

Lake City Municipal Sewer Authority Meeting of December 11th, 2018

This meeting was held at the Waste Water Treatment Plant at 7:00 p.m.

Attending: Robert Pier excused; David Jackson acting chairman; Rick York - absent; Darwin Michelson; Joseph Legnasky; Engineer Steve Halmi; Attorney Gary Bax.

Visitor: Councilperson Bettie Stephens; Plant operator Brent, Councilperson Doug Straw

Public Comment: Concern with the leaves and branches plugging up the valve in the sludge press area

Minutes of November 13th, 2018

Motion for approval as presented by Darwin Michelson seconded by: Joe Legnasky motion carried

Financial Report:

Bills for approval:

Konzel Construction contract 2017-1 payment #10 \$148,007.45 check # 1031

Motion to approve: Darwin Michelson second by: Joe Legnasky

Motion carried

C.W. Beal contract 2017-3 payment #5 - \$12,713.40 check # 1030

Motion to approve: Darwin Michelson second by: Joe Legnasky

Motion carried

Gary Bax Attorney Invoice # 16 - \$240.00 check # 1096

Gary Bax Attorney Invoice #15 - \$300.00 check # 1096

Total \$540.00

Deiss & Halmi Engineering Invoice # 11-18-2A \$14,232.20 check # 1029

This is for Contract Administration

Deiss & Halmi Engineering Invoice # 11-18-2C \$1,500 check # 1029

WWTP Upgrade

Total \$15,732.00

Grand total - \$176,992.85

Interest paid on the Pennvest loan for November 2018 - \$2,995.82

Projected interest to paid on the Pennvest Loan for December 2018 - \$3013.33

Andover Bank loan is \$0.00

Received a check of = \$45.47 from the McDonald Group LLP for remaining balance of funds escrowed in the Engineered Plastics lot acquisition, this was deposited in our PNC account.

Motion to submit to Pennvest for payment: motion by Darwin Michelson second by: Joe Legnasky

Special Note:

Monahan & Monahan CPA will no longer be able to do our yearly audit. I have looked at several companies to complete the audit, several of these firms would not return phone calls or bid on the audit I did receive a proposal from Buseck, Barger, Bleil and Co. Inc. Valerie L. Hartley, CPA cost is \$ 2,200.00 and would recommend this firm Motion to accept by Darwin Michelson Second by David Jackson motion carried.

Engineer Steve Halmi;

Job Conference No. 10 on November 27, 2018

Percent of Time to Substantial Completion on Contract 2017-1 is 98.5% and on Contract 2017-3 is 98.4%

Work Completed since last job conference:

- The headwork's building has been erected and completed.
- The concrete floor at the headwork's building has been completed
- Primary Clarifier #2 has been sand blasted, primed, and painted. The last day of the curing period is Tuesday December 4, 2018.
- Some electrical work has been done at the Headwork's Building.
- The weir box has been installed in the flow-metering tank. The ultrasonic sensor has not been wired yet.
- The fence has been mostly installed along the property. The subcontractor will be on site this week finishing some miscellaneous ties.
- Some of the landscaping around the control building has been completed.
- The hatch going to the Control Building basement has been installed.
- Konzel repaired the shaft in the grit chamber on November 27, 2018.
- Konzel removed. Smoothed the studs at the dumpster pad on November 27, 2018.
- Keystone has done some lighting in the Control Building basement. They will finish the lighting in the Control Building after the electrical switchover in the Control Building.

Change Orders:

- The change order request for the replacement of the guardrails for lift pump #3 at the main lift pump station was authorized by the Authority on a Time and materials basis. This work will be completed during the change out of the controls.
- Konzel will prepare and provide DHE a cost breakdown for the electrical work done to a light pole that had to be moved near the Headwork's building.

- Konzel will install a saddle tap in the line coming from the sludge tanks and order the parts as needed for the saddle tap. Konzel will prepare and provide DHE a cost breakdown for the work done.
- Konzel will prepare and provide DHE a cost breakdown for the shaft repair at the grit chamber. The work was completed on November 27, 2018.
- Konzel will prepare and provide DHE a cost breakdown for the scrapers/sweeps installed on the primary clarifiers.
- Konzel will prepare and provide DHE a cost breakdown for the pipe bollard near the Headwork's Building.
- The work for the change order involving the bathroom upgrades in the Control Building will occur after switchover of the main pump controls.
- The work for the change over involving the lighting upgrades in the Control Building will also occur after the switchover of the main pump controls.
- The addition of the position indicating switches onto the existing valves in the Control Building shall take place the week of December 3, 2018 after the switchover of the main lift pumps.
- Some of the work has been completed for the change over involving the electrical changes at the Headwork's Building. The rest of the work will be completed after the switchover of the main pump controls.
- Konzel is excavating between the chlorine building and the RBC's for the Borough crew to install a replacement water line. This work will be paid separately by Lake City Borough

Field Orders / Work Change Directives

- After the meeting DHE directed Konzel to install an approximately 2-foot standpipe to the overflow from the main lift pump station.

Outside Agency Site Visits:

- The Pa Dept. of Labor and Industry is finalizing the Occupancy Permits for the Control Building and the Headwork's Building.

Testing/Start-ups:

- Mike Perone was on site during the startups of the chopper pump, the chlorination and dechlorination tank blower, the sludge pump in the Control Building and the sludge pump in the sludge press building.
- During the startup of the sludge pump in the Control Building it was observed that the sludge pump was running much harder and faster than expected. Upon further investigation it was discovered that the manufacturer to run slower had modified the old sludge pump. The manufacturer mail a different size pulley to the plant to slow downs the speed for the time being. DHE directed Konzel to do the following:

1. Install the new pulley on the new pump to slow down the new pump.

2. Once the new pulley is installed, run the new pump and witness the performance. DHE would like to witness this as well. If it appears that the pump is still causing the piping to move too much, proceed with installing additional bracing.
3. Proceed with relocating the old pump and piping per the plans.
4. DHE will present the options for slowing down both pumps to the Authority at their next meeting (12/11/2018). The Authority will decide the best course of action to slow both pumps, whether it is by replacing the motors with 1200-rpm motors or installing VFD's.

Shop Drawings/Submittals:

- **Cabinetry/Countertops in the Control Building**

Konzel emailed the submittal of the cabinetry and countertops in the Control Building to DHE on November 29, 2018. DHE is currently reviewing the submittal. The lead-time on these materials will be 8-10 weeks.

- **Water Meter in the Sludge Press Building:**

Konzel emailed the submittal of the water meter in the Sludge Press Building to DHE on November 30, 2018; DHE is currently reviewing the submittal.

Potential upcoming Changes in Scope:

- **Grit Drag out**

Konzel will prepare a cost breakdown for the work needed to be done to the grit drag out and provide it to DHE.

- **Generator to the Sludge Press Building**

The Authority has discussed options for purchase of a new, used and rental generators. No decision has yet to be made.

The next and Final Job Conference will be on Tuesday January 8, 2019 at 10:00 a.m. at the same location or in the job trailer.

Certificate of substantial completion date 12/7/2018 and was submitted to DEP motion by Darwin Michelson second by Joe Legnasky motion carried

Change Orders:

* Contract 2017-1 **Change Order # 28** – installation of a saddle tap in the line coming from the sludge tanks for a polymer feed cost \$978.80. Motion by Joe Legnasky second by Darwin Michelson motion carried

* Contract 2017-1 **Change Order # 30**– installation of the existing Control Building Heater in the chlorine shed cost \$1156.23 motion by Darwin Michelson second by Joe Legnasky motion carried

* Contract 2017-1 **Change Order # 29** – Shaft repair at the grit chamber and dumpster pad stud removal Cost \$2035.86 motion by Joe Legnasky second by Darwin Michelson motion carried.

- Contract 2017-1 **Change Order # 31** - Electrical work for the light pole near the Headwork's Building and chlorine contact tanks cost \$2133.27 motion by Joe Legnasky second by Darwin Michelson motion carried.
- Contract 2017-1 **Change Order #32** Increase the rim elevations for manhole MH-H and MH-G1 cost \$3545.35 motion by Darwin Michelson second by Joe Legnasky motion carried.
- Contract 2017-1 **Change Order # 33** Rehabilitation of the grit drag out at the headwork's cost not to exceed \$44,000 motion by Joe Legnasky second by Darwin Michelson motion carried.

Future Changes and Change Orders

- Addition of a pipe bollard near the headwork's buildings
- Extra painting from C.W. Beal will be doing in the grit chamber this will be Time and Materials.
- Brace sludge piping in the basement this should be completed week of 12/14/2018
- Addition of a generator for the sludge tank blowers – a new generator will be \$24,000 plus installation, we could use the current generator this will be tested with Steve Halmi and Keystone electric within the next few weeks and a recommendation will be forth coming.
- The further slow down of the new and old sludge pumps in the basement:

- a. Replace motors with slower motors of constant speed 1200 RPM vs. 1800 RPM this would cost \$2000 plus installation.
- b. Install VFD's to run these motors approximately \$4000 each plus installation the company does have one VFD, which they will sell to us for \$1600.
- c. Do nothing but rely on the new pipe bracing to resolve the problem.

Motion by Darwin Michelson and second by Joe Legnasky to purchase the single VFD at \$1600 and installation total cost not to exceed \$3000. Motion carried.

- Received quoted for the chlorinator upgrade as required by the permit.

- a. Dyna Tech Control Solutions, Inc. (Regal Chlorinators) cost \$4773.00
- b. BissNuss Inc. (Wallace & Tiernan) cost \$7334 plus \$1000 for start up
- c. Will require a 4-20 mA signal (keystone to take care of).

A motion by Darwin Michelson and second by Joe Legnasky to use Dyna Tech Control Solutions at a cost of \$4773.00 since we already have a Regal Chlorinators in the building. Motion carried.

Punch List of items to be completed or corrected from the walkthrough at the last Job Conference 10, all items to be completed by 12/31/2018 except where noted:

- Site restoration and paving contract time has been extended until May 31,2019.

** Items added by change order or pending items added by change order. To be completed expeditiously, though not necessarily by 12/31/2018.

1. Provide equipment startup reports:

- a. Plant drain lift station pump
- b. Chlorination/dechlorination blower
- c. Sludge tank blowers
- d. RBC blowers
- e. Sludge press
- f. Liquid polymer feed system
- g. New Control panel in Control Building
- h. Electromagnetic flow meter

2. Provide equipment operation and maintenance manuals:

- a. Plant drain lift station pump
- b. Chlorination/dechlorination blower
- c. Sludge tank blowers
- d. RBC blowers
- e. Liquid polymer feed system
- f. New Control panel in Control Building
- g. Sludge Press
- h. Electromagnetic flow meter
- i. Sludge pump in Control Building
- j. Sludge pump in Sludge Press Building

3. Install hour meters and timers for sludge and chlorination/dechlorination blowers

4. Install bar screen in the headwork's influent channel – completed 12/5/2018
5. Install air diffuser in dechlorination tank – completed 12/11/2018
6. Finish installation of the ultrasonic level sensor in the flow-metering tank and restore flow proportioned effluent sampling.
7. Relocate old sludge pump in basement and associated piping.

- ** 8. Complete bathroom renovations in the Control Building (CO#17)
- ** 9. Install emergency switches and disconnects for motors in the headwork's building (CO# 26)
- ** 10. Install saddle tap for polymer feed to drying beds in Sludge Press Building (CO# 28)
- ** 11. Install cabinetry and countertops in the control building (CO#27)
- * 12. Complete site paving.
- * 13. Complete general site restoration.

14. Provide crane and install crane mounts on plant drain lift station and main lift station.

- ** 15. Certificate of Occupancy & Use for Headwork's Building Control Building.

- | | |
|----|--|
| | 16. Repair leak around PVC sewer vent in sludge press building. |
| | 17. Install water meter in sludge press building. |
| | 18. Install caps on conduits for plant drain lift station – completed 12/6/2018 |
| ** | 19. Anchor HVAC unit down outside Control Building (CO # 18) |
| | 20. Raise Windstream line to Control Building. |
| | 21. Complete lighting in Headwork’s Building – completed 12/11/2018 |
| ** | 22. Finish lighting in Control Building – (CO#19) |
| | 23. Install covers and provide labeling for MCC panels in Control Building. |
| | 24. All new piping and existing piping to remain shall be cleaned and painted, remove/cut off unused piping. |
| ** | 25. Paint ceiling and walls in Control Building. |
| * | 26. Install landscaping edging around RBC blowers. |
| * | 27. Contract closeout documents: |
| | <ul style="list-style-type: none"> a. Evidence of insurance coverage at least through warranty period b. Consent of surety to final payment. c. Release of liens. |
| | 28. Provide as-built drawings. |
| | 29. Provide performance evaluation for sludge press |
| | 30. Provide spare parts and special tools as indicated in the contract for both new sludge pumps. |
| | 31. Provide spare sheaves for sludge tank blowers for operation at 75% air capacity. |
| | 32. Provide documentation for compliance with PA, Steel Products. |
| | 33. Complete installation of new control panel in Control Building and all associated functionality. |
| | 34. Demobilize field office and storage facilities; general cleanup. |

Attorney Bax:

The Project Management Plan for Project Number 25060021707-CS and Loan Number 75327 was reviewed we are on target for the end of construction for 12/31/2018. Our request for Final Payment for the Project Close-Out is 07/01/2019 and the Imitate of Principal and Interest Payment will start on 10/1/2019.

The underwriter review concluded per 11/29/2018 email memo from James Laughlin of HUB Insurance. Hub’s delayed response renders Builders risk coverage unnecessary due to substantial completion of the WWTP Upgrade Project. The information received from them will assist in the total asset value of the plant.

Next meeting: January 8th, 2019