

**LOWER PAXTON TOWNSHIP
AUTHORITY BOARD**

Minutes of the meeting held on April 26, 2022

A meeting of the Lower Paxton Township Authority Board was called to order at 7:01 p.m. by Chairman Blain on the above date at the Lower Paxton Township Municipal Center located at 425 Prince Street, Harrisburg, Pennsylvania.

Board members present in addition to Mr. Blain were Chris Judd, Paul W. Navarro, David Ramsey, and Robert Oakes. Also, in attendance were Bradley N. Gotshall, Township Manager, Samuel Miller, Assistant Township Manager, Steve Stine, Solicitor William Weaver, Authority Director, Tim Nolt, Public Works Director, Scott Crosswell, GHD, Melissa Smith, GHD, and Jason Hinz, HRG.

Pledge of Allegiance

Mr. Blain led the Pledge of Allegiance.

Approval of Minutes

Mr. Judd moved to approve the minutes of January 25, 2022, and March 8, 2022. Mr. Navarro seconded the motion. Mr. Blain called for a voice vote, and there was a unanimous vote of approval.

Public Comment

There was none.

Board Members' Comments

Mr. Navarro noted that Mr. Zoumas and Mrs. Lindsey are attending the Pennsylvania Association of Township Supervisors (PSATS) Conference.

General Authority

Business

Approval of the Independent Auditors Report and 2020-21 Authority Financial Statements

Mr. Weaver summarized the Management Discussion and Analysis report and financial statements, noting that Mr. Miller would work with the Auditors to send the final report to DCED after the Authority Board acts on it. This information is also used to prepare the 2023 budget and recommendation for sewer and stormwater fee rates.

Mr. Blain noted that the Authority has a surplus of funds because they chose to save for the completion of future projects; the goal is to get the funds into position now, to take advantage of lower construction costs and accelerate some of the construction work at a lower cost. Recently, the Authority refinanced debt to benefit from the low-interest rates which are increasing.

Mr. Navarro made a motion to approve Independent Auditors Report and 2020-2021 Authority Financial Statements. Mr. Oakes seconded the motion. Mr. Blain called for a voice vote, and there was unanimous approval.

Approval of HRG as the Consulting Engineer for the PC-3E and PC 1F Sanitary Sewer

Mr. Ramsey made a motion to approve Herbert, Rowland & Grubic, Inc. (HRG) as the Consulting Engineer for the PC-3E and PC 1F Sanitary Sewer. Mr. Oakes seconded the motion. Mr. Blain called for a voice vote, and there was unanimous approval.

Resolution 22-07 Authorizing Attorney Collection Fees for Delinquent Sewer Accounts

Mr. Navarro made a motion to approve Resolution 22-07 Authorizing Attorney Collection Fees for Delinquent Sewer Accounts. Mr. Judd seconded the motion. Mr. Blain called for a voice vote, and there was unanimous approval.

Sanitary Sewer Fund

Business

Presentation by GHD on the Proposed Swatara BioSolids Dryer

Scott Croswell, GHD, presented a proposal for the Swatara Township Authority Biosolids Dryer Replacement project. See the attached Executive Summary report.

Mr. Blain noted that it is important to evaluate both options; he thanked Mr. Croswell for doing the research and completing this study. The Authority must take the initiative to take the next step with the Swatara Township Authority and Derry Township.

Mr. Judd asked Mr. Croswell if the tipping fees charged by Derry Township are determined by the number of Municipalities participating. Mr. Croswell explained that Derry Township charges a flat rate for tipping fees, and it's not based on the number of participating Municipalities.

Mr. Weaver noted that Mr. Croswell has recommended that the Authority Board consider both Alternatives, Swatara Township, and Derry Township. Unfortunately, Swatara Township is not considering both Alternatives, they will be moving forward with just the Biosolid Dryer. He recommended that the Authority Board authorize a letter signed by Chairman Blain, requesting to be placed on the Swatara Township Authority's agenda in May so that Mr. Croswell can present his findings.

Mr. Blain stated there is no call for action at this time, and he authorized Mr. Weaver and Mr. Croswell to move forward with their request to present the study to the Swatara Township Authority.

Mr. Navarro thanked Mr. Croswell for a job well done.

Township Reports

Mr. Weaver reported that Mr. Nolt's replacement has been offered the Engineer Position and he will begin employment on May 9, 2022.

Mr. Weaver provided an update on the Authority projects. The BC-2 project is complete, and the initial flow analysis shows that 90-100% of the I&I. The restoration process has been slow; however, the Authority has mailed a notice to residents that have a punch list item. Doli Construction is working over the next two months to complete the paving, concrete, and yards. The BC-7 project was awarded to Doli Construction and they will start working at the end of May.

Mr. Weaver noted that a written report will be presented to the Authority Board members at the next meeting.

Engineer's Report

Melissa Smith, GHD, provided an update on BC-2A/2B/2C/5B Sanitary Sewer Replacement & Rehabilitation project and BC-7A/7B/7C/7D/8C/8D. A preconstruction meeting was held on March 7, 2022, and work is scheduled to start in June 2022, this project will be completed by the end of 2024. GHD is currently reviewing shop drawings. GHD will perform the preconstruction video and construction administration for this project until the in-house staff is replaced. Rogele has completed the first work order under the concrete contract. The SC-2B Sanitary Sewer Rehabilitation project is near completion. The 2021 Sewer Project Construction was complete on January 24, 2022; however, PACT indicated they will be on site in May to do the punch list items and weather conditions are good enough to plant the seed. The Power of Commitment 1257258 2 5. 2020/2021 Lining Project Construction is scheduled to be completed by May 30, 2022.

Ms. Smith noted that GHD will perform the remaining construction administration for this project and will close out the contract when appropriate. GHD has reviewed shop drawings for the sanitary sewer portion of the Red Top Road Bridge Replacement Project. Additionally, GHD has prepared a memorandum summarizing the current flows and capacity and outlined alternative hydraulic evaluations for two increased capacity scenarios for new development, specifically the Kessler Development that would contribute to mini-basin PC-5C at the Colonial Road Pump Station.

Stormwater Fund

Business

Resolution 22-08 authorizing condemnation of a temporary easement for the BC-& Bridge/Culvert Replacement Project

Mr. Weaver removed this item from the agenda.

Authorization of a New Full-time Employee for the Storm Sewer Replacement Crew Under the Stormwater Fund Budget

Mr. Judd made a motion to authorize a new full-time employee for the Storm Sewer replacement crew under the Stormwater Fund Budget. Mr. Oakes seconded the motion. Mr. Blain called for a voice vote, and there was unanimous approval.

Public Comment

Richard Pleasants, HOA, The Estates of Forest Hills, commented about the stormwater easements in The Estates of Forest Hills. He indicated that the easements were never formerly dedicated to the Township. He asked who is responsible for replacing the pipes.

Mr. Blain advised Mr. Pleasants that the Authority staff and Board would meet to discuss the situation and get back to Mr. Pleasants. Mr. Weaver added that the problem is statewide, not just in the Township.

Adjournment

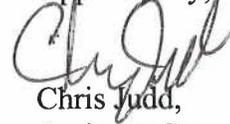
Mr. Judd motioned to adjourn the meeting. Mr. Blain seconded the motion, and the meeting adjourned at 8:11 p.m.

Respectfully submitted,



Shellie Smith
Recording Secretary

Approved by,



Chris Judd,
Assistant Secretary

Executive summary

Lower Paxton Township Authority (LPTA) discharges raw sewage to the Swatara Township Authority (STA) Water Pollution Control Facility (WPCF). Solids generated by LPTA are co-mingled with solids generated by Swatara and Hummelstown, and South Hanover Township will contribute flow to the same facility soon. The agreement by and between LPTA and STA obligates LPTA to 60.238% of capital improvements. Based on STA estimates, the total project cost of a replacement dryer at STA is \$7.75M. Therefore, LPTA's portion of that cost would be \$4.67M. The replacement dryer is a sound alternative to achieve Class A biosolids given the existing Dryer Building and limited space at the STA WPCF. However, the STA Dryer Replacement project (Alternative 1) was delayed due to the pandemic and to confirm the most suitable dryer for the undigested sludge generated at the facility. During this time, Derry Township Municipal Authority (DMTA) has progressed the concept of a regional biosolids processing facility, using a gasification system (Alternative 2).

If STA, LPTA, Hummelstown, and South Hanover consider hauling to DTMA's Clearwater Road Wastewater Treatment Facility (CRWWTF), new truck load-out equipment for dewatered cake will need to be designed and constructed at the STA WPCF. A new or used truck/trailer or contract hauling agreement will be required to transport dewatered biosolids from the STA WPCF to the CRWWTF. Also, a reliable disposal option for liquid or undigested dewatered biosolids generated at STA WPCF is likely required for the next two to three years. A reliable backup for undigested dewatered biosolids disposal must be maintained whether a new dryer is installed at STA or a discussion to haul to DTMA is considered.

The capital cost estimate of the DTMA gasifier project is preliminary (-30% to +70%) as stated in the DTMA Phase 1 Facility Planning Technical Memorandum prepared by Brown and Caldwell (B&C) (March 23, 2022). During a meeting between DTMA, LPTA, Hummelstown, and GHD on March 31, 2022, numerous mechanical additions and revisions to the Ecoremedy gasification system were discussed. These equipment changes are likely to increase capital costs and extend the project schedule. The current tipping fee estimated by DTMA is \$22 per wet ton, this amount could change upon finalization of design and bidding of project and development of more detailed operations and maintenance cost estimates.

While all mechanical equipment is subject to routine and non-routine maintenance and downtime, the DTMA gasification system is much more complicated process compared to drying alone. The Ecoremedy gasification has not operated under long-term, continuous operation. The demonstration plant in Morrisville, Pennsylvania (PA) was operated intermittently due to supply chain problems with the delivery of truck-hauled biosolids. Significant changes to the Ecoremedy equipment arrangement are being considered. Considering these facts in aggregate, the potential for downtime of the DTMA gasifier is considered greater than that of a dryer at the STA WPCF. However, GHD assumes that these concerns would be adequately addressed in an intermunicipal agreement between DTMA and STA.

Economically, the alternative of using the regional gasification system (Alternative 2) is significantly less expensive on an annual basis. This is true even regarding the highest cost estimate for DMTA's system and operations. STA, LPTA, Hummelstown, and South Hanover will need to discuss the two alternatives to decide how to proceed.