

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from November 30 through December 29, 2018:

Projects in Construction

Contracts 17-1 and 17-2: WWTP Headworks Improvement Project (007608.0440):

PSI Pumping Solutions, Inc. was contacted regarding the meeting date in February as to when they can make their claim to the Authority. From our discussion, we believe that the claim may be addressed prior to that date. A verbal update will be provided to the Authority on January 2.

2017 Sanitary Sewer System Repairs (007608.0436):

Remaining work includes epoxy lining of two (2) manholes and miscellaneous items for final clean-up. Equipment issues have delayed the completion of this work. The Contractor has requested that they wait until spring to get the work completed due to scheduling conflicts. HRG has responded with a notice of non-conformance to the Contract and we are awaiting a response.

The date of Substantial Completion was September 26, 2018. No additional costs have been occurred as a result of the delay.

Contract Nos. 17-3, 17-6, and 17-7 Anaerobic Digester Replacement (007608.0433):

Contract 17-3 continues work with erection of the new Primary Digester Cover, start-up of the combination boiler/heat exchanger, and Vaughn sludge recirculation pump (No.1), as well as work on biogas and sludge piping. Work continues with sealing of the Digester floor sloped slab (sealing shrinkage cracks), final testing of the Digester Cover and mixers, and the biogas safety equipment. Once all equipment has been tested and passed, the Township Staff will begin sludge transfer from the existing Digester and will start wasting sludge to the new Digester. This is expected to begin the week of January 14 if all testing is satisfactorily completed.



Contract 17-6 continues to provide start-up support and maintain schedule with EEC.

Contract 17-7 has installed the ventilation for the combination boiler/heat exchanger, water piping, and new sample sinks. They are currently maintaining schedule with EEC.

Job Conference No. 11 was held on December 19, 2018. A copy of the minutes were posted to EADOCS.

We have received two change order requests from EEC that are currently under review. The first includes the location of the existing SU/6 pipeline differed in location and depth than that which was provided on the Record Drawings. This also resulted in a change to the Waste Gas Burner drain location (due to depth of SU/6). The requested change is for a total fee of \$22,185.22 and 4 days. The second change order request is for a time extension to move substantial completion to July 1, 2019 due primarily to the amount of rain that we had this year that affected the tank construction and installation of the waste gas burner vault.

We are recommending approval of the following applications for payment:

- Approval of Application for Payment No. 12, as submitted by Eastern Environmental Contractors, Inc., in the amount of \$193,938.03 for work completed through December 17, 2018 for Contract 17-3 (General Construction).
- Approval of Application for Payment No. 8, as submitted by Garden Spot Electric in the amount of \$44,100.00 for work completed through December 19 2018 for Contract 17-6 (Electrical Construction).
- Approval of Application for Payment No. 5, as submitted by GEM Mechanical Services in the amount of \$31,048.90 for work completed through December 15 for Contract 17-7 (Mechanical Construction)

Contract Nos. 17-8 and 17-9: Enhanced Chemical Addition Project (007608.0432):

We expect that the final closeout documents will be provided to the Authority at the February Authority Meeting. The final reimbursement request will be submitted to PA DCED on December 31.

Other Projects/Tasks

Pump Station Phase II Improvements (007608.0442):

The bids for the Downing Avenue/Woodcrest Pump Station were opened on December 11. The low bidder for the General Construction is McKenney Construction for a lump sum cost of \$465,154.00 and the apparent low bidder for the Electrical Construction was AJM Electric, Inc. in the amount of \$64,198.00. AJM Electric, Inc. did not submit all of the required bid documents within 3-days of the bid opening as required. After discussion with the Solicitor, we are recommending that the Authority authorize HRG to issue the notice of intent to award to McKenney Construction for the General Construction Contract No. WC-1 for a lump sum fee of \$465,154.00 and to the lowest responsible bidder, Garden Spot Electric for the Electrical Construction Contract No. WC-2 for a lump sum fee of \$78,900.00.

Pump alternatives for the Westtown Way Pump Station have been provided to the Township Staff for review and selection. A meeting was held December 19 at the Flygt Service Center in Malvern to review Flygt equipment and service applications for Westtown Way and Taylor Run. Once the pump selection has been made, we will continue work on the preliminary design.

We are awaiting information from the temporary flow meters and pressure gauges in order to obtain actual pumping conditions (flow and head) at the Washington Street and Fern Hill Pump Stations. Once obtained, we will be able to finalize our model and identify if there are any significant downstream impacts to upgrading the capacity of the Taylor Run Pump Station.

An easement exhibit has been prepared to obtain an easement from West Chester Borough for installation of a new transformer for providing power to the Station.

WWTP Phase II Improvements / TMDL (007608.0442):

The Water Quality Part II Permit Application was submitted to PA DEP by the required October 30, 2018 deadline.

Contract No. PR-18-1 for the Ballasted Flocculation and Clarification System Procurement has been advertised for public bid on November 30th in accordance with the Settlement Agreement compliance schedule. The revised proposal from EVOQUA for the COMAG equipment and start-up services was increased approximately 3% since the last quote due to the increased cost of steel. The equipment was quoted at \$1,697,500 and included a deduction for the pilot testing. It should be noted that this cost does not include any impact from tariffs. The bid opening is scheduled for January 4 at 1:00PM.

A meeting was held on December 3rd to meet with the Township Staff, OCC, and Keystone Engineering to review the alternatives for the SCADA system and develop what controls and data the Township would like to obtain for the existing wastewater equipment. The next meeting will be held with the Township's IT/IS Consultant to review existing support and back-up systems.

Final design continues for both the Dewatering System Improvements and the COMAG System. Lead and asbestos testing was completed for the Dewatering Building and the geotechnical field work was completed around the existing abandoned trickling filter. We are expecting to receive both reports in January. Additionally, SoftDig was on-site in an attempt to locate existing piping and valving that will need to be connected to for the new tertiary treatment system.

2018 Sanitary Sewer Repair Project (Contracts 18-2 and 18-3):

The preconstruction conference is scheduled for January 9 at 1:30PM at the WWTP Conference Room. We expect that Mr. Rehab will begin cleaning and CCTV inspection the week of January 7. They have identified that they expect to have all of their work completed within 45 days, weather pending.

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

Respectfully submitted,

Herbert, Rowland & Grubic, Inc.



Joshua T. Fox, P.E.
Regional Service Group Manager

JTF/
007608.0426

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c: West Goshen Sewer Authority (w/encl.)
Casey LaLonde, Township Manager (w/encl.)
Dave Woodward, Public Works Director (w/encl.)
Mike Moffa, WWTP Superintendent (w/encl.)
Edward A. Ellinger, P.E., HRG (w/encl.)
File (w/encl.)