

MINUTES

REGULAR MEETING

SWATARA TOWNSHIP

FEBRUARY 9, 2022

STORMWATER AUTHORITY

1. **Call to Order:** Mr. Varner called the Swatara Township Stormwater Authority meeting to order at 6:33 p.m. on Wednesday, February 9, 2022, at the Swatara Township Municipal Building, 599 Eisenhower Boulevard, Harrisburg, PA 17111.
2. **Roll Call:** Members present: Christine Zubeck, Mike Tuckey, Jeff Varner, Richard Boudier, and Tom Connolly. Also present: Assistant Township Manager Kim Kaufman, Solicitor Kevin Hall Stormwater Coordinator Kevin Trafka, Stormwater Engineer William Gralski and Secretary Karen Alleman.
3. **Visitors Requests and Comments:** None
4. **Consideration of Minutes: Minutes of January 12, 2022:** Mr. Tuckey made a motion to approve the January 12, 2022, minutes, seconded by Mr. Connolly. Motion carried unanimously.
5. **Stormwater Monthly Report:** Mr. Gralski's report was provided to the Board prior to this evening's meeting. Ms. Zubeck would like to see the re-calculation numbers for the PRP effort with the Borough of Steelton.
6. **Manager's Report:** Due to Mr. Fosselman's absence, there was no report.
7. **Members Requests and Comments:** Mr. Connolly is looking forward to receiving the updated numbers. Chairman Varner asked Solicitor Hall to update the Authority on the Norfolk Southern matter.
Solicitor Hall three things are currently on the table with Norfolk Southern. The Township was denied access to the property for the purpose of an inspection, Norfolk Southern stopped paying their stormwater fees and their credits were revoked. Norfolk Southern said they will pay their stormwater fees if their credits are reinstated. If they give us access to their property, we will reinstate their credits. Mr. Gralski said there are at least three problems with their stormwater system, the concrete that was poured under the tracks, inadequate drainage on Derry Street, and an issue with a manhole off of Derry Street not draining. Mr. Gralski does not favor awarding Norfolk Southern credits just because they allow us on their property. They must maintain their facilities.
He will update the Authority at the next meeting with appropriate methods to move forward.
8. **Adjournment:** Mr. Connolly made a motion to adjourn the meeting at 7:07 p.m., seconded by Ms. Zubeck. Motion carried unanimously.



Karen Alleman, Secretary



Swatara Township

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Memo

To: Swatara Township Stormwater Authority and Board of Commissioners
From: William P. Gralski, P.E.
Stormwater and Engineering Services
cc: Jim Fosselman, Township Manager
Kim Kaufman, Assistant Township Manager
Date: January 31, 2021
Re: Stormwater Activities during the month of January, 2022

During the previous month Stormwater staff worked on the following tasks and projects:

1) **Program Management & Budgeting**

- a) Stormwater staff continues to monitor the budget for 2021 and is working with Manager Fosselman to prepare the 2022 budget.

2) **Municipal Separate Storm Sewer System (MS4) Permit:**

- a) Stormwater staff continues to work on program non-compliance matters brought to our attention in the DEP inspection conducted in September. One of the requirements of the program is to perform this review on an annual basis. The Stormwater staff has performed this review, made the required revisions, and the revised written plans for the upcoming year are included in your packets to the Authority for your review, and input.
- b) The stormwater division is currently assisting Mr. Stinnett with the follow-up associated with the Norfolk Southern violation. Recently Township staff attempted to accompany the Department of Environmental Protection (PaDEP) on an inspection of Norfolk Southern facilities, unfortunately the Township was rebuffed by Norfolk Southern and Township staff did not enter the property. An Executive session may be required in the future to determine an appropriate course of action on this matter.
- c) Stormwater staff is continuing to work on revisions to the current Pollutant Reduction Plan (PRP). This effort is intended to be a two-pronged approach to determine if the Township's load reduction can possibly be reduced in order to subsequently reduce the required sediment load reduction. Township staff in concert with the Landsudies consulting firm has finished the first step of this effort by reviewing the existing PRP, reducing the load area and aggressively removing non-load areas (known as "Parsing"). This initial effort has reduced the Townships' sediment load by 646,855 pounds of sediment resulting in a reduction of the "Required sediment removal" of 64,685 pounds. Based upon the achieved reduction in the first phase, we have decided to try to remove even more load by going into the second phase which would involve calculating the load reductions from additional stormwater Best Management Practices (BMP's) in the service area. Additionally, in concert with Landstudies, we will analyze a new load reduction protocol now available for the Spring Creek Stream Restoration project that might enable the Township to get more out of the current project. We have just received the initial results of all of the above efforts and it appears as though the effort to re-visit the PRP will result in a significantly improvement in the Township's position relative to compliance with their MS-4 nutrient reduction requirements.

- d) In a related matter, we have been discussing with HRG (Steelton's engineer) a cooperative PRP effort with the Borough of Steelton for the past few months. After our last meeting representatives from Swatara and Steelton met in an online forum on November 11, 2021. Both Boards / Authorities thought that there was some potential in this joint effort, however, it was clear that Swatara Township would have to go through at least the first part of our load re-calculation effort in order to see which projects would make sense for the Township. All parties are awaiting the outcome of this effort. We may wish to revisit this topic now that we have begun to see the results of our load re-calculation efforts.
- 3) **Asset Management:**
- a) This past month, Stormwater staff has received from Arcadis a detailed Excel spreadsheet which will serve as the nucleus of an asset management system for the Townships' stormwater infrastructure. Township Stormwater staff and Arcadis have worked to develop a system to take the video data from the televising in the field and transfer it to an asset management spreadsheet. This system is now in-place in the Swatara Township computer system. Arcadis and township staff have imported this information into the Township's computer system. We have started to use this system and have already made some suggestions for useful tweaks that have been incorporated into the system. This will be followed by a training session for Township staff related to data entry and system management.
- 4) **Construction Projects**
- a) The utility coordination effort on the Derry Street culvert and paving project is on-going and we currently anticipate that the adjoining utilities will try to perform their relocations over the winter and early spring and we hope to resume construction on the project in the late spring of 2022.
- 5) **Grant Efforts**
- a) Stormwater staff is assisting the Road Department with a grant application to obtain funding for additional improvements at the facility. in hopes of obtaining funds for additional improvements at the Compost Facility.
- b) Stormwater staff has submitted Grant Close-out paperwork to close-out the Growing Greener Grant that was used to fund the design of improvements at Taylor Park.
- 6) **Land Development / Stormwater Reviews**
- a) During January, stormwater staff reviewed permit applications and stormwater management plans for five (5) different projects, Derry Street Dollar General, Rutherford Garden Homes, Dunkin Donuts on Eisenhower Blvd., STAAPT Suites and the Prologis parking lot additions.
- 7) **Swatara Township Compost facility**
- a) In addition to their other duties, Township Stormwater staff is helping to coordinate the PaDEP Compost permit renewal. The revised permit application was submitted to the Pennsylvania Department of Environmental Protections on January 28, 2022.
- b) In a somewhat related matter, there is an old landfill on the Township's compost site property that has been disposing leachate to the Capital Region wastewater system at a cost of approximately \$ 100,000 per year. The Township asked if there was any way to curtail this responsibility and save the cost. Stormwater staff has been evaluating this question and after consultation with a local hydrogeologist and DEP has come up with a proposed concept to both curtail this flow and reduce the Township's liability for the Landfill. The process proposed by the DEP is called an ACT 2 abandonment. The Act 2 process is generally led by a hydrogeologist and entails several technical steps in a process that will run one to two years. There will be costs associated with this effort, however, during much of this timeframe, the Township MAY NOT have to pay the annual fee for disposal. The process will involve retaining a professional hydrogeologist to manage this effort. William P. Gralski, P.E., LLC was asked to prepare a Request for Qualifications (RFQ) to begin the effort to select a hydrogeologist. A draft RFP has been sent to the Public Works staff, Manager Fosselman and Commissioner Ellis for their review and input.

Swatara Township Pollutant Reduction Plan re-evaluation

Comparison of PRP Calculations

Calculated Sediment Load

Existing = 4,643,762.00 Pounds - Sediment

Revised = 3,996,907.00 Pounds - Sediment

646,855.00 Pounds reduced

13.9% Percent reduction

Required Reduction

Existing = 464,376.20 Pounds - Sediment

Revised = 399,690.70 Pounds - Sediment

64,685.50 Pounds reduced

13.9% Percent reduction

Sediment Reduction from Spring Creek Project

Existing = 425,000.00 Pounds - Sediment

Revised = 1,393,256.00 Pounds - Sediment

968,256.00 Increase in credit from project

227.8% Percent increase

Years of sediment reduction from this project

Existing = 5.8 (Calendar starts April 2018)

Revised = 17.4

300.0% Percent increase