

## WEST GOSHEN TOWNSHIP

### POLLUTANT REDUCTION / TMDL / BASIN ROAD PROJECT PUBLIC MEETING

JULY 26, 2017

#### Township Officials and Consultants

Mr. Casey LaLonde, Township Manager  
Mr. Richard J. Craig, Township Engineer  
Mr. Derek Davis, Assistant Township Manager  
Erin Letavic, P.E. / HRG  
Art Wawiernia, P.E. / AKRF  
Tracey Cohen, PLA / AKRF

Mr. LaLonde called the meeting to order at 7:00 p.m. and welcomed the audience to the meeting to discuss the Pollution Reduction Plans and Total Maximum Daily Load Plans required by EPA through PADEP via the MS4 stormwater program. Mr. LaLonde stated that the first portion of the meeting will be a presentation of these plans, followed by the required public comment period. All public comments will be recorded for submission to PADEP. The second portion of the meeting will be a presentation of the preliminary plans for the Basin Road stormwater basin retrofit project. No public comment is required for the Basin Road project, but comment will be taken.

Erin Letavic, HRG, presented the proposed Stormwater Quality Plans for Goose Creek, Chester Creek and Christina River. Ms. Letavic presented the four plans, to include two Pollution Reduction Plans (PRP) and two Total Maximum Daily Load (TMDL) plans for the watershed.

Ms. Letavic presented an overview of stormwater issues generally, including land development issues and aging infrastructure. She provided details on the various reduction percentages required by EPA / DEP for the pollutants.

One resident asked if the pollution requirements changed or did the Township impose these limits. Ms. Letavic responded that EPA and DEP imposed the pollutant limits and that the Township is required to comply with the MS4 permit terms, including reducing pollutant loads.

Ms. Letavic went into great detail regarding the Pollution Reduction Plans (PRPs), and that PRPs are required for all waters impaired by nutrient or sediment loadings that do not have a TMDL. She stated that PRP requirements go above and beyond implementation of MS4 permit MCMs (Minimum Control Measures) as part of an MS4 applicants permit approval.

Ms. Letavic stated that HRG used a modeling software named "MapShed" to model the pollutant loading. She stated that through this modeling, BMPs (Best Management Practices) were allocated throughout the watersheds including stream bank restoration and detention basin retrofits. These BMPs will allow for the required pollutant reduction goals.

The PPR reduction quantity goal for Total Suspended Solids (sediment) is 10%, and credit is granted for BMPs installed throughout the various watersheds.

Ms. Letavic stated that the PRP and TMDL plans' public comment period closes on August 25, 2017, the revised report is due in September 2017 and the report must be submitted on September 15, 2017.

#### **Public Comment / Questions**

##### **Dr. Douglas White:**

Do these plans actually remove pollutants or does the plan just allow for absorption into pervious surfaces? Ms. Letavic responded that vegetation can absorb stormwater, but that the plans look to slow down stormwater and allow basins to avoid the movement of sediment downstream.

Is it possible to address the regulations by having the Township collect Household Hazardous Waste? Mr. LaLonde responded that those are different pollutants and very expensive.

**Tom Casey:**

Current loads and what we are facing?

Ms. Letavic – yes, studied, and DEP has current regulations.

What are the requirements for implementation?

Ms. Letavic – DEP has not notified the Township yet on the exact implementation schedule, but implementation begins upon issuance on permit.

What funding source has been identified to pay for the permit projects?

Mr. LaLonde – general tax funding.

**Margie Swart:**

Is the Basin Road project credited to the PRP and TMDL plans?

Ms. Letavic – yes. Once the design proceeds.

What is the cost of implementing the plan?

Ms. Letavic - \$7 per pound or about \$2.1M.

Has West Goshen consulted with other municipalities?

Mr. Craig – We have to do projects only within West Goshen and therefore have not chosen to work with other municipalities at this time.

What about the sewer plant upgrades? Can we get stormwater credit?

Mr. Craig - No.

DEP states that the Township's stormwater Ordinance can be updated?

Mr. Craig – the fact that WGT is built-out, we cannot get credit. If the Township were mostly green, that approach could work.

Leaf pickup? Would increased leaf pickup help?

Ms. Letavic – Increased leaf pickup helps, but we can't claim credit.

Can the Township come out and clean stormwater pipes?

Mr. Craig – call the Public Works Department immediately.

**Robin Stuntebeck:**

How does this plan interact with PennDOT and the Commonwealth?

Mr. Craig – Commonwealth is responsible for all maintenance on Commonwealth roads. Water exiting Commonwealth ROW becomes the Township's problem.

Any behavioral improvements residents can use?

Mr. Craig – explained private property actions people can take to limit impact on stormwater. Car washing, no lawn services, let grass clippings sit on lawns, etc. Technical assistance is also available from the Township Engineer and on the Township website.

**Tom Casey:**

Can the Township limit lawn chemicals or lawn companies? Mr. LaLonde - No.

**Bob Stratton:**

Does each municipality have to do their share?

Mr. Craig – each municipality has its own waste load calculation and they have to comply with EPA / DEP requirements.

Is each municipality examined for what they are doing with stormwater?  
Mr. Craig – yes; Mr. LaLonde – yes, by Notice of Violations.

**Margie Swart:**

Detention basin checklists? Can the Township get credit for checking on those basins?  
Mr. Craig – We already check all of the basins in the Township and newer basins have a maintenance agreement. We check and fill out inspection reports annually and report those to DEP.

**The PRP / TMDL portion of the meeting ended at 8:00 p.m.**

The Basin Road stormwater basin project portion of the meeting began at 8:09 p.m.

Art Wawiernia, PE and Tracey Cohen, PLA of AKRF presented the Basin Road stormwater project.

Mr. Wawiernia presented the project location, existing site conditions, project goals, project funding and other relevant information.

The project is located in the Stoneybrook development and the project, including the basin, were built in the early 1970's. Existing conditions are very overgrown with a 2-acre basin catching water from approximately 74 acres and was designed to control extreme rain events to control flooding.

Mr. Wawiernia stated that the basin was designed for a 50+ year storm, not the normal 1, 2, 5 or 10 year storms. The outlet structure is enormous and does not serve the site well. The metal riser located in the project is six (6) feet across and is completely silted in.

He stated that the basin is located on a tributary to East Branch of Chester Creek and is not a high quality stream. Severely eroded streambanks are present throughout.

He stated that goals for the project include: enhance stormwater basin performance; trap and treat pollutants; repair and stabilize the damaged streambanks; enhance wetlands, riparian, and upland habitats; and provide passive recreation and education opportunities.

He stated that funding includes a PA Growing Greener Grant for \$296,400 and the Township is funding just under \$500,000 of the overall cost of just under \$800,000.

One key goal is to improve the quantity and diversity of plant life and wildlife.

He explained that the existing structures will be upgraded and the natural features will be changed, including removing invasive plants. He stated that the design would provide control for large storm events and also for regular summer thunderstorms.

He stated that the project is scheduled to go to construction in summer or fall of 2018 after an approximately two-year data collection and design phase.

The project will be publicly bid, constructed and pre and post monitoring will occur to measure water quality. Education will be provided to the public on the improvements to include interpretive signage and other initiatives.

Mr. LaLonde asked if there were any more questions. Being none, the meeting was adjourned at 9:00 p.m.

Submitted by,

  
Casey LaLonde, Township Manager / Secretary