

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY
MEETING MINUTES
OCTOBER 9, 2018**

CALL TO ORDER

The chairperson called the meeting to order at 6:36 PM. Those assembled saluted the flag and the chairperson read the open public meeting statement in accordance with the law.

ROLL CALL

Present: Baldassare, Carpenter, Gaziano

Absent: Malay, Pavlini

Also Present: Director Timko, Superintendent Raymond, Mott MacDonald
Wohlleb

All in favor; motion carried.

CLOSED SESSION – RESOLUTION #1871

Motion Baldassare, second Gaziano to temporarily adjourn to closed session at 6:37 PM.

All in favor; motion carried.

Motion Baldassare, second Gaziano to resume in open session at 6:43 PM.

All in favor; motion carried.

APPROVAL OF MINUTES

Motion by Gaziano, second Baldassare to approve the Regular Meeting Minutes of September 11, 2018.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Abstain:

Motion Carried

Motion by Gaziano, second Baldassare to approve the Closed Meeting Minutes of September 11, 2018.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Abstain:

Motion Carried

CORRESPONDENCE

None

PUBLIC COMMENT

None

ACTION/DISCUSSION ITEMS

a. Discussion – Belardo connection fee law

Tabled until November 20, 2018 meeting.

b. Discussion – Raymond chemical usage study

Study to review plants performance and use of chemicals for ways of reducing costs associated with the use of alum and caustic. Given 4 years of plant data on phosphorus removal, alum use and caustic use. Four recommendations were given:

- 1.) On-line analyzers - Costly, not accepted by DEP and high maintenance.
- 2.) Alternate chemical (alum derivative) - Costly, cumbersome, adverse affect.
- 3.) Relocate distribution piping for alum feed - Angle piping in toward waterfalls where it would break it up and mix better. The plant did that on each ditch.
- 4.) Purchase non official ortho phosphorus test kit which is a lesser test – Able to test more frequently and start a record. Looking to achieve a monthly average.

The plant is using recommendations 3 and 4. The lab is figuring out how it collates with what goes out and establish that relationship and be able to adjust the alum and the caustic accordingly.

c. Resolution #1872 – Interim Paying of Bills by CFO

Motion by Gaziano, second Baldassare to approve Resolution #1872.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Motion Carried

d. Resolution #1873 – J. Belardo legal services CO #1 - \$12,000.00

Motion by Baldassare, second Gaziano to approve Resolution #1873 in the amount of \$12,000.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Motion Carried

e. Resolution #1874-CO #1, #2, #3 Dulaine Madisonville Phase II - \$55,076.91

Motion by Baldassare, second Gaziano to approve Resolution #1874 in the amount of \$55,076.91.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Motion Carried

f. Resolution #1875 – DeMaio Electrical claim release Stonehouse PS - \$48,255

Motion by Baldassare, second Gaziano to approve Resolution #1875 in the amount of \$48,255.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Motion Carried

g. Resolution # 1876 – CO #4 Suburban Madisonville - \$7,586

Motion by Baldassare, second Gaziano to approve Resolution #1876 in the amount of \$7,586.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Motion Carried

h. Discussion – Sludge Specs

Contract started in 2017 and it is a 5-year contract but has to be renewed every year. We want to change the specs and re-bid before February renewal. Change the specs to bill the landfill separately from the trucking, have dual landfills and two haulers so we always have backup and control.

10. Consulting Engineers Report

BTSA ENGINEER'S REPORT October 9,2018 Meeting

DEVELOPER PROJECTS:

No Updates

AUTHORITY PROJECTS:

Monarch Circle / Crown Court Pump Station

BTSA and Mott MacDonald facilitated a punchlist inspection/testing day during equipment training for BTSA operators that was scheduled by the Contractor. This process provided for a number of punchlist items to be addressed. An updated punchlist was sent to the Contractor for his final completion.

Harrison Brook STP-RAS/WAS Rehabilitation

The contractor is near completion of the RAS improvements and will be moving on to the WAS improvements slightly behind schedule. The contractor is currently updating his schedule to see how he can maintain a final completion date on time.

Harrison Brook STP-1M Belt Filter Press Building Demolition

BTSA and Mott MacDonald have advised the Contractor on multiple occasions to complete the electrical work that is remaining. We have been advised the contractor intends on completing the work but we have not been advised of a schedule.

Harrison Brook STP Sludge Hauling

We await authorization to proceed with this study

October 4, 2018

11. Operators Report

October 2018 Meeting September 2018 Report

FLOWS

Total Flow	59,171,000	Gallons
Average Flow	1,972,000	Gallons
Maximum Flow	4,876,000	Gallons
Minimum Flow	1,217,000	Gallons

OPERATION

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1193	Kg	
Effluent	22	Kg	280 Kg/Day
Net	1171	Kg	97.0 % Removed 85%
Suspended Solids in Effluent	2.35	Mg/l	30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	693	Kg	
Effluent	15	Kg	75.7 Kg/Day
Net	678	Kg	97.0 % Removed 85%
CBOD in Effluent	2.08	Mg/l	8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	21	Kg	
Effluent	1.12	Kg	
Phosphorus in Effluent	0.13	Mg/l	0.76 Mg/l

Remarks

Hypochlorite Used: 987 Gals. Sulfur Dioxide Used: 698 Lbs. Alum Used: 5,820 Gals.

Caustic Used: 206 Gals. Total Precipitation 6.94 Inches.

Comments

Routine work and samples completed. Ran gens at pump stations and plant. Checked drives, tanks, gens and vehicles. Checked all syphons, checked Barons and checked Jamestown Rd., Changed carbon E. Oak, Juniper way, Fieldstone and MVR, exercised valves at pump stations, exercised sluice gates and valves at plant, pumped out meter pit at Madisonville Rd., T Slack serviced UST's at plant, mulched plant and stations, grease trap inspections, changed belts on Dig blower #3, cleaned probes at stations, cleaned wet wells at stations, back flow preventer testing (all passed).

TV inspection:

None (staff occupied with other work or shorthanded)

Jettied:

None (staff occupied with other work or shorthanded)

Manhole inspections:

None (staff occupied with other work or shorthanded)

Customer Service:

Investigated alarm at town farm off King George Rd. This is an E-One sealed system and is the Responsibility of the DPW. George from DPW was on site and we provided the service # for it.

SAFETY

See attached report submitted by Brian Thornton Safety Coordinator.

PROJECTS

Old Press Bldg. Demo.: On 9/6/18 Nancy from MM sent another letter to Joe from ISG encouraging him to finish the project ASAP and to remind him that liquidated damages could be implemented. Roy from MM spoke with the contractor on 9/20/18 and was told that all electrical

work will be completed by 10/5/18 and the rest of the work will be completed the following week.

Caustic Chemical System Upgrade: Doors need to be keyed to our key style. Fill port has lowered to meet specs. Gallon tape has been installed. Demo of old equipment has been completed. Old caustic tank has been removed and cleaned out and is awaiting pick up from Main Pool and Chemical. Nails and screws spewed about work site need to be removed. Jack Fowler notified contractor. Loading dock and steps complete. Contractor discussed solution for overhead door insulation issue with consultant. Contractor will use leftover insulation from building siding to cover areas on the door tracks and will add weather stripping to the top of the door. This seems to be the best way to approach the issue.

RAS/WAS: RAS #1 and #2 have been successfully tested and are running. Bypass pumping has been switched over to O2D #2. RAS #3 has been removed. They hope to have RAS #3 up and running the week of 10/8/18.

Madisonville force main phase II: Pigging chamber fully installed at the station on 9/22/18 all went well. Collections system Forman was on site throughout the process. Contractor has restored the area at the pump station. Future construction schedule is as follows: 10/3/18, contractor attempted installation of 1st launching/receiving manhole but hit a 1 inch water main that the water company did not properly mark out. The remainder of the night was spent waiting for NJ American Water Company to repair the break. The new construction schedule is as follows: 10/4/18, contractor will install 1st launching/receiving manhole, 10/10/18 installation of 2nd launching/receiving manhole, The Installation of the investigative test pit is dependent on the subcontractor schedule. Jetting and cleaning scheduled for 10/26/18.

Monarch Circle: MM submitted a punch list to the Contractor On 8/23/18. Contractor and MM working on underground storage tank compliance, soil remediation completed 8/28/18. Contractor submitted an updated punch list to Nancy at MM. Contractor provided 4 copies of the Generator and transfer switch O&M manuals as well as the man hoist on 9/19/18. Contractor along with Pumping Services conducted training on 9/26/18. MM representatives were on site to go over punch list with pumping services and contractor.

Cyber Security: Contractor has not been back to the site since Equipment installation at the plant on 8/14/18. He originally hoped to integrate the cell routers and to have everything up and running by September 7th. Rich Umbrino from MM sent contractor an email on 9/7/18 requesting project update. Contractor stated that he was waiting for information from Chris from ITS to be able to complete his installation. Chris from ITS emailed Lomello all the information he had AGAIN while on vacation in Poland. This is the third time he has sent all pertinent information to him. Lomello said he plans to be back at BTSA the week of Oct. 8.

Plant Generator Phase 2: Purchase order received from purchasing agent. I e-mailed Joe Ragland on 9/19/18 and requested an approximate start date. Joe Ragland is scheduled to come in and take photos on 9/29/18 to begin prep for the control job. Norsal submitted quotation for breaker servicing and spare breaker purchase. M&L Power was on site 10/4/18 at 11:00am to prepare a quote as well.

September 2018 Monthly Safety Report

- Monthly safety inspections were completed.
- Conducted weekly storm drain inspections.
- Completed all monthly checks on fire extinguishers, lights, emergency lighting, exit signs, emergency showers and eye wash stations.
- State inspection on Under Ground Storage Tanks, plant personal in the process of correcting deficiencies.
- Some personal attended The Fall Technology Transfer Seminar.
- Some personal attended training by Pumping Services at Crown Ct. pump station.
- Lost time no accidents 212 days (Plus September 30 days).

East Oak St. Dry Well Flood

At 6pm on 9/27/18 Johnny informed me that E. Oak St. pump station dry well was flooded with approx. 5 to 6 feet of sewerage. He stated that sewerage appeared to be raining down from the ceiling of the dry well. Johnny, Alex, Chris P were dispatched, I also responded. Paul and Mark were brought in as relief at 11pm. Our Godwin 6" pump was put in place to bypass the pump station.

We attempted to pump out the dry well with the Jet truck but determined it would take too long. We utilized our 3" pump to pump down the wet well making room so the sump pumps could do the job.

After inspection, we discovered that an old 1" copper drain line running out of the top of the pump header had ruptured causing the flood. This pipe would have to be removed and the hole capped.

We attempted to remove the 1" line but were unsuccessful. We were also afraid we would damage the pipe header. I called in pumping services to make the repair. Also, due to high flows at the plant from earlier in the week and pending torrential rain that night, I also requested they bring a rental 6" diesel pump to place at O2D#2 since our Godwin was committed to E. Oak St. We cannot risk overflow at the oxidation ditches. At 0750 our flow reached 7mgd and both O2D pumps were put into operation. Pumping services was able to remove the ruptured line but were unable to make the repair because they did not have a 10" pipe clamp.

We called McMaster Carr and ordered a medium pressure 10" pipe clamp and sent Paul down first thing in the morning to pick it up. We checked with pumping services to make sure a medium pressure clamp would be sufficient and they said it would be more than enough. Johnny prepared the area of the header and attached the clamp.

The clamp worked. We are off of bypass and back to normal operation. All staff involved performed exceptionally well. I was very pleased.

Bob Raymond

12. Resolution #1877 – Approval of Bill List Dated: October 9, 2018 - \$499,307.08

Motion by Baldassare, second Gaziano to approve Resolution #1863 Bill List Dated October 9, 2018 - **\$499,307.08**

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano

Nay:

Motion Carried

13. Member/Staff Comments

None

14. ADJOURNMENT

Motion by Baldassare, second Gaziano, to adjourn at 7:10 pm.

All in flavor; motion carried.

Respectfully submitted,

Susan Long