

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY  
MEETING MINUTES  
AUGUST 14, 2018**

**CALL TO ORDER**

The chairperson called the meeting to order at 6:30 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 (arrived 6:33 PM), Malay, Pavlini

**Absent:**

**Also Present:** Director Timko, Attorney John Belardo, Superintendent Raymond, Mott MacDonald Polednik

**CLOSED SESSION – RESOLUTION #1853**

Motion Pavlini, second Malay to temporarily adjourn to closed session at 6:32 PM.

**All in favor; motion carried.**

Motion Pavlini, second Malay to resume in open session at 6:35 PM.

**All in favor; motion carried.**

**APPROVAL OF MINUTES**

Motion by Pavlini, second Malay to approve the Regular Meeting Minutes of July 10, 2018.

**ROLL CALL**

**Aye:** Carpenter, Malay, Pavlini

**Nay:**

**Abstain:** Baldassare, Gaziano

**All in favor; motion carried.**

**CORRESPONDENCE**

None

**PUBLIC COMMENT**

None

**ACTION/DISCUSSION ITEMS**

**a. Resolution #1854–Personnel Handbook Adoption**

Motion by Malay, second Pavlini to approve Resolution #1854.

**ROLL CALL**

**Aye:** Baldassare, Carpenter, Gaziano, Malay, Pavlini

**Nay:**

**Abstain:**

**Motion Carried**

**b. Resolution #1855–Unused Vacation Time Chris Lalicato**

Motion by Baldassare, second Gaziano to approve Resolution #1855.

**ROLL CALL**

**Aye:** Baldassare, Carpenter, Gaziano, Malay, Pavlini

**Nay:**

**Motion Carried**

**c. Resolution #1856-Caustic CO #1 Raymond Electric-\$6,350.00**

Motion by Malay, second Pavlini to table Resolution #1856 until the 9/11/2018 meeting.

**ROLL CALL**

**Aye:** Baldassare, Carpenter, Gaziano, Malay, Pavlini

**Nay:**

**Motion Carried**

**d. Draft Budget**

Timko stated it's the same operating budget as last year with a few increases including an estimated 7% increase in health benefits. Our MEL is issuing new rules for cyber security possibly this fall which will require our compliance. No money was taken out of surplus last year due to the deferment of the clarifier project; approximately \$700,000 rate stabilization from the surplus is forecast for 2019. A comparison of the total proposed 2019 budget to the total 2017 budget was discussed since 2018 had no rate stabilization.

**e. Resolution #1857-CO #2 Mott MacDonald Time Extension 2015 Sewer Rehab Project**

Motion by Pavlini, second Gaziano to approve Resolution #1857.

**All in favor; motion carried**

**f. Resolution #1858 –CO #2 Mott MacDonald Time Extension RAS/WAS Project**

Motion by Pavlini, second Gaziano to approve Resolution #1858.

**All in favor; motion carried**

**g. Resolution # 1859 – CO #3 Mott MacDonald Time Extension Monarch Circle**

Motion by Gaziano, second Malay to approve Resolution #1859.

**All in favor; motion carried**

**h. Resolution # 1860 – CO #4 Mott MacDonald Time Extension Stonehouse Road PS**

Motion by Gaziano, second Baldassare to approve Resolution #1860.

**All in favor; motion carried**

**i. Resolution #1861 – CO #6 Mott MacDonald Time Extension Oxidation Ditch Aerators Project**

Motion by Gaziano, second Malay to approve Resolution #1861.

**All in favor; motion carried**

**j. Discussion – Passaic River Basin Alliance Update- DEP Nitrates**

Raymond provided background on the Alliance and the model they used to satisfy the state regulations for phosphorous in water. The NJDEP is now regulating nitrates at the plants because nitrates are a human health issue. Essentially, they want to impose drinking water nitrate standards to wastewater lowering the standard to 10 or below. The Alliance is using the phosphorous model to produce our own nitrate study. Our nitrates average below 10 98% of the

time and are currently between 4 and 5, so this should be a non-issue for our 2020 permit. However, this being a human health issue, the DEP may decide to impose stricter limits regardless of individual plant performance.

**k. Resolution #1862 – Personnel Appointment – Brian Thornton Safety Coordinator**  
Motion by Baldassare, second Malay to approve Resolution #1862.

**ROLL CALL**

**Aye:** Baldassare, Carpenter, Gaziano, Malay, Pavlini

**Nay:**

**Motion Carried**

**10. Consulting Engineers Report**

**BTSA ENGINEER'S  
REPORT**

August 14, 2018 Meeting

**DEVELOPER PROJECTS:**

No Updates

**AUTHORITY PROJECTS:**

**Monarch Circle / Crown Court Pump Station**

Electrical inspection was completed on July 19, 2018 and an electrical punch list was submitted to Beaver Electric. The contractor has enlisted the services of an LSRP to complete the documentation required for the fuel storage tank removal. Mott MacDonald is preparing a final punch list for Beaver Electric which will include a breakdown of the numerous documents that are still outstanding.

**Harrison Brook STP-RAS/WAS Rehabilitation**

Construction is underway. Recent periods of heavy rain have slightly delayed progress.

**Harrison Brook STP-1M Belt Filter Press Building Demolition**

Concrete work has been completed. Contractor is mobilizing his electrical subcontractor to complete the electrical work.

**Stonehouse Road Pump Station**

Mediation has been scheduled on August 28, 2018 in an effort to resolve the outstanding claim that was submitted by DeMaio Electric.

August 8, 2018

**11. Operators Report**

**OPERATOR'S REPORT  
July 2018 Report**

**FLOWS**

Total Flow	44,040,000	Gallons
Average Flow	1,421,000	Gallons

Maximum Flow	2,436,000	Gallons
Minimum Flow	979,000	Gallons

**OPERATION**

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1012	Kg	
Effluent	19	Kg	280 Kg/Day
Net	993	Kg	98.0 % Removed 85%
Suspended Solids in Effluent	3.56	Mg/l	30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	570	Kg	
Effluent	19	Kg	75.7 Kg/Day
Net	551	Kg	95.0 % Removed 85%
CBOD in Effluent	3.40	Mg/l	8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	21	Kg	
Effluent	1.17	Kg	
Phosphorus in Effluent	0.20	Mg/l	0.76 Mg/l

**Remarks**

Hypochlorite Used: 873 Gals. Sulfur Dioxide Used: 699 Lbs. Alum Used: 6,060 Gals.  
Caustic Used: 387 Gals. Total Precipitation 5.19 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.
- Fallon electric started running electric to pole barn.
- Vanguard on site for solar repairs.
- Removed water plants from lagoons.
- Restocked lagoons with grass carp.
- Pulled and cleaned muncher at fieldstone (**repair performed by plant personnel saving BTSA approx. \$800.00**)
- Repaired lab air conditioning
- Replaced right side trans belt on bobcat mower.
- Adjusted motor saver settings at Valley Rd.
- Conducted plant tour for the Rotary club and John Carpenter.
- Replaced steering piston on belt press (**repair performed by plant personnel saving BTSA approx. \$1,000.00**)

**TV inspection:**

Storm Sewer at 148 Childs Rd.

**Jetted:**

- Pumped out septic tanks at Mountain Park.
- Flushed Fieldstone force main, Penwood Dr., Manor Dr., Knollcroft Rd., Addison Dr., Warwick Ln., Linden Dr., Dryden Rd., Goltra Dr., Valley Rd. syphon

**Manhole inspections:** None

**Customer Service:** # 45 Summit Dr. possible main blockage (home owners issue),

**SAFETY:** See attached report submitted by Chris Lalicato Safety Coordinator. Chris Lalicato handed in his resignation from the township this month. We are in the process of reassigning the safety director duties and hiring a new employee.

**PROJECTS**

**Old Press Bldg. Demo.:** Electric panel delivered and sidewalk and pad poured.

**Caustic Chemical System Upgrade:** Pump manifold installed and caustic delivered. Pumps successfully tested.

**RAS/WAS:** All equipment has been delivered and bypass pumps successfully tested. Bypass and work to begin first week of August.

**Madisonville force main phase II:** Pre con meeting scheduled for 7/31/18

**Monarch Circle:** Security camera installed. Door installed. Contractor working on Electrical punch list and UST compliance.

**Plant Paving:** Contractor to work on punch list.

**Cyber Security:** New equipment install scheduled for 8/13/18.

**Crown Ct force main cleaning:** Pigging completed on 7/18/18. Pump efficiency increased approx.

**July 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.
- Lost time no accidents 150 days (Plus July 31 days).

**12. Resolution #1863 – Approval of Bill List Dated: August 14, 2018 - \$580,589.72**

Motion by Malay, second Gaziano to approve Resolution #1863 Bill List Dated August 14, 2018 - \$580,589.72

**ROLL CALL**

**Aye:** Baldassare, Carpenter, Gaziano, Malay, Pavlini

**Nay:**

**Motion Carried**

**13. Member/Staff Comments**

- Testing with Verizon Wireless at 2 pump stations to wirelessly transmit. Testing will last a couple of months.
- Cyber security changes with JIF/MEL
- Solar field is having issues. Production is at half, keeps shutting off. Vanguard is looking into it.
- Michael Flett will be attendance at the September meeting.

**14. ADJOURNMENT**

Motion by Pavlini, second Gaziano, to adjourn at 7:05 pm.

**All in favor; motion carried.**

Respectfully submitted,

Susan Long