

ENGINEER'S REPORT

Pottstown Borough Authority

May 13, 2022

The following summarizes our recent activities performed on behalf of the Pottstown Borough Authority (Authority) from April 15, 2022, through May 13, 2022:

Capital Projects

Water Treatment Plant Improvements – Air Scour System

No significant updates since the April 2022 Report. Equipment has been received and Pottstown Borough Staff is working on the Project. HRG assisted with some design adaptations to aid in installation. Once ready, HRG and Roberts Filter will provide start-up services to place each filter back into service.

LT2 Enhanced Surface Water Rule: UV Installation Project

The first job conference occurred on Wednesday, April 20, 2022. During that meeting, the overall construction schedule was discussed. The UV equipment from Evoqua is now expected to be delivered by the end of May 2022 and the steel pipe from SWF is anticipated for delivery during the week of May 23, 2022. A.N. Lynch is looking to install conduit this month and start the panel installation in the next couple months after they are delivered. After confirming with Evoqua, the communications for the UV system should be able to be completed ahead of the installation of the UV units. The overall schedule delay is for the mega-flange adapters which are delayed until August 2022. Once these are delivered, BGC and A.N. Lynch can finalize their installations and anticipate to still finish by the contract substantial completion time of September 24, 2022. HRG is working on confirming the SCADA I/O list to coordinate work with the Authority's system integrator.

PADEP sent the revisions to the COA in February 2022 extending the deadline of the LT2 CO&A scheduled until November 2022. The revisions included a date of November 3, 2022, for construction completion and December 7, 2022, for the amended operation permit to incorporate the UV treatment for Cryptosporidium.

WWTP Capacity Upgrades Project

HRG has begun designing the WWTP Capacity Upgrades Project at the Pottstown WWTP. A site visit was performed on April 28, 2022 with the WWTP Operator to verify existing conditions, project needs, design, etc. HRG is currently coordinating with vendors for equipment selections and procurement quotes. A brief design memorandum will be sent to the WWTP Operator to confirm the design and equipment prior to completing the full design.

Miscellaneous Projects

2023 to 2033 Capital Improvements Plan (Water and Sewer)

There are no further updates since the January 2022 Engineer's Report.

WTP NPDES Permit Renewal Application

No significant updates from the April 2022 Report.

HRG continues work on the NPDES Permit Renewal Application (Permit No. PA0052647) for the Pottstown Water Treatment Plant (due on June 6, 2022). HRG continues to coordinate with Plant Staff to obtain the information needed for the application as well as testing for the priority pollutants required.

WTP Log Inactivation Calculation Review

Following the FPPE exit meeting with PA DEP, Noah Fitzgerald identified a number of concerns related to the volumes and the baffling factors utilized for the current permit as a result of the 2018 Tracer Study. He identified that another tracer study would be required in addition to confirming the volume discrepancies he pointed out. HRG has reviewed the Tracer Study in detail against the record drawings. In addition, HRG has confirmed basin dimensions and depth measurements on site and with PBA staff. HRG has a document which has been sent to PBA for review confirming these volumes in comparison to those used in the past tracer study and has drafted responses to all of PA DEP's concerns. There is one segment (segment 5) where PBA staff more recently clarified that the wrong suction well dimensions we utilized. Due to this issue, the volume permitted is more than the current calculations show. HRG has worked with PBA staff this month to confirm the depths in those basins to review PBA's options and based on that coordination will be responding to PA DEP's concerns. PA DEP may require a revised 'designation of treatment segments for calculation of 1.0-log giardia inactivation' if any changes are required to the permit.

Water Valve Exercising Program

No significant updates from the April 2022 Report.

HRG will continue to ensure that all work under Contract No. VP-1 is conducted in conformance with the Scope of Work and intent of the executed Agreement. HRG has informed Wachs that future year efforts are to be completed only during the warmer months (April to October) to minimize cold-weather related field issues.

UPT Act 537 Sewage Facilities Plan Update for Acquisition of UPT Sewage Facilities by PAWC

There are no further updates since the March 2022 Engineer's Report.

Industrial Highway Meter Review

Lower Pottsgrove and their Engineer requested a site visit meeting to further discuss this matter with HRG and Pottstown Staff. The site meeting was conducted on April 22, 2022 with representatives from Pottstown, LPT, HRG, and Ebert Engineering. As noted in the memorandum prepared by HRG, it is our recommendation that LPT replaces the existing flume style flow meter with the Teledyne Signature Meter (or equal) and continue to meter the flow discharging from the Industrial Highway Properties as the method for the Authority to accurately measure and bill LPT or an alternative to replacing the flume style flow meter, bill the Township for the Industrial Highway property flow on an average flow per EDU (7,200 gpd) until the water usage meets or exceeds that value.

Funding Opportunities

Lead Line Replacement Initiative

After the Authority's decision in their April 2022 meeting to reject the PENNVEST funding, the Borough was contacted by Representative Ciresi to discuss the matter further. On May 12, 2022, a meeting was held with Representative Ciresi, Representative Hennessey, their Staff, HRG, Mr. Keller, and Mr. Yerger to discuss the project, the funding decision, and alternative approaches with the funding as well as avenues in which the Representatives can assist the Authority with moving this initiative forward. Prior to sending the rejection letter,

it was discussed that Pottstown and HRG would prepare a memorandum that includes the reasoning for the rejection and requested changes to the requirements of the program that would make the acceptance and implementation of the funding more feasible.

On behalf of the Authority, HRG submitted a grant application (ID MPRF-22-226) for the Montgomery County ARPA (American Rescue Plan Act) Grant Funding Program prior to the April 30, 2022 deadline. The application was developed using the previous PENNVEST Application information. The application's project funding request for the Lead Service Replacement Project was approximately \$6,030,000.00. The application is currently in the process of being reviewed and scored. All project scoring is expected to be posted by June 10, 2022.

Land Development

Hanover Square Commercial Development

There are no further updates since the April 2022 Engineer's Report. Approval of the Contractor's formal bond release request (dated July 27, 2021) is contingent upon acceptance of the required sanitary manhole correction work by Public Works (previously reported by the Contractor as scheduled for completion during Spring 2022).

Lower Pottsgrove Township Municipal Complex Development

There are no further updates since the April 2022 Engineer's Report. HRG has conducted a total of three (3) water/sewer capacity reviews (final letter issuance date of January 11, 2021); a total of two (2) land development reviews for the proposed water system (final letter issuance date of December 2, 2021); and previously performed a financial security review for the water system improvements to recommend an amount for financial security for facilities to be dedicated to the Authority (letter issuance date of February 3, 2022). There are no further action items required for this land development project.

243 Shoemaker Road (Specialty Chemical Systems, Inc.) Development

This land development project is no longer on-hold. The Design Engineer informed HRG on April 28, 2022 that the project has been reactivated, and requested HRG's assistance with processing a PADEP Sewage Facilities Planning Module Exemption Request. HRG performed a sewer capacity review and provided the associated Planning Exemption Mailer documentation to the Design Engineer on May 9, 2022. HRG is currently collaborating with the Design Engineer to provide technical assistance on the original land development review letter for the proposed water and sewer systems (letter issuance date of July 7, 2021).

759 Sheridan Street (Sheridan Street Subdivision) Development

There are no further updates since the April 2022 Engineer's Report. The Design Engineer previously provided HRG with the PADEP Sewage Facilities Planning Module Exemption Letter, dated September 30, 2021. A Will Serve Letter was previously prepared for the project. There are no further action items required for this land development project.

14 Robinson Street (Permabond, LLC) Development

There are no further updates since the April 2022 Engineer's Report. HRG has performed a total of four (4) land development reviews for the proposed fire water service (final letter issuance date of February 14, 2022) and successfully coordinated with the Design Engineer, the Applicant's Architect, the Fire System Designer, and Public Works to ensure that final plan revisions were made in conformance with the mutually agreed-upon end design criteria for the 2-stanchion support system. There are no further action items required for this land development project.

451 Keystone Boulevard (Pottstown Sustainable Energy Plant) Development

There are no further updates since the April 2022 Engineer's Report. The approved O&M Agreement was partially executed by Pottstown Sustainable Energy Plant in December 2021 and has been sent to the Authority Solicitor for completion and execution.

200 Shoemaker Road (Chipotle) Development

HRG has performed one (1) land development review for the proposed water and sewer systems (letter issuance date of December 10, 2021) and is currently collaborating with the Design Engineer to address all comments provided in this review letter. HRG expects the final land development resubmission to follow. The Design Engineer previously provided HRG with the PADEP Sewage Facilities Planning Module Exemption Letter, dated March 22, 2022.

860 Beech Street (Hill School Turf Field) Development

HRG has performed one (1) land development review for the proposed water and sewer systems (letter issuance date of March 14, 2022) and is currently collaborating with the Design Engineer to address all comments provided in this review letter. HRG expects the final land development resubmission to follow.

816-842 Queen Street Land Development

HRG has performed one (1) land development review for the proposed water and sewer systems (letter issuance date of April 18, 2022) and is currently collaborating with the Design Engineer to address all comments provided in this review letter. HRG expects the final land development resubmission to follow. HRG has also performed a Sewer Capacity Review that projects that the additional flow from the land development can be treated hydraulically and organically by the collection, conveyance, and treatment system(s). Signatures by the Authority confirming this have been sent to the developer for planning exemption by PA DEP.

Please feel free to contact me if you have any questions regarding this report or any other items.

Respectfully Submitted,

HERBERT, ROWLAND & GRUBIC, INC.



Cory J. Salmon, PE, PMP
Group Manager | Water & Wastewater

c: Justin Keller, Authority Manager
Douglass Yerger, Public Works Director
Brent Wagner, Utilities Director
Joshua Fox, PE
File