N/A	4,640	N/A	208,243
Basin Retro fits	49.3	N/A		13,396

The pollutant loading reductions for each proposed BMP were calculated in terms of pounds per year of sediment using the DEP simplified method. Locations of proposed BMP's are indicated on Map 2 in (Appendix VII).

Proposed projects are planned in two of the defined watersheds as shown on the mapping (Appendix VII). The BMP project distribution is shown below (Table 7). No till conversions completed took place in the Conewago Creek watershed (6,8, & 9) and the Codorus Creek watershed (1,2,3, & 4) and are not reflected in Table 7 as proposed load reductions.

Table 7. Anticipated Pollutant Load Reductions by Planning Area Watershed

Planning Area Watershed	% of Planning Area Developed Land	BMP Pollutant Load Reduction TSS(lbs/yr)	% of Total Reduction
Conewago Creek	14%	0	0%
Little Conewago Creek	9%	13,396	6%
Codorus Creek	32%	0	0%
Hartman Run	45%	208,243	94%
Total:		221,639	

E.2.1 East Manchester Township BMPs

The groundwork for the Chesapeake Bay Pollutant Reduction Plan (CBPRP) was laid in 2014 when the initial York County Regional CBPRP was completed. This plan was approved by PADEP by way of letter dated August 31, 2015. That plan has been implemented and reported on annually during the 2013 PAG-13 permit term. During development of the BMP planning strategy for this plan, participants of the 2014 plan were asked to determine the status of unconstructed BMP projects in that plan. Additionally, ideas for new BMP projects were solicited from all participants. Projects by Municipal leaders for inclusion in this plan (Table 8).

Table 8 East Manchester Township BMP Summary List

Project Name	Project Type	Length (ft)	Stream	Pollutant Reduction TSS(lbs/yr)
Saginaw	Stream Restoration	625	Hartman Run	28,050
Hartman Run	Stream Restoration	4,015	Hartman Run	180,193
Orchard Lot 1	Basin Retro-fit		Little Conewago Creek	13,396

* East Manchester Township is also considering, requiring new development to increase sediment reduction by 15% to further reduce increased sediment load (ordinance revision to stormwater management). Additional reductions include expansion of No Till operations to include cover crops. Neither option was included with the proposed BMP's but would be used to reduce the load as development occurs.

E.3 Partnerships

East Manchester Township would look to partner with local organizations such as Watershed Alliance of York or Land Studies and regional groups such as the Chesapeake Bay Foundation. Previous partnerships included the CBPRP Regional Group with the YCPC. We have also been in contact with RES regarding a partnership with the Township in developing stream projects within the Township. In addition the Township discussed projects with ARRC to increase the allowable load based upon existing stream data.

E.3.1 Kinsley Properties Partnership

Kinsley Properties currently owns and maintains the largest industrial park within the township, which has several BMP's which could possibly be altered for basin retro-fits. We have been in discussion with Kinsley Properties on a possible partnership for reducing sediment within the industrial park.

E.4 Stormwater Inlet Cleaning

As a part of on-going MS4 maintenance, East Manchester Township routinely remove solids from their MS4s inlets. East Manchester Township monitors inlets after significant storms to aid in the reduction of sediment. No credit has been taken for inlet cleaning since the accuracy required for this credit, in accordance with the PADEP BMP effectiveness value table, has not been met.

E.5 Stormwater Basins (Greater than 1 acre)

Beginning in 2006, East Manchester Township began an Annual Inspection Program of all basins/BMP's greater than 1 acre of disturbance. The burden of cost of the inspections lies primarily on the Township but has become an integral part of our MS4 program.

E.6 Land Development BMPs Installed On Sites with Less than One Acre of Disturbance

For those small projects which did not disturb more than one (1) acre, East Manchester Township has been requiring BMP's to meet the minimum requirements. Since 2012, over 100 infiltration beds or trenches have been installed and inspected by the Township. No credit was taken since annual inspections are not completed. The Township is considering an optional inspection or reporting program to track the smaller BMP structures. A list of residential BMPs have been included in Appendix V.

Section F: Identify Funding

Plan implementations will be facilitated by the East Manchester Township staff.

Further, it is anticipated that grants will be applied for in support of specific projects. Potential grant sources include, but are not limited to:

- Pennsylvania Infrastructure Investment Authority (PENNVEST)
- Growing Greener Plus
- PADEP
- Pennsylvania Department of Conservation and Natural Resources (DCNR), applicable if stormwater BMPs are combined with a DCNR-priority project
- Commonwealth Finance Agency - Act 13 – Watershed Restoration Program
- Pennsylvania Infrastructure Bank, applicable if stormwater BMPs are combined with PennDOT – priority project
- National Fish and Wildlife Foundation (NFWF)
- Exelon Habitat Improvement Program funds through the PA Fish and Boat Commission and the York County Conservation District
- United States Army Corps of Engineers (USACE)
- Federal Emergency Management Agency (FEMA)/Pennsylvania Emergency Management Agency (FEMA)
- York County Planning Commission (CDBG)
- York County Community Foundation Codorus Watershed Endowment

Section G: BMP Operations and Maintenance (O&M)

All stormwater BMP projects installed under this Township CBPRP will be subject to the applicable municipal Stormwater Management (SWM) Ordinance that has been adopted in accordance with Act 167 and, if applicable, to grant agreement requirements. A stormwater maintenance fund fee has been created to allow for the annual inspections of the basin or after a significant rainfall.

The Operation and Maintenance (O&M) responsibilities for each stormwater BMP project must be included in a SWM BMP O&M Agreement or Plan, as applicable. The Agreement or Plan is subject to approval by the municipal governing body in which the project is located. Additionally, if the project is located on private land, the landowner must convey an easement to the municipality to assure access for periodic inspections by the municipality and maintenance, if necessary. As required by the PRP Instructions, O&M activities will be reported in the Annual MS4 Status Reports. Table 9 indicates the list of O&M activities, responsible party, and the frequency of the inspection.

East Manchester Township has developed a Stormwater Operation and Maintenance Plan (SOMP) on August 12, 2021 which details goals, pollution prevention/good housekeeping, inspection and maintenance of stormwater facilities, and a maintenance schedule for BMPs owned by the township. A copy of the SOMP has been provided in Section G.

No till activities existing or completed in the future shall be subject to the review and annual inspection by East Manchester Township and identified in the MS4 Annual Report.

Table 9: General BMP O&M Plan

BMP	O&M Activities	Responsible Party	Frequency
Stream Restoration	Inspection	Landowner or other assigned party	In accordance with compliant municipal Act 167 Stormwater Management Ordinance
	Revegetation (Replanting, replacement of dead, or impaired vegetation)		
	Repairs of streambank armoring structures		
	Removal of nuisance aquatic vegetation/wood debris		
Riparian Buffer	Inspection		
	Watering		
	Mowing/Weed Control		
	Invasive Species Removal		
Detention Basin Retrofit	Inspection		
	Pruning/Weeding		
	Cut Down Perennial Planting/Detritus Removal		
	Re-spread Mulch		
	Watering		
Bioretention Basin	Inspection		
	Pruning/Weeding		
	Cut Down Perennial Planting/Detritus Removal		
	Re-spread or Replenish Mulch		
	Watering		

Note that for projects requiring NPDES permits, the Township requires an operation and maintenance agreement to be recorded with each approved plan. Copies of the agreement may be reviewed at the Township office.

Gordon L. Brown & Associates, Inc.

Consulting Civil Engineers & Surveyors Established 1952



**DRAFT
OPERATIONS MANUAL
For
MUNICIPAL OWNED STORMWATER FACILITIES
East Manchester Township**

**YORK COUNTY, PENNSYLVANIA
5080 NORTH SHERMAN ST. EXT.
MT. WOLF, PA 17347**

August 12, 2021

**2238 South Queen Street
York, PA 17402-4631
717-741-4621 Phone
717-741-1418 Facsimile
GLBA-Engineering.com**

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Contact Information

Township Manager:	Kristie Masemer (717)-266-4279
Public Works Director:	Shane Haugh (717)-266-4279
Public Water:	The York Water Company (717)-845-3601
Public Sewer:	Northeastern York County Sewer Authority (717)-266-1493
Township Engineer:	Byron Trout – Gordon L. Brown & Associates (717)-577-7827 or (717)-741-4621

1. Goals

The goal of the Operations, Maintenance, and Inspection manual is to ensure that all East Manchester Township storm water facilities are functioning properly and limit pollution runoff to the maximum extent practical. If work on any part of the Municipal storm water system is conducted by outside contractors, they will also be required to follow the procedures outlined in this manual. This O & M manual will be reviewed periodically and revised as needed.

2. Pollution Prevention/Good Housekeeping Procedures

Preventive measures are essential components to an effective stormwater management program because they reduce the potential for introducing pollutants into stormwater runoff. The following guidelines encourage a clean work environment through routine maintenance and reduce the possibility for chemical spill, leaks, or area contamination. Municipal staff should receive regular training in the handling of the various equipment and chemicals used by the Municipality. A training log will be used to keep a record of the training received by staff and outside contractors throughout the year.

a. Housekeeping

- Maintain clean, dry floor and ground surfaces. Sweeping shall be conducted as needed to remove dirt and other debris that has the potential to be washed into storm drains or streams when practical.
- Check vehicles and maintain to prevent fluid loss.

b. Storage and Handling of Material

- All containers, drums, and bags shall be stored outside vehicle and foot traffic areas.
- Fluids and other chemical supplies shall be kept in well ventilated areas indoors (where practical). Containers shall be clearly labeled, sealed, and stored as per manufacturer's recommendations when not in use.
- Absorbent material, spill kits and drip pans are to be kept near potential spill hazard. Protect materials from weather conditions if located outdoors.
- Perform annual inspections of all indoor and outdoor storage locations. Keep a record of inspections.

c. Spills

- Contain the area with dike, berms, and/or applicable dry absorbent materials.

- Protect drains and effected outlets with absorbent materials (e.g. PIG MRO type sock, Haz-Mat PIG Pads)
- Check contamination areas and determine source of spill.
- Monitor contamination areas and keep written and photographic documentation of action taken.
- Collect and dispose of contaminated material properly in labeled containers.
- Spills of hazardous materials should only be remediated by trained Municipal Staff or other contracted personnel with experience in removal of hazardous material.
- Record spill occurrences, its location, spill type, method of clean up and responding personnel.
- Notify DEP if spill is considered to be one (1) gallon or more.

DEP Harrisburg: (717)-705-4700 (Southcentral Regional Office)
DEP Headquarters: (717)-783-2300
Environmental Emergency: 1-800-541-2050

3. Inspection and Maintenance of Stormwater Facilities

East Manchester Township has a mix of storm sewer lines including corrugated metal pipe (CMP), smooth line corrugated polyethylene pipe (SLCPP), and reinforced concrete pipe (RCP). Large portions of the stormwater system are outside of street roads and are privately owned. The MS4 Stormwater system and the corresponding outfalls are shown on the East Manchester Township Outfall Map.

All municipally owned stormwater facilities will be operated in a manner that prevents or reduces adverse environmental, public health and safety impacts. Routine inspections and maintenance tasks are part of Municipal staff regular job duties.

a. Stormwater Structures

- Visual inspections shall identify any damage, deterioration, collapsed pipes, misalignment and/or vandalism of stormwater structures.
- Visual inspections shall locate and identify illegal dumping activities (trash, garbage; construction debris, chemicals, etc.) potentially impacting stormwater facilities.
- When cleaning inlets of debris and trash, inlets shall be inspected for evidence of illicit discharges. Municipal representative shall make

attempts to trace back discharges to their origin source and issue corrective measures.

- Cleared materials from inlets, pipes, outfalls, structural BMPs shall be evaluated to determine if it is municipal, residual, or hazardous waste.
- Keep written log on file with the Township Public Works Director of inspection activities, including resulting in repairs, clean-up activities, maintenance or citations issued. Inspections may also include photographs to document conditions found by the East Manchester Township Road Crew staff or other contracted Municipal representatives.
- Township Public Works Director shall prepare a list of maintenance duties and schedule for stormwater facilities owned by the Municipality. A copy of the maintenance schedule is to be kept on file with the Public Works Department and is included in the Operation and Maintenance (O&M) Manual Appendix.

b. Stormwater Best Management Practices (BMPs)

Best Management Practices (BMPs) may include rain gardens, wet ponds, bio-retention areas, detention basins, infiltration areas, riparian buffers, vegetated swales/channels, and porous pavement.

- The Township shall maintain stormwater BMPs owned by the Township that function as part of their Stormwater management program (SWMP).
- Structural BMPs shall be investigated after significant storm events to identify sediment accumulation, riser obstructions, vegetation growth, invasive or monoculture plant communities, animal burrowing, erosion of embankments, erosion near storm structures, and excessive algae growth.
- Use of chemical agents for maintenance practices is highly discouraged. Alternative methods of control are encouraged.
- If chemical agents must be used, their use shall be limited. Chemical use must be approved by the Township Administrator/Public Works Manager and be applied by a qualified professional that is licensed by the Commonwealth of Pennsylvania, Department of Agriculture. A copy of their license (herbicide, pesticide) shall be provided prior to any work kept on file.
- Annual and significant maintenance activities are to be documented in writing and kept on file with the East Manchester Township Office.
- Refer to Annual Basin Inspection form.

c. State Roads

East Manchester Township has approximately 21.12 miles of roads that are owned and maintained by the Pennsylvania Department of Transportation (PennDOT) as listed below:

S.R. 0181 – George Street, N. George Street Ext.
S.R. 0024 – Sherman Street, N. Sherman Street Ext.
S.R. 0921 – Canal Road, Mt. Zions View Road
S.R. 1019 – Wago Road
S.R. 1025 – Saginaw Road
S.R. 1027 – Market Street
S.R. 1008 – Codorus Furnace Road
S.R. 1029 – Mount Hebron Church Road
S.R. 1031 – Board Road (Between Manchester Borough and Church Road)
S.R. 1010 – Starview Road
S.R. 1004 – Conewago Creek Road
S.R. 1021 – Locust Point Road
S.R. 1006 – Long Road

- The Public Works Department shall visually evaluate and inspect PennDOT roads during routine travel.
- Debris and sediment in the roadway shall be reported to PennDOT or removed by the city to maintain clear travel lanes.
- Areas with repeated flooding and/or poor drainage shall be identified and reported to PennDOT to review appropriate corrective actions.
- State roadways in which the Township has entered into a winter traffic services agreement with PennDOT to provide winter maintenance should include the activities listed under the Local Roads subsection below, as necessary.

PennDOT Contact: District 8
 2140 Herr Street
 Harrisburg, PA 17103-1699
 (717)-787-6653

d. Local Roads

- Street sweeping shall be performed by the Township Road Crew at least once during the calendar year. Additional street sweeping shall be performed on an as-needed basis, as determined by the Township Public Works Director.
- All street sweeping operators must be trained in the proper use of vacuum sweeper equipment.

- Avoid paving activities during wet weather.
- Do not use water to remove construction debris and/or dust from construction areas.
- Do not wash debris into the storm system.
- Use mechanical sweepers and/or vacuums to collect and dispose of construction debris.
- Contain and properly dispose of water and wastes generated from cleaning construction equipment.
- Use inlet protection devices and allow areas to dry before uncovering inlets.
- Recycle waste materials where applicable (i.e. asphalt, stone, ...)
- Storage of snow removal and de-icing materials used for roadways shall be located and managed in a manner to reduce impacts on the storm sewer systems and environment.
- Salt storage is to be protected from wet weather (precipitation).
- Clean up and remove any spilled salt and/or de-icing materials during loading and unloading activities to minimize tracking of materials.
- Operators of snow plows/salt spreaders are to be trained in proper application rates. Salt spreaders shall be examined prior to each operation to ensure they are functioning properly.
- Application rates shall be enough to accomplish the task for roadways and parking lots being mindful of special circumstances, such as proximity to surface waters, drainage to BMP structures, road widths and traffic concentration.
- Township Road Crew is responsible for clearing inlets of excessive sediment or debris accumulations.
- All materials cleared from the Municipal storm sewer system shall be handled and disposed of in accordance with all applicable state and federal disposal regulations.

4. Maintenance Schedule

a. Pollution Prevention/Good Housekeeping Maintenance Duties

The following guidelines are reviewed and revised by East Manchester Township as needed. If work on any part of the Municipal storm sewer system is conducted by outside contractors, they shall also be required to adhere to the following:

Attachment #1: Public Works Yard North
(Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Signage for Each Activity	Quarterly	<ul style="list-style-type: none"> • Make sure they are up and effective 	Keep a spare of all signs
Fluid Management	Daily	<ul style="list-style-type: none"> • Store oil to minimize leaks and allow cleanup of any that occur • Work inside • Minimize use of solvents • Eliminate leaks in vehicles and equipment, use drip pans • Have a Spill Prevention Control and Countermeasure (SPCC) plan up to date. Stockpile of spill cleanup material in plain sight. • Recycle used oil. Temporarily store under cover. Designate a site to dispose of any fluids drained from vehicles. • Check oil separator (quarterly) • Have separate receptacles for greasy rags, oil filters, etc. 	Applies to oil, coolant, solvents and paints. Fuel is separate below.
Stormwater	Quarterly	<ul style="list-style-type: none"> • Inspect stormwater infiltration structure • Inspect inlets, remove/dispose of material at the incinerator or store onsite until adequate amount may be hauled to the local landfill 	Check stormwater facilities after each rainfall greater than 3 inches.
Fueling	Daily	<ul style="list-style-type: none"> • Limit fueling of vehicles to the North Public Works Yard “Diesel & gas” • Spot-clean leaks and clean up using approved absorbent • Report leaking vehicles • Apply “Do Not Top Off Tank with Fuel” sign • Spot-clean leaks and clean up using approved absorbent • Report leaking vehicles • Label valves • Nozzles have an auto shutoff. Auto shutoff for severed hoses. Existing leak detection • Concrete fueling pad existing at tank area only. 	Pumps are locked and for municipal use only. Limit keys and those permitted to utilize the pumps.
Vehicle Wash Water	Daily	<ul style="list-style-type: none"> • Wash inside the existing building which is tributary to the existing grease/oil separator • Take vehicles to commercial car washes • Allow no wash water to enter a storm sewer or stream • Convert to phosphate free biodegradable detergents 	
Cinder Piles	Weekly	<ul style="list-style-type: none"> • Haul and store in dry weather • Sweep up spill around storage/loading areas • Maintain mulch berms and erosion controls downstream of pile • Test cinder piles 	

EAST MANCHESTER TOWNSHIP

Material Storage	Weekly	<ul style="list-style-type: none"> Storage of hazardous materials shall be confined to the South Public Works Yard Stored outside materials shall be limited to those that are not environmentally evasive, such as inlets, storm piping, cast iron structures and aggregate piles Topsoil piles shall be seeded and mulched when not in use and be located above existing mulch berms or erosion controls 	
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Attachment #2: Public Works Yard South (Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Signage for Each Activity	Quarterly	<ul style="list-style-type: none"> Make sure they are up and effective 	Keep a spare of all signs
Fluid Management	Daily	<ul style="list-style-type: none"> Store oil to minimize leaks and allow cleanup of any that occur Work inside Minimize use of solvents Eliminate leaks in vehicles and equipment, use drip pans Have a Spill Prevention Control and Countermeasure (SPCC) plan up to date. Stockpile of spill cleanup material in plain sight. Recycle used oil. Designate a site to dispose of any fluids drained from vehicles. Have separate receptacles for greasy rags, oil filters, etc. 	Applies to oil, coolant, solvents and paints. Fuel is separate below.
Stormwater	Quarterly	<ul style="list-style-type: none"> Inspect stormwater infiltration structure Inspect Stormwater basin and outfall Inspect inlets, remove/dispose of material at the incinerator or store onsite until adequate amount may be hauled to the local landfill 	Check stormwater facilities after each rainfall greater than 3 inches.
Fueling	Daily	<ul style="list-style-type: none"> Limit fueling of vehicles to the North Public Works Yard "Diesel & Gas Only" Spot-clean leaks and clean up using approved absorbent Report leaking vehicles Concrete fueling pad existing at tank area only. 	
Vehicle Wash Water	Daily	<ul style="list-style-type: none"> Wash inside the existing building is not permitted and is limited to the North Public Works Yard Take vehicles to commercial car washes The non-functioning inlets inside the building should only be used as a secondary trap and cleaned as necessary 	
Salt/Cinder Piles	Weekly Seasonal	<ul style="list-style-type: none"> Haul and store in dry weather Sweep up spill around storage/loading areas Keep rain off stored salt Calibrate spreaders Test cinder piles New Salt building constructed in 2020 including capture areas. 	
Material Storage	Weekly	<ul style="list-style-type: none"> Storage of hazardous materials shall be confined to the South Public Works Yard Stored outside materials shall be confined to the North Public Works Yard 	

Attachment #3: Streets
(Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Street Sweeping	Biannually	<ul style="list-style-type: none"> • Notify residents of upcoming street sweeping activities. • Post “No Parking” signs for street sweeping. • Collect, document quantity and adequately dispose of the materials collected by street sweeping. Sweeping completed from April through December. 	Streets are often swept more than two times.
Storm inlets and piping	Inspect after each heavy rain, and maintenance activities	<ul style="list-style-type: none"> • Haul cleanout stockpiled materials to the incinerator or landfill • Install and maintain labels on the storm structures and outfalls 	Labels should identify “No Dumping” and “Drains to the Bay or Stream”
Snow Removal & De-icing	As needed after each snowfall or icing event	<ul style="list-style-type: none"> • Haul and store salt and cinders during dry weather • Calibrate equipment to limit the salt and cinder application based upon the storm type and the anticipated storm amount 	

Attachment #4: Buildings
(Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Snow Removal	As needed	<ul style="list-style-type: none"> • Manually remove all snow and ice from building walks limiting the amount of salt used for only extreme icing conditions. 	
Chemical Storage	Daily	<ul style="list-style-type: none"> • Chemical storage shall be adequately stored and labeled. • Convert to phosphate free biodegradable detergents. • Illicit chemicals are not permitted to be stored within the general office area and shall be confined to the South Public Works Yard. 	
Maintenance	As needed	<ul style="list-style-type: none"> • General repairs to the buildings shall be completed limiting earth disturbance and the use of illicit chemicals. All materials such as asphalt, roofing surfaces, carpet, tile, building materials and general waste shall be recycled where applicable or disposed of at the incinerator or landfill. 	

Attachment #5: Parks
(Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Stormwater	As needed	<ul style="list-style-type: none"> • Haul cleanout materials to the incinerator or landfill. • Install and maintain labels on the storm structures and outfalls 	Labels should identify “No Dumping” and “Drains to the Bay or Stream”

EAST MANCHESTER TOWNSHIP

Maintenance	As needed	<ul style="list-style-type: none"> The grounds of Saginaw and Dauberton parks shall be inspected weekly to identify any problems with erosion, illicit discharges, or general damage to the parks. During the months of April through October, porta-johns are provided in the park. Porta-johns shall be anchored to prevent tipping and shall be adequately cleaned on a weekly basis and as needed. General mowing of the parks shall meet the East Manchester Township Zoning Ordinance. Mowing shall be completed with a mulch style mower or the clippings should be bagged and disposed of at the landfill. 	
Trash	Daily	<ul style="list-style-type: none"> Provide trash receptacles at Saginaw and Dauberton parks. Trash shall be emptied from the receptacles Monday through Friday and disposed of at the incinerator. 	

Attachment #6: Stormwater Conveyance (Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Cleaning	As needed	<ul style="list-style-type: none"> Haul cleanout materials to the stockpile, incinerator or landfill Install and maintain labels on the storm structures and outfalls During any street improvement project, the stormwater conveyance system shall be inspected and cleaned 	
Maintenance	As needed	<ul style="list-style-type: none"> Dilapidated stormwater conveyance systems shall be repaired or replaced as needed. The earth adjacent to the repair or replacement shall also be stabilized. Materials removed from the ground shall be recycled or hauled to the land fill pending on the material Stormwater conveyance systems shall be monitored for illicit discharges and erosion to receiving waterways 	

Attachment #7: Vehicle Operation and Maintenance (Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Fueling	As needed	<ul style="list-style-type: none"> Limit fueling of vehicles to the South Public Works Yard Apply "Do Not Top Off Tank with Fuel" signs Spot-clean leaks and clean up using approved absorbent Report leaking vehicles Non diesel vehicles fueled offsite 	
General Maintenance and Repairs	As Needed	<ul style="list-style-type: none"> Store oil to minimize leaks and allow cleanup of any that occur Work inside South Public Works Yard Minimize use of solvents Eliminate leaks in vehicles and equipment; use drip pans Have a Spill Prevention Control and Countermeasure (SPCC) plan up to date. Stockpile of spill cleanup material in plain sight. Recycle used oil. Temporarily store under cover. Designate a site to dispose of any fluids drained from vehicles. 	

EAST MANCHESTER TOWNSHIP

		<ul style="list-style-type: none"> Have separate receptacles for greasy rags, oil filters, etc. Stormwater conveyance systems shall be monitored for illicit discharges and erosion to receiving waterways. Oil changes for vehicles are completed off-site at a recognizable approved mechanic. All fluids are disposed of by the off-site mechanic. General repairs such as welding, hoses and hydraulic lines are completed in the South Public Works Yard. Spills are adequately cleaned, documented and disposed of in an approved location. 	
Washing	As Needed	<ul style="list-style-type: none"> Washing of vehicles is only permitted at the North Public Works Yard Take vehicles to commercial car washes 	

Attachment #8: Stormwater Basins & Infiltration Structures (Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Maintenance	Weekly	<ul style="list-style-type: none"> Municipal owned basins are located at Dauberton Park Top of bank and outside side slopes are mowed weekly. Inside side slopes and basin bottoms are mowed annually. Basins are inspected annually by the Township Engineer and required repairs documented Large trees are kept free of the basin bottom and fill slopes The outlet structures are kept free and clear of debris and trash while the outfall is stable. Fence around the perimeter is maintained to prevent unwanted access. Bare earth or eroded areas are filled, stabilized, seeded and mulched Municipal owned infiltration structures are located at the North and South Public Works yards. Each is annually inspected. The inlet at the South yard is inspected weekly because of its proximity to the ash pile. 	Basins shall be inspected after each significant rainfall event greater than 3 inches.
Dewatering	As Needed	<ul style="list-style-type: none"> Basin outlet structures are maintained in working order Basins are accessible within a 72 hour period after a significant storm event 	
Trash Removal	As Needed	<ul style="list-style-type: none"> Basins are visually inspected with the park inspection (Attachment #5). Trash is removed from the basin to prevent blockage of the outlet structures. Trash removed from the basins is disposed of at the incinerator 	

Attachment #9: Transfer Operation (Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Leaf/Yard Debris Pickup	Seasonal	<ul style="list-style-type: none"> Municipal leaf pickup begins the last Monday in October and continues through the first Friday in December, weather permitting 	Recommend that the leaves be used as compost for landscaping and gardening.

EAST MANCHESTER TOWNSHIP

		<ul style="list-style-type: none"> Leaves are collected and conveyed to the Sand Bank Recycling center where they are used for compost material and BMP soil mixture Excess leaves are hauled to the incinerator 	
Waste Collection	Weekly	<ul style="list-style-type: none"> Waste pickup is provided through a contracted agent (Penn Waste) 	Grass clippings, stumps, dirt and stones are not considered to be yard waste and shall not be picked up by Penn Waste.
Recyclables	Weekly	<ul style="list-style-type: none"> Recyclable pickup is provided through a contracted agent (Penn Waste) 	

Attachment #10: Right-of-Way Maintenance (Contact: Shane Haugh, Public Works Director)

Responsibility	When and How Often	Actions	Additional Considerations
Mowing and weed control	Seasonal	<ul style="list-style-type: none"> Mowing is completed along Township-owned and maintained streets Mowing is completed by utilizing a "Tiger Mower" Larger trees within right-of-way are hauled away from site and disposed at the incinerator 	

* Each new employee shall be trained on these procedures.

** This O&M Plan shall be reviewed annually for possible improvements.

b. Stormwater Best Management Practices (BMPs) Duties

The following guidelines are reviewed and revised by East Manchester Township as needed. If work on any part of the Municipal storm water system is conducted by outside contractors, they shall also be required to adhere to the following:

Table 1

Activity	Maintenance Task	Frequency
Storm Structures	<ul style="list-style-type: none"> Measure sediment accumulation levels in each BMP. 	Annually
	<ul style="list-style-type: none"> Inspect during significant storm events to evaluate proper functioning and compare against as-built plans (by engineer). Determine adjustments/corrective measures needed to facilitate BMP functions during wet weather inspection. Yearly Inspection 	Annually
	<ul style="list-style-type: none"> Inspect condition of inlets, trash racks, outfalls, look out points, and risers for evidence of leakage, damage, or corrosion. Repair damaged areas promptly. Keep records of repairs. 	Annually
Mowing	<ul style="list-style-type: none"> Mow grass to a height no less than four inches. Maintain pond/basin perimeter as meadow. Maintain buffer vegetation at least five feet wide along the BMP edge. Do not mow to the water edge. 	Annually

	<ul style="list-style-type: none"> Do not direct clipping into the BMP. Do not use chemical fertilizers. Avoid creating tire ruts when mowing along banks as soil can get compacted, killing vegetation and create temporary pools for mosquito larvae. 	
Weeding	<ul style="list-style-type: none"> Inspect and remove invasive plants along BMP perimeters. Dispose of materials in designated area outside BMP. 	Bi-Annually (Spring-Fall)
Rain Gardens, Detention Basins, Bio-Retention, Infiltration, Vegetated Channels	<ul style="list-style-type: none"> Inspect embankments and principal spillways for evidence of sloughing, animal burrows, woody growth, or erosion that may undermine embankments. Repair damaged areas immediately. Keep records of repairs. Inspect internal and external side slopes of the BMP for evidence of sparse vegetative cover or slumping. Repair damaged areas immediately. Remove and dispose of trash, debris, and dead vegetation. Dispose of items properly off-site. Keep records of vandalism and repair measures. 	Bi-Annually (Spring-Fall)
Watering	<ul style="list-style-type: none"> Supplemental watering to be provided during plant establishment period, replacement plantings or periods of rainfall shortage. Water may be pumped from the BMP, if applicable. 	As Directed
Aeration	<ul style="list-style-type: none"> Compacted soils may require aeration to re-establish soil composition, rejuvenate vegetation and reduce weeds. Use core aerator for four-to-six-inch depth. Make 2 passes with aerator. 	As-Directed
Winter Salt on Pavements	<ul style="list-style-type: none"> Minimize salt and de-icing agents adjacent to BMP. Use alternative de-icing agents to rock salt when available. 	As-Directed
Sediment Excavation	<ul style="list-style-type: none"> Remove sediment when pond volume is reduced by 25%. Sediment volume removed shall return BMP to its designed water depth as indicated on approved grading plans. Drain BMP to allow soil to dry and small equipment to access interior for excavations or retain water level and use equipment with extension arm beyond the BMP embankment. Do not store sediment pile within any floodplain or streambank. Review York County Conservation District Erosion and Sedimentation (E&S) control guidelines for on-site BMP sediment removal and storage prior to any excavation work. Material may need to be dried on-site prior to hauling for final disposal. Record activities and volume of material removed. At no time shall the removed sediment be dumped off-site onto property not previously approved by the York County Conservation District. 	Every 7-10 years or as needed

5. Forms

a. Maintenance Record for Equipment

See attached form.

b. Maintenance Record for Structures and BMPs

See attached form.

c. Training Record for Staff

See attached form.

STAFF TRAINING

TRAINING DATE:	
TRAINING DESCRIPTION:	
NAME OR TRAINER/MODERATOR:	
DEPARTMENT/COMPANY:	

Training was conducted in House? ☐ Yes ☐ No

Type of Training

- ☐ Staff Speaker
- ☐ Guest Speaker
- ☐ Conference
- ☐ Webinar/Internet Session
- ☐ Joint Municipal Training
- ☐ Other (Explain)_____

Purpose

- ☐ Required by Department (Municipal)
- ☐ Required by Government Agency
- ☐ Continuing Education (Sought by Individual)
- ☐ Education offered by Municipality
- ☐ Other (Explain)_____

Attendance

Attach attendance sheet with names and signatures of employees who received training as a group. Staff receiving individual training and/or continuing education shall attach a copy of their attendance certificate or a copy of the educational session pamphlet.

ATTENDANCE SHEET

Training Date:

Training Description:

EMPLOYEE NAME	EMPLOYEE SIGNATURE

ATTENDANCE

Attach attendance sheet with names and signatures of employees who received training as a group. Staff receiving individual training and/or continuing education shall attach a copy of their attendance certificate or a copy of the educational session pamphlet.

EAST MANCHESTER TOWNSHIP

MAINTENANCE RECORD (Equipment)

EQUIPMENT/VEHICLE:	
LOCATION:	
DEPARTMENT IN CHARGE:	

Regular Maintenance Activities: - Provide Description

Work was conducted as: ☐ Regular Maintenance ☐ Discovery or Problem

Reason for Corrective Action: Description of problem found

Comments/Notes:

Repair Complete Date: _____

EAST MANCHESTER TOWNSHIP

MAINTENANCE RECORD (Structures & BMPs)

CONTROL MEASURE:	
LOCATION:	
DEPARTMENT IN CHARGE:	

Regular Maintenance Activities: - Provide Description

Work was conducted as: ☐ Regular Maintenance ☐ Discovery or Problem

Reason for Corrective Action: - Description of problem found

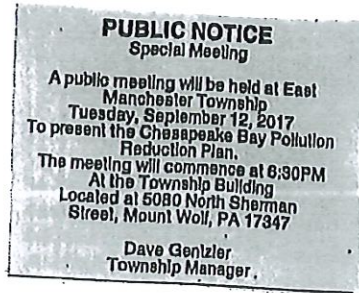
Comments/Notes:

Repair Complete Date: _____

APPENDIX I
Public Participation

Proof of Publication
State of Pennsylvania

AD # 0001689965-01



The York Dispatch/York Sunday News and York Daily Record are the names of the newspaper(s) of general circulation published continuously for more than six months at its principal place of business, 1891 Loucks Road, York, PA 17408.

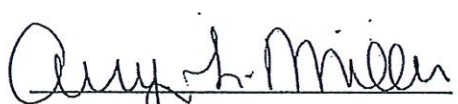

The printed copy of the advertisement hereto attached is a true copy, exactly as printed and published, of an advertisement printed in the regular issues of the said **The York Dispatch/York Sunday News and York Daily Record** published on the following dates, viz:

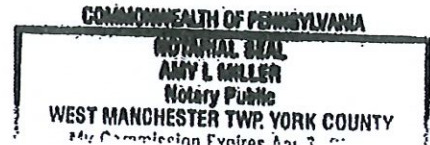
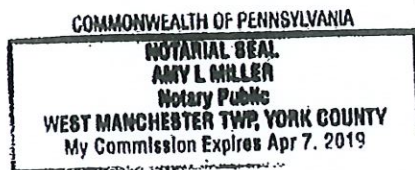
8/30/2017

**COMMONWEALTH OF PENNSYLVANIA
COUNTY OF YORK**

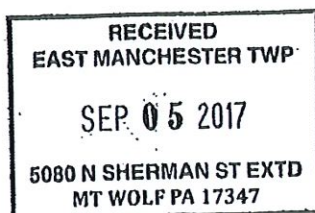
Before me, a Notary Public, personally came Sherry Bobby who being duly sworn deposes and says that she is the Legal Advertising Clerk of The York Dispatch/York Sunday News and York Daily Record and her personal knowledge of the publication of the advertisement mentioned in the foregoing statement as to the time, place and character of publications are true, and that the affiant is not interested in the subject matter of the above mentioned advertisement.

Sworn and subscribed to before me, on
this 30 day of August 2017

 } 
Notary Public



The charge for the following publication of above mentioned advertisement and the expense of the affidavit.



Advertisement Cost	\$92.80
Affidavit Fee	\$5.00
Total Cost	\$97.80

PUBLIC NOTICE

Public participation is being requested by East Manchester Township in connection with the Chesapeake Bay Pollution Reduction Plan (2018 - 2023). Copies of the plan are available for public review and comment at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, PA 17347) and on the Township website (emanchestertwp.com) beginning August 11, 2017 through September 12, 2017. Public comments and responses will be accepted through Sept. 12, 2017. A public meeting shall be held on Sept. 12, 2017 at 6:30 PM at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, PA 17347) to address any comments or questions.

Dava Gentzler
Township Manager

GLB&A - Byron Trout

From: YNC-Legals <YNC-Legals@mediaonepa.com>
Sent: Thursday, August 10, 2017 11:24 AM
To: GLB&A - Byron Trout
Subject: RE: East Manchester Township

This notice will publish Aug. 11, 2017.
Ad #1687267, cost \$125.20.

Thanks.

Karen

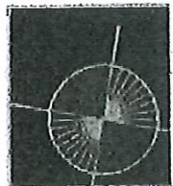
From: GLB&A - Byron Trout [mailto:btrout@glba-engineering.com]
Sent: Wednesday, August 09, 2017 3:41 PM
To: YNC-Legals <YNC-Legals@mediaonepa.com>
Subject: East Manchester Township

Is it possible to advertise the attached document on Friday August 11, 2017. If so please provide the proof of publication and invoicing to:

Gordon L. Brown & Associates, Inc.
2238 South Queen Street
York, PA 17402

Phone 717-741-4621
Email: Btrout@glba-engineering.com

Byron W. Trout, P.E.



Gordon L. Brown & Associates, Inc.

2238 South Queen Street
York, PA 17402-4631
P: 717.741.4621 Ext: 16
F: 717.741.1418
C: 717.577.7827
btrout@glba-engineering.com
www.glba-engineering.com

Consulting Civil Engineers and Surveyors

Breaking New Ground Since 1952!

Copies of all public comments and the responses issued to each comment

Public Comments

August 8, 2017

1. It was noted that the map that is included is quite outdated.
Byron to review map for alterations. Map was not changed because of storage and file size.
2. Requested that something be done about the stream area on Riverview.
Seems to be a major project, as the creek “run swift” there, making it more difficult to work. Project was not included in the report.
3. Other projects to consider; Creek Bottom, Saginaw. Orchard Lot 1 basin retrofit, Saginaw, and “no-till” will remain on the list.
Discussed projects based on accessibility and financial obligations. Final projects included Saginaw, Orchard Lot 1, and no-till incentive.

August 21, 2017

1. See attached email (Positive Comment)
Ok

September 12, 2017

1. Chairman Gross asked if there will be future credits given for future development.
PRP improvements are required as part of the subdivision and land development process. Additional credits are only taken if the developer exceeds the minimum requirements.
2. Chairman Gross suggested that the no-till incentive be paid to the landowners not to the forming contractors.
No changes were directly made to the PRP plan but once the incentive program is put in place, legal documentation contracts regarding the implementation of the program would clearly define how the program would be financially distributed.
3. Township staff requested that the minutes from July 11, 2017 meeting be referenced in the report.
The minutes are included in the report, specifically referencing DEP’s comment that “the agency will be flexible and that DEP wants the township to be creative in its solutions.”
4. How was the no-till calculations presented?
Details are identified in Appendix IV. Calculations are based on a 20% reduction of sediment based upon information USDA.

Meeting minutes for the meeting at which the CBPRP was presented

EAST MANCHESTER TOWNSHIP
Board of Supervisors
August 8, 2017

Present: Chairman Steven H. Gross, Jr., Vice-Chairman David L. Naylor, Supervisor Barry E. Rudisill, Attorney Andrew Miller, Dave Gentzler, Manager/Secretary/Treasurer, Engineer Byron Trout, Zoning Officer Kristie Masemer, Recording Secretary, and seven citizens.

At a regular meeting held at the Township building, Chairman Steven H. Gross, Jr. called the meeting to order at 7:00 p.m.

The Pledge of Allegiance was given to the Flag of the United States of America.

Chairman Gross disclosed that since the meeting of July 11, 2017, the Board neither met nor conducted any business.

Motion by Supervisor Rudisill, second by Vice Chairman Naylor, to approve the minutes of the meeting of July 11, 2017. All members voted aye; motion carried.

Public Comments

Mike Starner, Susquehanna Lions Club, requested permission to hold the Hallowe'en Parade again this year. **Motion by Chairman Gross, second by Vice Chairman Naylor, to approve the request by the Lions Club to hold the parade AND to authorize the donation of \$5K as budgeted. All members voted aye; motion carried.** Thanks, indeed, to the Lions Club for continuing to hold this well-done event.

Joel Klinedinst had a request concerning Wago Road, at the first underpass on the creek – the wall is collapsing – something needs to be done! The guide rail is hanging in mid-air. Yes, it's a PennDOT Road, so the Township is not responsible, but can someone be contacted? Mr. Gentzler reported that just today he received an email requesting further information on trouble spots in the Township. Mr. Gentzler will meet with the person and show him all the concerns in the Township. Great.

Emergency Services Report

Fire Chief's Report – Vice Chairman Naylor asked for clarification from the Mt. Wolf Fire Chief about new member application/approvals. Explained. Chairman Gross asked of the same person how often Mt. Wolf is dispatched to YAUFR? Mostly they do not respond to those calls. Chairman Gross had a few other questions about the Mt. Wolf report/letter.

Ambulance Club – Supervisor Rudisill noted that the outstanding funds have been dropping slightly but steadily.

Special Requests

Nothing at this time.

Correspondence

YCPC Document – "Housing for our Aging Population"
Talen Energy – PaDEP Residual Waste Permit Renewal
Comcast Agreement for Residential Services – no action needed.
York County Community Foundation – Codorus Watershed Projects

Solicitor's report – Attorney Stephanie Kogut

- Agreement of Sale – Center Street Property (Leppo) – settlement hopefully 8/16/17
- Two municipal liens were filed and one tax assessment appeal filed.
- Short Executive Session requested following this meeting to discuss another matter

Engineer's report – Byron Trout

Inspections

Plan reviews

Correspondence

MS4 and Chesapeake Bay Plan

Draft PRP Plan – Mr. Trout reviewed the draft of his presentation. Once approved, the Plan must be advertised, then a public meeting will be held (Mr. Trout recommends immediately before the September Board of Supervisors meeting). It was noted that the map that is included is quite outdated. Please, find an updated aerial map to give a true representation of the land use in the Township. Will do. Discussion was held on the information contained in Mr. Trout's Plan. Various possible projects were discussed, with Mr. Gentzler requesting that something be done about the stream area on Riverview. That seems like a major project, as the creek "runs swift" there, making it more difficult to work. Other projects for consideration: Creek Bottom Road, Saginaw. Orchard Lot 1 basin retrofit, Saginaw, and "no-till" will remain on the list.

Motion by Supervisor Rudisill, second by Vice Chairman Naylor, to authorize Mr. Trout to finalize the PRP Plan, to include an updated current map, to show the three projects as discussed (Orchard Park Lot 1 basin retrofit, Saginaw, no-till) plus add the potential project of any additional BMPs as constructed, AND to advertise the plan and the public meeting as required. All members voted aye; motion carried.

Way to go, Mr. Trout, for keeping it simple and keeping the costs of the report down as much as possible. Most appreciated!

It was noted that with some new planting proposals, the higher growth that is not to be cut down regularly might be in conflict with the Township's mowing ordinance. Mr. Trout and Mrs. Masemer will discuss.

Secretary/Treasurer/Manager's report – Dave Gentzler

Sewer Authority – Minutes are on file for review. Mr. Klinedinst reported that the Authority received permission to order the equipment for the project; the equipment will be held until the general permit is received. Soon...

Supervisor Rudisill asked for clarification on the credit card payment system. Mr. Klinedinst answered. Accepting credit card payments has cut down on delinquent accounts. Any requests for leniency are presented to the Sewer Authority meeting. It was noted that they are looking into online billing.

Recreation Board – Minutes are on file for review

Public Works Director – Mr. Gentzler reported that he is obtaining prices for repairs/replacement of the boom mower transmission. Stay tuned. Also, sidewalk projects are progressing nicely. In addition, Mr. Gentzler would like to get quotes for a permanently installed backup generator for the Township building.

Motion by Vice Chairman Naylor, second by Chairman Gross, to authorize Mr. Gentzler to obtain quotes for a permanent back-up generator for the Township Building. All members voted aye; motion carried.

Mr. Gentzler reported that the Express Care facility will be having its ribbon-cutting ceremony soon – the Board members are invited to attend. Mr. Gentzler will give the information.

August 21, 2017

Page 2 of 3

Zoning Officer – Who purchased the car wash/storage building? Unknown as yet. Vice Chairman Naylor suggested a weed violation for a house on Sherman Street. Mrs. Masemer has indeed spoken with the property owner, with mixed results. Should Mrs. Masemer take further action? She already sent a letter; she will follow up.

Payroll deductions – to be discussed in the Executive Session.

Crack sealer – **Motion by Chairman Gross, second by Vice Chairman Naylor, to accept the offer of \$5,000 from Manchester Township for the crack sealer. All members voted aye; motion carried.**

Land Development/Subdivision –

None at this time.

Supervisor's comments

Vice Chairman David L. Naylor – no comments

Supervisor Barry E. Rudisill – no comments

Chairman Steven H. Gross, Jr. – several Meeting House Road residents are concerned about possible speeding on their road when school starts. Chairman Gross will bring this up at the police board meeting.

Motion by Chairman Gross, second by Supervisor Rudisill, to pay the bills as presented. All members voted aye; motion carried.

Motion by Chairman Gross, second by Vice Chairman Naylor, to recess to Executive Session. All members voted aye; motion carried. The meeting *recessed* at 8:37 p.m.

The meeting reconvened at 9:10 p.m.

Motion by Vice Chairman Naylor to amend the PMRS Pension Plan to include voluntary employee contributions. Second by Supervisor Rudisill. All members voted aye; motion carried.

Motion by Chairman Gross, second by Vice Chairman Naylor, to adjourn. All members voted aye; motion carried. The meeting adjourned at 9:15 p.m.

Respectfully submitted,

Dave Gentzler
Secretary/Treasurer/Manager

Julie B. Maher,
Recording Secretary

GLB&A - Byron Trout

From: East Manchester Township <emantwp@comcast.net>
Sent: Monday, August 21, 2017 3:40 PM
To: GLB&A - Byron Trout
Subject: FW: PRP Plan

Here is the first email response received.

Deb McCurdy
Administrative Assistant
East Manchester Township
5080 N. Sherman Street
Mt. Wolf, PA 17347

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

From: William Carpenter [mailto:301437@verizon.net]
Sent: Monday, August 21, 2017 2:37 PM
To: emantwp@comcast.net
Subject: PRP Plan

This proposal appears to be a responsible plan in both application and financial accountability.

William Carpenter
Cold Springs Farm & Pet LLC

EAST MANCHESTER TOWNSHIP
Board of Supervisors
September 12, 2017

Present: Chairman Steven H. Gross, Jr., Vice-Chairman David L. Naylor, Supervisor Barry E. Rudisill, Attorney Andrew Miller, Dave Gentzler, Manager/Secretary/Treasurer, Engineer Byron Trout, Zoning Officer Kristie Masemer, Recording Secretary, and eight citizens.

Chairman Steven H. Gross, Jr. reconvened the PRP meeting at 7:00 p.m. It was noted that at 6:30 p.m., a meeting was convened for the purposes of discussing the stormwater pollution reduction plan, which Mr. Trout presented. There was brief discussion with questions and answers, then that meeting was recessed until the regular meeting began. The PRP discussion/presentation began again at 7 p.m. Mr. Trout noted that this PRP plan is an extension of the Chesapeake Bay Plan, which looks to reduce the baseload of sediment in the streams by 10%. Any questions or concerns will be added to the plan's presentation. Chairman Gross noted that the PRP plan was posted on the Township's website, and it garnered one positive comment and no negative comments. Mr. Trout confirmed that the positive comment has indeed been added to the report. During Mr. Trout's presentation, he noted that the urbanized area is of the most concern to DEP. Codorus, Susquehanna, Musser, and Hartman Run are the streams/waterways that this plan addresses. Several maps are included with the Plan, which Mr. Trout explained. Chairman Gross asked if there will be credit given for future development? Yes, but only for any extra measures that the developer might take at the time of development. Chairman Gross voiced incredulity regarding the disparity in the cost of the assessment of Codorus Township in the County plan as compared to East Manchester's assessment cost. Codorus Township is assessed at \$7,609, or \$1,522 per year; EMT is assessed at \$85K per year, and the two Townships share two streams. Somehow, that doesn't seem fair. So noted.

Mr. Trout reported on the improvements that the Township has made over the last several years, and the resulting reduction in the sediment amount. The Township must show projects in place to reduce the sediment by 106K pounds. Three projects are planned: stream restoration in Saginaw reduces by 18K pounds; no-till program offers a reduction of 86K pounds; basin retrofits should reduce by 10K pounds. Chairman Gross suggested that no till incentive be paid to the landowners, not the farming contractors. Mr. Trout noted that there are several opportunities for applying for and receiving grant funding for these projects. He also noted that after these projects are complete, it is the Township's responsibility to see that these areas are properly maintained. The July 11, 2017, meeting minutes should be included in the presentation, highlighting the comments by the DEP representative that the Agency will be flexible, and that DEP wants the Township to be creative in its solutions. Mr. Trout noted that this PRP Plan is ready for presentation to DEP.

From the audience, Bob Nace noted that he was impressed with Mr. Trout's presentation and preparation of the plan, and he supports the plan as presented. Mr. Gentzler added that Mr. Trout's work should be a cost-effective plan and his proposals for sediment reduction should indeed be effective. There were no other questions or comments, positive or negative.

Chairman Gross reported that Mr. Trout's plan cost the Township somewhere in the area of \$10,000.00. At 7:28 p.m., the PRP hearing was closed.

At 7:28 p.m., Chairman Gross called the regular meeting to order.
The Pledge of Allegiance was given to the Flag of the United States of America.

Chairman Gross disclosed that since the meeting of August 8, 2017, the Board neither met nor conducted any business.

From the minutes of the meeting of August 8, 2017, there were two corrections: Attorney Miller was actually not present at that meeting (first paragraph correction); and correct the spelling of "Halloween" in the parade request. **Motion by Chairman Gross, second by Supervisor Rudisill, to approve the corrected minutes of the meeting of August 8, 2017. All members voted aye; motion carried.**

Public Comments

Nothing at this time.

Emergency Services Report

Fire Chief's Report – Chairman Gross noted that he had some pre-meeting questions for Mt. Wolf's Fire Chief which were answered.

Supervisor Rudisill noted that the ambulance club is making progress in the collections. Good work.

Nixle Renewal – **Motion by Chairman Gross, second by Vice Chairman Naylor, to approve the Nixle renewal, provided Manchester and Mt. Wolf and Conewago Township pay their share, of the cost as calculated and as in the past. All members voted aye; motion carried.**

Bud Staub added that the Township's emergency agency is hoping that the Township's retention ponds will handle any rainfall from Hurricane Irma. The County will treat any standing water for the Zika virus.

Special Requests

Tax Exonerations – **Motion by Vice Chairman Naylor, second by Supervisor Rudisill, to approve the two requests for tax exoneration. All members voted aye; motion carried.**

Wellspan – Young Lungs at Play – "No Smoking" signs to be placed in the park. Wellspan is requesting that the Township adopt a policy, ordinance, or resolution prohibiting smoking in the public parks. The Board is not in favor of adopting anything of the sort, but if Wellspan wants to post free signs, go for it.

Heritage Rail Trail – request for budget funds.

Correspondence

Stormwater BMP Tour on Friday, September 29, 10-2. Mr. Trout will attend the event.

Hellam Township Comprehensive Plan Update – that Township is rezoning some land from residential to RAC.

Solicitor's report – Attorney Andrew Miller

- Agreement of Sale for Center Street Property (Leppo) – this property is now deeded to the Township and the reverse subdivision is underway.
- Canal Road traffic improvements -- Mr. Miller and Mr. Gentzler met with Mr. Seitz on these upcoming improvements. It was noted that most of the Township's industrial land has been developed already. Nothing official yet.
- Chairman Gross asked if there's an official lawsuit from the accident about a year ago (in which a man was hit). Will do.
- Private driveway on Conewago Creek Road – isn't that lot in the flood plain? The applicant will need to meet all requirements of the flood plain ordinance. No actual building permit requested

September 13, 2017

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yet.

Engineer's report – Byron Trout

Inspections

Plan reviews

Correspondence

MS4 and Chesapeake Bay Plan

Motion by Chairman Gross, second by Supervisor Rudisill, to authorize Mr. Trout to submit to DEP the Chesapeake Bay PRP and NOI application. All members voted aye; motion carried.

Secretary/Treasurer/Manager's report – Dave Gentzler

Northeastern York County Sewer Authority – Joel Klinedinst reported that timbering on the farm has begun, so there's a little income from that. Plus, there's a billboard on that property (\$5K per year income), but the access to that billboard has been blocked. Mr. Klinedinst requested that while the company is removing timber, they should make a suitable access to the billboard, to preserve that income, small though it may be. All buildings are now under motion-activated video surveillance. The Authority approved the purchase of a dump trailer.

Recreation Board – Minutes are available.

Public Works Director – Mr. Gentzler noted that the micro-surfacing has been completed. Still some oil and chipping to do on a few roads. Mr. Gentzler has obtained two quotes for generators for both buildings; cost is in the neighborhood of \$50K. Mr. Gentzler will request more quotes. The mower needs some repair; it's a work in progress.

Jack hammer quote – quotes received. **Motion by Vice Chairman Naylor, second by Supervisor Rudisill, to authorize the purchase of the jack hammer at a cost NTE \$1600. All members voted aye; motion carried.**

Zoning Officer – No Planning Commission meeting in September. Starbucks has a project for two silos but it doesn't require a land development plan. No information on the carwash lot.

Pension Plan MMO – information was presented to the Board of Supervisors.
2017 County Conventions

Land Development/Subdivision –

Nothing at this time.

Supervisor's comments

Vice Chairman David L. Naylor – No questions or comments.

Supervisor Barry E. Rudisill – no questions or comments.

Chairman Steven H. Gross, Jr. – sidewalks on George Street -- the "precedent" must continue that the sidewalks must be installed. Mr. Gentzler feels that two businesses are not going to install the sidewalks in front of their businesses. Should the Township install the sidewalks and bill the owners?

It should be done because it's a safety issue. How about the residential properties? Not yet. They're starting with the commercial properties.

A budget workshop meeting was set for October 25, 7 p.m.

Motion by Chairman Gross, second by Vice Chairman Naylor, to pay the bills as presented. All members voted aye; motion carried.

September 13, 2017

Page 3 of 4

Motion by Chairman Gross, second by Vice Chairman Naylor, to adjourn. All members voted aye; motion carried. The meeting adjourned at 8:27 p.m.

Respectfully submitted,

Dave Gentzler
Secretary/Treasurer/Manager

Julie B. Maher,
Recording Secretary

EAST MANCHESTER TOWNSHIP, YORK COUNTY, PA
ADVERTISED PRP MEETING
September 12, 2017
6:30 P.M.

1. WELCOME/INTRODUCTIONS

2. DESCRIPTION OF MS4 PROGRAM

A. Key Terms:

- i. MS4 – Municipal Separate Storm Sewer System**
- ii. MCM – Minimum Control Measure**
- iii. BMP – Best Management Practice**
- iv. PEOP – Public Education and Outreach Program**
- v. PIPP – Public Involvement and Participation Program**
- vi. IDD&E – Illicit Discharge Detection and Elimination**
- vii. Construction Site Storm Water Runoff Control**
- viii. PCSM - Post Construction Stormwater Management**
- ix. Pollution Prevention / Good Housekeeping**
- x. O&M – Operation and Maintenance**
- xi. PRP – Pollutant Reduction Plan**

B. Current MS4 Annual Report

3. PRP Plan

- A. Introduction**
- B. Public Participation**
- C. Mapping**
- D. Existing Township Loading**
- E. Proposed Projects**
- F. Project Funding**
- G. Operation & Maintenance**

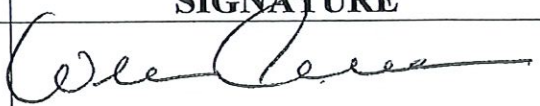

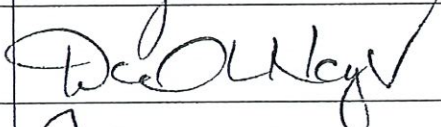
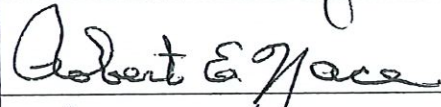
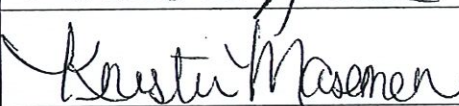
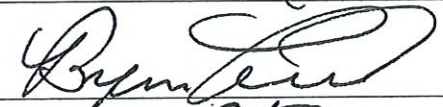
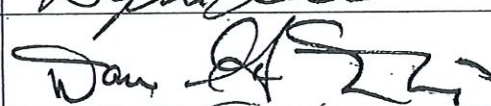
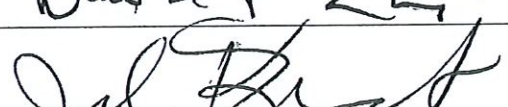

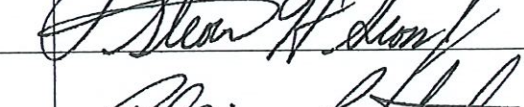
4. Questions

5. Adjournment

**EAST MANCHESTER TOWNSHIP, YORK COUNTY, PA
ADVERTISED PRP MEETING**

**September 12, 2017
6:30 P.M.**

ATTENDANCE

NAME	TITLE	SIGNATURE
WILLIAM CARPENTER	RESIDENT	
BARRY RUDISILL	TWP. SUPERVISOR	
DAVID NAYLOR	TWP SUPV	
BOB NACE	RESIDENT	
Kristie Masemer	TWP Zoning	
Byron Trout	Engineer	
Dave Gentzler	manager	
Joel Klingensmith	Resident	
Steven H Gross JR	Twp supervisor	
Blaine Bentley	Resident	

EAST MANCHESTER TOWNSHIP
Board of Supervisors
July 11, 2017

Present: Chairman Steven H. Gross, Jr., Vice-Chairman David L. Naylor, Supervisor Barry E. Rudisill, Attorney Douglas Myers, Dave Gentzler, Manager/Secretary/Treasurer, Engineer Byron Trout, Zoning Officer Kristie Masemer, Recording Secretary, and 14 citizens.

At a regular meeting held at the township building, Chairman Steven H. Gross, Jr. called the meeting to order at 7:00 p.m.

The Pledge of Allegiance was given to the Flag of the United States of America.

Chairman Gross disclosed that since the meeting on June 13, 2017, the Board neither met nor conducted any business.

Motion by Supervisor Rudisill, second by Vice Chairman Naylor, to approve the minutes of the meeting of June 13, 2017. All members voted aye; motion carried.

Public Comments

None at this time.

Emergency Services Report

Fire Chief's Report – the report is on file. Mr. Gentzler noted that there was a concrete spill in the Township, and the fire department hosed off the residue. Company to be billed.

Special Request

Nothing at this time.

Correspondence

Giant/Liquor license – the Township doesn't need to take any action unless it is opposed to Giant's having a liquor license. If it's in opposition, the Township should send a letter to the PLCB. No opposition to be voiced.

Commuter Services of PA – information only

Solicitor's report – Attorney Douglas Myers

- Municipal Waste Contract – all is progressing well. New recycling carts are being delivered.
- Leppo property – Mr. Myers requested a brief Executive Session following this meeting to discuss this item and a tax assessment appeal matter
- Police Board – nothing discussed
- Agreement of Sale – will be discussed in executive session
- Chesapeake Bay Pollutant Reduction Plan Intergovernmental Agreement – The Board doesn't want to participate in this agreement because of the high cost involved. It's a good idea, they just don't see it as affordable. Lee Murphy, PA DEP, was present to discuss the MS-4 plan and give some information. He explained the reasons for the Pollutant Reduction Plan, noting stream pollution and erosion. The idea is to reduce the big rush of water that heads to the streams following a storm. DEP is flexible on how this is accomplished. He strongly urged the Township to submit its plan by the mid-September due date. Supervisor Rudisill noted that to comply with

September 12, 2017

Page 1 of 4

DEP's suggestion for this plan/agreement, the Board would most certainly need to raise taxes, which is not an option for this Township. Chairman Gross reminded Mr. Murphy that the Township has complied with DEP's requirements and regulations for the past many years. He also said that \$85K is too much to ask this Township to pay; how about \$10K? That's about the limit of what is affordable. Where does it end?

Also from the audience, Pam Shellenberger, YCPC, noted that Mr. Trout did supply some figures to the County relating to the sediment reduction and load that the Township has to deal with.

Mr. Gentzler asked if some municipalities are exempt from this requirement. Mr. Murphy noted that some small municipalities have requested waivers from the MS-4 plan requirement. He explained how the agency arrived at the percentages.

Vice Chairman Naylor asked if it might be better for each municipality to work separately rather than combine into an overall project. Usually not, as costs are usually lower spread across more entities. So far, EMT is the only MS-4 municipality that has indicated that it is opting out of this agreement. Supervisor Rudisill confirmed that the Township can apply and receive grant funding to reduce the sediment loads in the two troubled streams in the Township. Mr. Murphy urged everyone to explore creative solutions to the problems.

Mr. Trout commented that 20% of the cost already includes estimated grant funds. He also noted that some old-style fixes to solutions are no longer viable options.

Bottom line – the Township needs to let the YCPC know if the Township will be signing the agreement and advertising and adopting an ordinance. If the Township doesn't participate, it needs to do its own plan, due mid-September. Mr. Trout has said that he cannot possibly formulate a plan within that time frame, so it'll be definitely be late.

Engineer's report – Byron Trout

Inspections

Plan reviews

Correspondence

MS4 and Chesapeake Bay Plan

Motion by Supervisor Rudisill, second by Vice Chairman Naylor, to approve the final surety reduction for Green Ridge stormwater basin in the amount of \$5,000, leaving a balance of \$0, per the Engineer's recommendation. All members voted aye; motion carried.

Mr. Trout voiced his concern that retro-fitting basins, etc., in this Township might be difficult because of the soils and high-water tables. Projects might well be more involved than originally thought.

Secretary/Treasurer/Manager's report – Dave Gentzler

Sewer Authority – Minutes

Joel Klinedinst reported that the Authority will be doing some negotiating for some farm acreage to be transferred to another agency. Reports as progress warrants. Also, finances are looking better.

NEYCSA 2016 Audit – no discussion

Recreation Board – Minutes

Quotes for surveillance systems at the park – **Motion by Vice Chairman Naylor, second by Chairman Gross, to approve the installation of a surveillance system for the park, recommending to the Rec Board to select the system that equal to or better than the system that is in the Mt. Wolf park, provided Manchester Borough pays 50% of the cost, . All members voted aye; motion carried.**

Public Works Director –

Mr. Gentzler noted that the summer road improvements will start very soon. Also, Fourth Street in Saginaw has a hump in the street that should be addressed. The Board members will inspect it and give the go-ahead. Mr. Gentzler noted that there is sufficient money in the budget for this project.

Zoning Officer –

Planning Commission Minutes are on file

Mrs. Masemer reported that the new owner of the storage unit/car wash is a local person who wants to put a fast food establishment on that site. It's a work in progress.

Stormwater Coalition Final Cost Scenario

Land Development/Subdivision –

Tiger Trash, Land Development Plan

Jim Barnes of James Holley and Associates presented this plan involving 5 acres at 265 Steamboat Boulevard; Plan 170305, dated 5/26/17, latest revision dated 6/28/17. Tiger Trash wants to move its operations to EMT. They will construct a building to house a 7500 square-foot shop area and a 1500 square-foot office area. The area is served by public water and sewer. This is a roll-off operation involving construction debris; there is no residential trash collection. There are 15 employees--4 in the office, 2 in the shop, and the balance as drivers. The drivers arrive onsite, get their assignments, take the trucks out, return to the facility later in the day, and leave the trucks there overnight. The owner is JJ Two, Jim Craft. The owner will, upon approval of the plan, etc., sell the property to Tiger Trash.

Two waivers are requested for preliminary plan and encroachment of 10' for 4:1 slopes on the north side of the property. Mr. Trout recommends the second waiver for the slope encroachment.

Motion by Supervisor Rudisill, second by Chairman Gross, to approve the waivers for preliminary plan and encroachment of slope as presented. All members voted aye; motion carried.

Mr. Myers noted that the approval should be subject to the name change being effected and the developer's agreement and stormwater agreement being recorded. This plan needs to be approved and recorded before ownership will be transferred. The building permits should be held until the process is completed.

There are three outstanding items – Sewer Authority signatures, letter of credit, and E&S Plan approval (all are in the works).

Motion by Supervisor Rudisill, second by Chairman Gross, to approve the plan for JJ Two/Tiger Trash, subject to the satisfactory resolution of the following outstanding items: 6E, Sewer Authority signatures; 6F, E and S Plan approval; 6G, surety; the plan will be approved in Jim Craft's name; no permits will be issued until the deeds are transferred and documents (stormwater and developer's agreements) recorded.

Discussion – Vice Chairman Naylor is uncomfortable conditionally approving a plan with any open items. He feels that the "no open items" rule should stand. From the audience, a representative from Tiger Trash hoped that the Board members will conditionally approve this plan tonight so that the operation can get underway. Mr. Myers noted that even if the plan had been presented with the outstanding items accomplished, the messiness of the ownership transfer and agreement recording would still need to be addressed as such.

Vote: two members voted aye; Vice Chairman Naylor opposed. Motion carried.

East Manchester Township, Subdivision Plan – Byron Trout, Gordon Brown, presented this plan, Drawing L5695, dated 5/25/17, Revision 2 dated 7/6/17 – this is a Final Subdivision to combine three lots on the west side of the current Township property and combine a lot on the east side of Sherman Street

September 12, 2017

Page 3 of 4

with another property, the current maintenance facility. Outstanding issue is surveyor's signature/seal. Three lots to combine into one on west side, two lots into one on east side. One waiver is requested, preliminary plan.

Motion by Supervisor Rudisill, second by Chairman Gross, to approve the waiver for preliminary plan as presented. All members voted aye; motion carried.

Motion by Supervisor Rudisill, second by Chairman Gross, to approve the Subdivision Plan for East Manchester Township, contingent upon the completion of the surveyor's signature and placement of monuments on the Leppo lot. All members voted aye; motion carried.

Supervisor's comments

Vice Chairman David L. Naylor – question for Mt. Wolf fire company personnel – yes, they were involved with the recent water rescue. The child was not actually in the water. All's well that ends well.

Supervisor Barry E. Rudisill – four people asked him about the delivery of the new recycling totes. They're being delivered already.

Chairman Steven H. Gross, Jr. – will turn in the receipt for the Memorial Day flowers. Also, kudos to the people who maintain Gut Road – good job! He saw a lot of family activities going on, fishing and the like. He feels that this type of outdoor activity should be encouraged. This area might be an overlooked asset in the Township. Keep up the good work! Third, sidewalks are being installed by the Record Club and others in the area. Mr. Trout is on top of the situation.

Motion by Chairman Gross, second by Supervisor Rudisill, to pay the bills as presented. All members voted aye; motion carried.

Motion by Chairman Gross, second by Vice Chairman Naylor (?), to recess to Executive Session. All members voted aye; motion carried. The meeting recessed at 8:50 p.m.

The meeting reconvened at 9:30 p. m.

Chairman Gross moved to approved Resolution 2017-9, to purchase parcel 26000 MI-0049 for the price of \$14,000. Vice-Chairman Naylor second. All members voted aye. Motion carried.

Vice-Chairman Naylor moved to direct the Solicitor appeal the tax assessment at 1605 Bartlett Dr. Chairman Gross second. All members voted aye. Motion Carried.

Motion by Vice Chairman Naylor, second by Chairman Gross, to adjourn. All members voted aye; motion carried. The meeting adjourned at 9:42p.m.

Respectfully submitted,

Dave Gentzler
Secretary/Treasurer/Manager

Julie B. Maher,
Recording Secretary

Public participation is being requested by East Manchester Township in connection with the Chesapeake Bay Pollution Reduction Plan (2018 – 2023). Copies of the plan are available for public review and comment at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, PA 17347) and on the Township website (emanchestertwp.com) beginning February 14, 2024 through March 15, 2024. Public comments and responses will be accepted through March 15, 2024. A public meeting shall be held on April 9, 2024 at 7:00 PM at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, PA 17347) to address any comments or questions.

Kristie Masemer
Township Manager

Fw: 5879273 2/14 YDR Fw: 2024 PRP Advertisement

GLB&A - Byron Trout <btrout@glba-engineering.com>

Wed 2/7/2024 1:47 PM

To: GLB&A - Andrew Miller <amiller@glba-engineering.com>

📎 1 attachments (99 KB)

OrderConf.pdf;

Byron W. Trout, P.E.



Gordon L. Brown & Associates, Inc.

2238 South Queen Street

York, PA 17402-4631

P: 717.741.4621 Ext: 16

F: 717.741.1418

C: 717.577.7827

btrout@glba-engineering.com

www.glba-engineering.com

*Consulting Civil Engineers and Surveyors
Breaking New Ground Since 1952!*

From: Gannett Legals Public Notices 3 <ganlegpubnotices3@gannett.com>

Sent: Wednesday, February 7, 2024 11:48 AM

To: GLB&A - Byron Trout <btrout@glba-engineering.com>

Subject: RE: 5879273 2/14 YDR Fw: 2024 PRP Advertisement

Hello [BRYON],

Please find your order confirmation and proof of ad attached.

Your ad is set to run in [YORK DAILY NEWS] on [2/14 AND 2/16]. The order cost is [\$215.00] which includes an affidavit, that will be mailed to you 7-10 business days after the last day of the ad printing. Please reply by 3:00 P.M. ET – WEDNESDAY 2/7 with any changes.

All orders are subject to a 3.99% service fee if paid with a credit card. As an incentive for customers, we provide a discount off the order cost equal to the 3.99% service fee if you pay with ACH. Pay by ACH and Save!

Final Order cost provided at time of payment and via a receipt.

Your notice is scheduled to run per your request and will publish unless you reply to this email requesting changes or to cancel.

In the future, be on the lookout for access to our online self-serve ad portal in your local publication to conveniently place future legal notices.

Thanks,
Joanne Harris
Public Notice Representative



Office: 866-301-5578

*NOTE: We are not legally trained, and it is your responsibility to make sure your AD meets the requirements of your State/Court which includes wording and publication times. Please verify all information is there and that it is correct. If your ad is not compliant with applicable law and needs to be re-published you will be responsible for all additional fees incurred.

From: GLB&A - Byron Trout <btrout@glba-engineering.com>
Sent: Wednesday, February 7, 2024 9:56 AM
To: YNC-Legals <YNC-Legals@mediaonepa.com>
Cc: Kristie (Manager@emanchestertwp.com) <Manager@emanchestertwp.com>
Subject: 5879273 2/14 YDR Fw: 2024 PRP Advertisement

Please advertise on February 14 and 16, 2024 and invoice East Manchester Township.

If you have any questions please let me know.

Byron W. Trout, P.E.



GLB&A Gordon L. Brown & Associates, Inc.

2238 South Queen Street

York, PA 17402-4631

P: 717.741.4621 Ext: 16

F: 717.741.1418

C: 717.577.7827

btrout@glba-engineering.com

www.glba-engineering.com

*Consulting Civil Engineers and Surveyors
Breaking New Ground Since 1952!*

From: GLB&A - Andrew Miller <amiller@glba-engineering.com>
Sent: Wednesday, February 7, 2024 9:43 AM

To: GLB&A - Byron Trout <btrout@glba-engineering.com>

Subject: 2024 PRP Advertisement

CONFIRMATION

EAST MANCHESTER TWP
5080 N SHERMAN STREET EXT
MOUNT WOLF PA 17347--967

PO#:

<u>Account</u>	<u>AD#</u>	<u>Ordered By</u>	<u>Tax Amount</u>	<u>Total Amount</u>	<u>Payment Method</u>	<u>Payment Amount</u>	<u>Amount Due</u>
1463592	0005879273	BYRON TROUT	\$0.00	\$215.00	Invoice	\$0.00	\$215.00

Ad Order Notes:

Sales Rep: jharris2

Order Taker: jharris2

Order Created 02/07/2024

Product	Placement	Class	# Ins	Start Date	End Date
YOR-Daily Record&Dispatch	YOR-Legals	Public Notices	2	02/14/2024	02/16/2024
YOR-ydr.com	YORW-Legals	Public Notices	2	02/14/2024	02/16/2024

As an incentive for customers, we provide a discount off the total order cost equal to the 3.99% service fee if you pay with Cash/Check/ACH. Pay by Cash/Check/ACH and Save!

Total Cash Order Confirmation Amount Due	\$215.00
Service Fee 3.99%	\$8.58
Cash/Check/ACH Discount	-\$8.58
Payment Amount by Cash/Check/ACH	\$215.00
Payment Amount by Credit Card	\$223.58

Text of Ad: 02/07/2024

Public participation is being requested by East Manchester Township in connection with the Chesapeake Bay Pollution Reduction Plan (2018 - 2023). Copies of the plan are available for public review and comment at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, PA 17347) and on the Township website (emanchestertwp.com) beginning February 14, 2024 through March 15, 2024. Public comments and responses will be accepted through March 15, 2024. A public meeting shall be held on April 9, 2024 at 7:00 PM at the East Manchester Township Building (5080 N. Sherman St. Ext, Mt. Wolf, PA 17347) to address any comments or questions.

Kristie Masemer
Township Manager

A record of the incorporated changes as a result of public comment

August 9, 2017

Changes on Public Comments

August 8, 2017

1. No change was made to the map due to file size.
2. Riverview stream rehab was not included in the report because of the cost/benefit ratio.
3. Report revised to include the Saginaw project, no-till project, and Orchard Lot 1 basin retro-fit.

August 21, 2017

1. No plan change required from the positive response.

September 17, 2017

1. PRP improvements are required as part of the subdivision and land development process. Additional credits are only taken if the developer exceeds the minimum requirements.
2. No changes were directly made to the PRP plan but once the incentive program is put in place, legal documentation contracts regarding the implementation of the program would clearly define how the program would be financially distributed.
3. The minutes are included in the report, specifically referencing DEP's comment that "the agency will be flexible and that DEP wants the township to be creative in its solutions."
4. Details are identified in Appendix IV. Calculations are based on a 20% reduction of sediment based upon information USDA.

APPENDIX II

Municipal MS4 Requirements

Pollutants of Concern

Municipality	MS4 Permit Required	Impaired Downstream Waters	Requirements
East Manchester Township	Yes	Chesapeake Bay Nutrients/Sediment, Codorus Creek, Musser Run	Appendix D- Silta- tion/Nutrients, Appendix E- Excessive Algal Growth, Suspended Solids

APPENDIX III

Existing Pollutants Loading Calculations

Baseline Reduction for Installed BMPs (Summary Table)

Municipality	BMP Type	Drainage Type (acres)		Total Area		Pollutant Load Reduction TSS (lbs/year)
		Impervious	Pervious	Acres	Ln Ft	
East Manchester Township	Infiltration Beds	4.485	2.38			7,376
	Wet Pond	21.56	9.69			22,162
	Vegetative Open Channel	2.27	2.18			2,072
	Bio Retention	1.53	0.89			2,399
	Dry Extended Detention Basin	168.02	141.028			181,455
	No Till Urban Area			158		27,510
	No Till Planning Area			142		26,317
	Tree Planting			1,500 trees		661
Total:		197.865	156.168			215,464

Pollutant load reductions for the (Infiltration Bed, Wet Pond, Vegetative Open Space, Bio retention and Dry Extended Detention Basins) were calculated using the DEP simplified method. BMP effectiveness values were derived from 3800-PM-BCW0100m. Information on the BMP's are in Appendix IV. No Till load reductions were calculated using information provided by the York County Conservation District Ag Outreach Program, discussions with active farms and site investigation. No till calculations are based upon a 79% effectiveness value and use a conservative value used in the base load calculations of 220.4 lbs/acre and 234.6 lbs/acre. The information provided indicated that 50% of the cultivated crop activity is completed by No Till and that No Till farming reduces sediment by as much as 75%. As reported by the York County Conservation District Ag Outreach Program, York County is approximately 50% no till but they do not have accurate records to break the county down into each municipality. It is our determination that East Manchester Township is closer to 90% no till but for confirming we are reporting that 300 acres of our 1389.24 acres (21.5%) was changed over since 2012. Tree planting (1,500) was confirmed at the Northeastern middle school. An additional 3675 trees were planted in the township but were not included since they were not in the planning area nor were they close enough to an existing impaired stream.

BMP/Description (DEP Manual)	Location			Installation		O&M					Drainage Area	
	Watershed	Latitude	Longitude	Date	NPDES Permit #	Activities	Frequency	Last Inspection Date	BMP Functioning	Rresponsible person/agency for Inspections	Impervious	Pervious
Starbucks Infiltration bed	Little Conewago Creek	40.050833	76.739167	9/17/2014	PAG02006712056	Twp. Insp.	Yearly	Jun-23	Yes	Starbucks Co.	0.79	0.12
Advanced Auto - Subsurface Infiltration Bed	Hartman Run	40.044167	76.723611	11/13/2014	No	Twp. Insp.	Yearly	Jun-23	Yes	Advanced Auto	0.72	0.12
East Manchest - Subsurface Infiltration Bed	Hartman Run	40.058611	76.696944	2012	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Twonship	0.245	0
Orchard Business Park Lot 1 - Wet Pond	Little Conewago Creek	40.047222	76.735833	2012	PAG02006712031	Twp. Insp.	Yearly	Jun-23	Yes	Kinsley Prop.	21.56	9.69
Orchard Business Park Lot 1 - Vegetated Swale	Little Conewago Creek	40.05	76.736667	2012	PAG02006712032	Twp. Insp.	Yearly	Jun-23	Yes	Kinsley Prop.	2.27	2.18
Orchard Business Park Lot 1 - Infiltration Basin	Little Conewago Creek	40.048611	76.737222	2012	PAG02006712033	Twp. Insp.	Yearly	Jun-23	Yes	Kinsley Prop.	0.18	0.92
Wellspan - Subsurface Infiltration Bed	Hartman Run	40.048611	76.725556	2011	PAG02006710036	Twp. Insp.	Yearly	Jun-23	Yes	Wellspan	1.6	0.3
Wellspan - Subsurface Infiltration Bed	Hartman Run	40.048889	76.724722	2011	PAG02006710037	Twp. Insp.	Yearly	Jun-23	Yes	Wellspan	0.51	0.03
Royal Manchester - Infiltration Trench	Hartman Run	40.080833	76.0675	2010	PAS10Y070R	Twp. Insp.	Yearly	Jun-23	Yes	Royal Manchester	0.44	0.89
CVS - Bio Retention	Codorus Creek	40.040556	76.732889	2010	PAG200670909020	Twp. Insp.	Yearly	Jun-23	Yes	CVS	1.53	0.89
Orchard Business Park 10/11 -Dry Extended Detention	Little Conewago Creek	40.053889	76.746667	2010	PAG2006108040	Twp. Insp.	Yearly	Jun-23	Yes	Ollies Inc	15.55	6.99
Orchard Business Park 10/11 -Dry Extended Detention	Little Conewago Creek	40.054444	76.748056	2010	PAG2006108041	Twp. Insp.	Yearly	Jun-23	Yes	Ollies Inc	9.32	3.44
Orchard Business Park 10/11 -Dry Extended Detention	Little Conewago Creek	40.057778	76.747222	2010	PAG2006108042	Twp. Insp.	Yearly	Jun-23	Yes	Ollies Inc	7.97	3.41
Quigleys - Dry Extended Detention	Hartman Run	40.0483	76.720229	2016	PAG02006716037	Twp. Insp.	Yearly	Jun-23	Yes	Quigley Motor Co Inc	5.66	5.49
75 Steamboat -Basin 1 - Dry Extended Dtention	Codorus Creek	40.032686	76.722517	2016	PAG02006716009	Twp. Insp.	Yearly	Jun-23	Yes	Salon Centric	3.43	0.52
75 Steamboat -Baisn 2 - Dry Extended Detention	Codorus Creek	40.033956	76.723567	2016	PAG02006716009	Twp. Insp.	Yearly	Jun-23	Yes	Salon Centric	3.96	0.67
Trade Center 83 -Basin 1 Dry Extended Detention Large BMP	Little Conewago Creek	40.056525	76.740735	2019	PAG02006713045	Twp. Insp.	Yearly	Jun-23	Yes	Starbucks Co.	24.94	5.71

Trade Center 83 - Bio Rention 3 Dry Extended Small BMP	Little Conewago Creek	40.056647	76.737542	2019	PAG02006713045	Twp. Insp.	Yearly	Jun-23	Yes	Starbucks Co.	2.69	1.27
Trade Center 83 - Bio Rention 3 Dry Extended Detention Basin A	Little Conewago Creek	40.055744	76.732334	2019	PAG02006713045	Twp. Insp.	Yearly	Jun-23	Yes	Starbucks Co.	22.4	5.61
DHL A - Dry Extended Detention	Little Conewago Creek	40.065294	76.735544	2020	PAC670165	Twp. Insp.	Yearly	Jun-23	Yes	Gear Zions Road PropCO, LLC	25.072	7.288
DHL B - Dry Extended Detention	Little Conewago Creek	40.064366	73.736196	2020	PAC670165	Twp. Insp.	Yearly	Jun-23	Yes	Gear Zions Road PropCO, LLC	13.5	5.98
DHL C - Dry Extended Detention	Little Conewago Creek	40.061671	76.739565	2020	PAC670165	Twp. Insp.	Yearly	Jun-23	Yes	Gear Zions Road PropCO, LLC	3.78	12.76
DHL D - Dry Extended Detention	Little Conewago Creek	40.060063	76.742279	2020	PAC670165	Twp. Insp.	Yearly	Jun-23	Yes	Gear Zions Road PropCO, LLC	1	6.5
Penn Waste - Infiltration Bed	Codorus Creek	40.073056	77.209444	2019	PAC670123	Twp. Insp.	Yearly	Jun-23	Yes	Penn Waste Holdings LLC	2	1
Orchard Lot 6 - Dry Extended Detention	Little Conewago Creek	40.086944	77.240278	2020	PAC670074	Twp. Insp.	Yearly	Jun-23	Yes	Kinsley Equites II Limited Partnership	3.23	6.45
Rolling Meadows 1 - Dry Extended Detention	Conewago Creek	40.075556	76.718056	2017	PAG2006704087	Twp. Insp.	Yearly	Jun-23	Yes	Rolling Meadows at Rentzel Farm HOA	8.01	31.96
Rolling Meadows 2 - Dry Extended Detention	Conewago Creek	40.075556	76.718056	2017	PAG2006704087	Twp. Insp.	Yearly	Jun-23	Yes	Rolling Meadows at Rentzel Farm HOA	15.59	35.98
Northeastern Middle School Tree Planting	Hartman Run	40.067720	76.708900	2022	No	Twp. Insp.	Yearly	Jul-23	Yes	Northeastern Middle School and Alliance for the Chesapeake Bay	1,500 Trees Planted	

APPENDIX IV

Proposed BMP Pollutant Load Reduction Sample calculations

Simplified Method Calculations

BMP Type	Length (ft)	BMP Effectiveness (lbs/ft/yr)	Pollutant Load Reduction (lbs/yr)
Stream Restoration	100	44.88	4,488

Basin Retro-Fits Calculations:

Total Drainage Area = 48.8 Acres

Impervious Area = 39.4

Existing Basin Bottom Area = 0.25 Acre (Volume based upon 1 feet of sump/topsoil)

Retro-Fit Equation:

Runoff volume tested at site = $(0.25 \text{ Ac-ft} * 12) / 39.4 \text{ Acres} = 0.076 \text{ Inches}$

Look at Sediment Removal Curve:

0.076 inches = 8% Reduction

TSS to the Basin:

$39.4 \text{ Ac} * 1614.15 + 220.4 * 9.4 = 65,669.27 \text{ lbs/yr}$

Proposed Retro-Fit:

Assume 18 inches sump and 24 inches of amended soil with a void ratio of 10% = 3.5 Feet

$3.50 \text{ feet} * 0.25 \text{ Ac} = 0.875$

Retro-Fit Equation

$= (0.875 * 12) / 39.4 \text{ Ac} = 0.27 \text{ inches}$

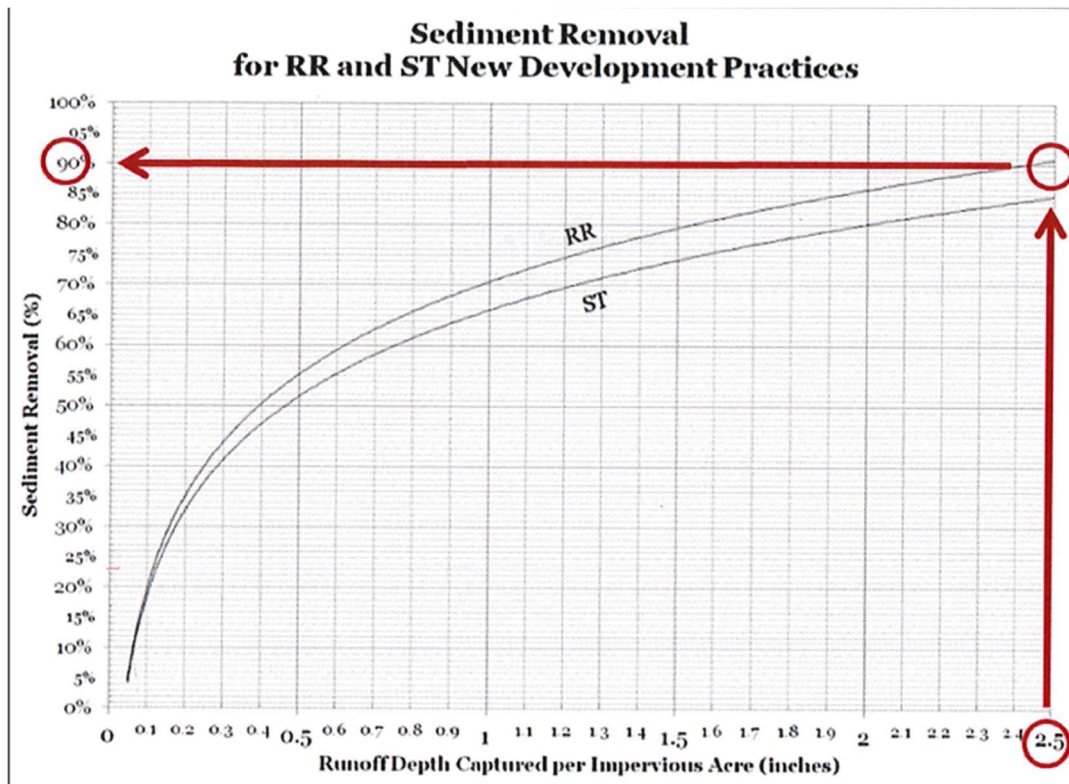
Sediment Removal Curve

0.27 inches = 42%

Net Reduction:

$42\% - 8\% = 34\%$

$65,669.27 * 0.34 = 22,327 \text{ lbs/yr} * 60\% \text{ effective} = 13,396 \text{ lbs/yr}$



APPENDIX V

Residential BMPs Installed Since 2012

BMP INVENTORY
EAST MANCHESTER TOWNSHIP, YORK COUNTY, PA (3-9-18)

2012 BMPS:

745 Market Street
125 Old School Lane

2013 BMPS:

55 Lincoln Place
399 Riviera Drive
401 Riviera Drive
405 Riviera Drive

2014 BMPS:

30 Bonita Drive
395 Cog Hill Way
70 Coriander Lane
87 Coriander Lane
280 Lynne Drive
165 Rentzel Drive
315 Riviera Drive
385 Riviera Drive
100 Spring Meadows Drive
120 Spring Meadows Drive

130 Spring Meadows Drive
150 Spring Meadows Drive
154 Spring Meadows Drive
164 Spring Meadows Drive
174 Spring Meadows Drive
190 Spring Meadows Drive
205 Spring Meadows Drive
244 Spring Meadows Drive

2015 BMPS:

360 Cog Hill Way
5 Coriander Lane
40 Coriander Lane
50 Coriander Lane
55 Coriander Lane
60 Coriander Lane
83 Coriander Lane
93 Coriander Lane
95 Coriander Lane
340 Debbie Lane
150 Don Rene Drive
155 Fig Tree Way
804 Locust Street
110 Lynne Drive

120 Lynne Drive
5315 North George Street Extended
470 Pebble Beach Drive
355 Riviera Drive
365 Riviera Drive
375 Riviera Drive
391 Riviera Drive
110 Spring Meadows Drive
135 Spring Meadows Drive
140 Spring Meadows Drive
144 Spring Meadows Drive
155 Spring Meadows Drive
170 Spring Meadows Drive
200 Spring Meadows Drive

210 Spring Meadows Drive
235 Spring Meadows Drive
240 Spring Meadows Drive

255 Spring Meadows Drive
230 Spring Meadows Drive
10 Sweet Gum Court

2016 BMPS:

755 Apple Tree Lane
165 Austin Drive
340 Cog Hill Way
20 Coriander Lane
25 Coriander Lane
35 Coriander Lane
45 Coriander Lane
50 Coriander Lane
97 Coriander Lane
365 Debbie Lane
410 Forge Hill Road
460 Hollyhock Drive
670 Locust Street
250 Lynne Drive

35 Marino Drive
185 Payne Drive
181 poplar Lane
65 Rentzel Drive
125 Rentzel Drive
135 Rentzel Drive
393 Riviera Drive
171 Spring Meadows Drive
175 Spring Meadows Drive
181 Spring Meadows Drive
201 Spring Meadows Drive
220 Spring Meadows Drive
280 Spring Meadows Drive
294 Spring Meadows Drive

2017 BMPS:

200 Abbey Drive
220 Abbey Drive
415 Abbey Drive
10 Auction Drive
30 Auction Drive
70 Auction Drive
170 Austin Drive
20 Beechwood Drive
30 Coriander Lane
65 Coriander Lane
25 Fig Tree Way
5125 North George Street
360 Greenfield Street
50 Hickory Drive
5 Hollyhock Drive
420 Hollyhock Drive

430 Hollyhock Drive
450 Hollyhock Drive
185 Lynne Drive
80 Old Hickory Road
25 Rentzel Drive
145 Rentzel Drive
395 Rentzel Drive
395 Riviera Drive
395 Silver Maple Court
160 Spring Meadows Drive
170 Spring Meadows Drive
245 Spring Meadows Drive
260 Spring Meadows Drive
270 Spring Meadows Drive
90 Village Road

2018 BMPS:

5290 Board Road
430 Hillview Road
405 Hollyhock Drive
95 Old Hickory Drive
270 Payne Drive
155 Rentzel Drive
250 Riviera Drive
365 Torrey Pines Drive
375 Torrey Pines Drive
65 Village Road
85 Village Road

65 Don Rene Road
85 Village Road
440 Hollyhock Drive
25 Hollyhock Drive
335 Torrey Pines Drive
480 Pebble Beach Drive
5255 Board Road
215 Lynne Drive
440 Hollyhock Drive
45 Village Drive
305 Debbie Lane

2019 BMPS:

85 Hollyhock Drive
280 Riviera Street
400 Hollyhock Drive
425 Hollyhock Drive
445 Hollyhock Drive
455 Hollyhock Drive
75 Village Road
410 Hollyhock Drive
80 Village Drive
135 Hollyhock Drive
145 Hollyhock Drive
65 Don Rene Drive
145 Hollyhock Drive
365 Torrey Pines Drive
415 Hollyhock Drive
140 Hollyhock Drive
170 Hollyhock Drive
120 Hollyhock Drive
20 Blaine Drive

10 Village Road
375 Torrey Pines Drive
365 Torrey Pines Drive
85 Village Road
65 Village Road
405 Hollyhock Drive
430 Hillview Drive
250 Riviera Drive
165 Hollyhock Drive
435 Hollyhock Drive
170 Payne Drive
180 Abbey Drive
220 Lynne Drive
125 Payne Drive
130 Hollyhock Drive
175 Hollyhock Drive
30 Blaine Drive
157 Wagon Way

2020 BMPS:

160 Hollyhock Drive
130 Village Drive
155 Hollyhock Drive
370 Hollyhock Drive
380 Hollyhock Drive
390 Hollyhock Drive
123 Village Road
360 Hollyhock Drive
40 Village Drive
4210 North George Street
430 North Burberry Lane
95 Blaine Drive
90 Blaine Drive
120 Blaine Drive
216 Hollyhock Drive
25 Blaine Drive

115 Village Road
5275 North George Street
40 Blaine Drive
120 Village Road
125 Village Road
25 Blaine Drive
70 Wagon Way
60 Blaine Drive
113 Village Drive
260 Poplar Lane
75 Blaine Drive
110 Village Drive
100 Blaine drive
110 Steffie Drive
65 Don Rene
317 Hollyhock Drive

2021 BMPS:

130 Village Road
235 Hollyhock Drive
140 Village Drive
210 Hollyhock Drive
380 Pebble Beach Drive
136 Village Road
330 Hollyhock Drive
226 Hollyhock Drive
200 Hollyhock Drive
309 Riviera Street
65 Blaine Drive
106 Village Road
191 Poplar Lane
65 Horseshoe Bend Road
240 Hollyhock Drive
70 Blaine Drive
307 Hollyhock Drive
325 Hollyhock Drive
135 Village Road
326 Hollyhock Drive
13 Bryn Way
95 Dogwood Court
380 Pebble Beach Road
250 Abbey Drive
260 Hollyhock Drive

255 Steffie Drive
360 Cog Hill Way
170 Village Drive
315 Hollyhock Drive
30 Wagon Way
336 Hollyhock Drive
327 Hollyhock Drive
335 Hollyhock Drive
206 Hollyhock Drive
145 Village Road
80 Wagon Way
337 Hollyhock Drive
81 Red Run Church Road
80 Old School Lane
110 Blaine Drive
10 Wagon Way
203 Hollyhock Drive
345 Hollyhock Drive
810 York Street
30 Ivy Drive
195 Rentzel Drive
236 Hollyhock Drive
125 Laurel Drive
145 Hollyhock Drive
375 Hollyhock Drive

116 Village Road
1475 Canal Road
155 Coventry Cross
1840 Canal Road
105 King Street
205 Hollyhock Drive
115 Riviera Street
145 Village Road
307 Hollyhock Drive
5275 North George Street
200 Codorus Furnace Road
110 Dogwood Court
3800 North Sherman Street

445 Greenfield Street
150 Don Rene Road
5 Coriander Lane
1375 Conewago Creek Road
5505 Board Road
5505 Board Road
220 Hollyhock Drive
267 Hollyhock Drive
1175 Jerusalem School Road
4055 Board Road
130 Austin Drive
5475 Board Road
343 Hillview Drive

2022 BMPS:

160 Village Road
185 Blaine Drive
280 Hollyhock Drive
133 Village Road
326 Pebble Beach Village
20 Asbury Court
45 Blaine Drive
246 Hollyhock Drive
307 Hollyhock Drive
320 Hollyhock Drive
1205 Conewago Creek Road
1160 Jerusalem School Road
125 Saginaw Road
355 Hollyhock Drive
160 Riviera Drive
1470 Conewago Creek Road
230 Hollyhock Drive
310 Hollyhock Drive
4881 North Sherman Street Extd
256 Hollyhock Drive
41 Hull Drive

223 Hollyhock Drive
365 Debbie Lane
340 Hollyhock Drive
85 Blaine Drive
100 Poplar Lane
91 Dogwood
139 Creek Bottom Road
365 Hollyhock Drive
290 Hollyhock Drive
260 Riviera
250 Hollyhock Drive
35 Hill Street
316 Hollyhock Drive
5 Fig Tree Way
60 Bryn Way
5 Coventry Cross
150 Village Drive
320 Hollyhock Drive
30 Hill Street
220 Hollyhock Drive

2023 BMPS:

466 Blossom Drive
5066 North Sherman Street Extd
325 Olde Hickory Road
80 Blaine Drive
105 Laurel Drive
125 Bitternut Road

4570 North Sherman Street Extd
165 Village Road
4255 North Sherman Street Extd
213 Hollyhock Drive
327 Hollyhock Drive

270 Hollyhock Drive
160 Payne Drive
1620 Canal Road Extd
35 Hollyhock Drive
30 Ryan Lane
220 Forge Hill Road
465 Greenfield Street
155 Riviera Street

150 Payne Drive
1495 Conewago Creek Road
65 Fern Drive
180 Village Road
385 Silver Maple Court
145 Don Rene Road
105 Fig Tree Way

APPENDIX VI

No Till Areas

No Till Area	UPI Number	Location			Installation		O&M					Area
		Watershed	Latitude	Longitude	Date	Inside of Planning Area	Activities	Frequency	Last Inspection Date	BMP Functioning	Rresponsible person/agency for Inspections	Acres
1	26000MI0037C000000	Hartman Run/Codorus Creek	40.041429	76.689695	After 2011	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	20
2	26000MI00250000000	Codorus Creek	40.043211	76.687476	After 2011	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	48
3	26000MI00240000000	Codorus Creek	40.0431	76.683939	After 2011	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	6
4	26000MJ00400000000	Hartman Run/Codorus Creek	40.056187	76.673252	After 2011	Yes	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	76
5	26000MJ00460000000	Hartman Run	40.061041	76.673009	After 2011	Yes	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	16
6	26000MI0136D00000000 26000050001A0000000 26000050001C0000000	Conewago Creek	40.070415	76.727552	After 2011	Yes	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	66
7	26000MH00050000000	Little Conewago Creek/Conewago Creek	40.059549	76.738314	After 2011	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	19
8	26000MI0136000000000	Conewago Creek	40.062342	76.729138	After 2011	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	43
9	26000MI0135000000000	Conewago Creek	40.057768	76.728182	After 2011	No	Twp. Insp.	Yearly	Jun-23	Yes	East Manchester Township	6

APPENDIX VII

East Manchester Township Planning Area Maps