

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY
MEETING MINUTES
SEPTEMBER 15, 2020**

CALL TO ORDER

The chairperson called the meeting to order at 6:33 PM. Those assembled saluted the flag and the chairperson read the open public meeting statement in accordance with the law.

ROLL CALL

Present: Esposito, Fields, Harris, Orr

Absent: Pavlini

Also Present: Director Timko, Attorney John Belardo, Superintendent Raymond

APPROVAL OF MINUTES

Motion by Fields, second Harris to approve the Regular Meeting Minutes of August 11, 2020.

All in favor; motion carried.

CORRESPONDENCE

Copper Kettle request for sewer relief 8.12.20

PUBLIC COMMENT

None

ACTION/DISCUSSION ITEMS

a. Resolution #2061 2021 Budget Introduction

Motion by Harris, second Fields to approve Resolution #2061.

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

b. Resolution #2062 NJUA JIF Renewal

Motion by Harris, second Esposito to approve Resolution #2062.

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

c. Resolution #2063 LCB Senior Living TWA

Motion by Fields, second Harris to approve Resolution #2063.

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

d. Resolution #2064 Award SREC contract PSEG Energy Resources & Trade LLC

Motion by Harris, second Esposito to approve Resolution #2064.

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

e. Resolution #2065 2018 Collection System Repairs Suburban CO #4 \$2,346.00

Motion by Esposito, second Fields to approve Resolution #2065.

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

f. Resolution #2066 P2P Xylem Dewatering Solutions

Motion by Harris, second Esposito to approve Resolution #2066.

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

g. Discussion – Sewer fee relief

Belardo stated we have to be uniform with respect to all rate payers and we can't pick and choose which ones get relief. Timko looked into this and based on our billing methods it's not feasible. Our system is based on flat rates and commercial buildings are also based on square footage. There is no fair or easy way to come up with relief. Orr stated the board has its hands tied legally with regards to grant the request for relief.

h. Discussion – Electric car charging station

Requesting \$13,000 for a charging station at the Engineering Services building for the new electric car that is assigned to Timko. The car charging station costs \$19,000 and the Township received a \$6,000 grant. It charges two cars at once and the public can also use it. The town was going to install two chargers but because of Covid's impact to the economy and related Township budget concerns they only installed one. The Sewerage Authority has money left in their budget to cover the cost. Timko directed to get more information and discuss at the next meeting.

OPERATORS REPORT

August 2020 Report

| FLOWS | | |
|--------------|------------|---------|
| Total Flow | 43,044,000 | Gallons |
| Average Flow | 1,389,000 | Gallons |
| Maximum Flow | 3,268,000 | Gallons |
| Minimum Flow | 984,000 | Gallons |

Operation

| <u>Suspended Solids</u> | <u>Dry Weight</u> | <u>NJDEP Limit</u> |
|-------------------------|-------------------|--------------------|
| Influent | 1960 Kg | |

| | | | |
|------------------------------|----------|----------------|------------|
| Effluent | 68 Kg | | 280 Kg/Day |
| Net | 1892 Kg | 96.0 % Removed | 85% |
| Suspended Solids in Effluent | 9.0 Mg/l | | 30 Mg/l |

| | | | |
|------------------|-------------------|----------------|--------------------|
| <u>CBOD</u> | <u>Dry Weight</u> | | <u>NJDEP Limit</u> |
| Influent | 627 Kg | | |
| Effluent | 24 Kg | | 75.7 Kg/Day |
| Net | 603 Kg | 94.0 % Removed | 85% |
| CBOD in Effluent | 3.0 Mg/l | | 8 Mg/l |

| | | | |
|------------------------|-------------------|--|--------------------|
| <u>Phosphorus</u> | <u>Dry Weight</u> | | <u>NJDEP Limit</u> |
| Influent | 21 Kg | | |
| Effluent | 1.53 Kg | | |
| Phosphorus in Effluent | 0.23 Mg/l | | 0.76 Mg/l |

Remarks

Hypochlorite Used: 843 Gals. Sulfur Dioxide Used: 700 Lbs. Alum Used: 5680 Gals.
Caustic Used: 0 Gals. Total Precipitation 4.88 Inches. Effluent reuse 7.695mg

Comments

Routine work and samples completed. Ran gens at pump stations and plant. Checked Pleasant Valley Pump Stations (**requested by DEP enforcement agent**), BRI run, Checked drives, tanks, gens and vehicles. Checked all syphons, checked Barons and checked Jamestown Rd., changed carbon E. Oak, Juniper way, Fieldstone and MVR, flushed fieldstone force main, exercised valves at pump stations, exercised sluice gates and valves at plant, cleaned probes at stations, landscape stations, repaired service water screens, grease trap inspections, cleaned wet wells, repaired fuel leak on Rebel Hill Gen, Cues replaced pig tail on TV, unclogged check valves at Crown Ct, pulled and unclogged comminutor at Crown Ct, plant oil changes, excavate broken lawn hydrant at FST #1, replaced lagoon aerator #5 mooring cables, Replaced hr. meter on #2 pump at Stone House (**repair performed in house saving the authority approx. \$800.**), replaced comminutor at Crown Ct pump station and installed spare (**performed in house saving the authority approx.. \$1800**).

On August 4th, 2020, Tropical storm Isaias hit New Jersey producing hurricane force winds and dropped 2.10 inches of rain in our area in less than 24 hours. A state of emergency was declared by the Governor.

The intensity of the rain caused increased flows at the treatment plant. Fortunately, Due to a very dry summer and extremely low flows for several months, this increase did not adversely affect the treatment plant. However, the intensity of the winds resulted in power failures at every pump station. All emergency generators functioned properly and there was no interruption of service to the collection system.

By Thursday 8/6/2020, city power had been restored to all but two pump stations. Rebel Hill and Fieldstone stations remained on generator power. On 8/8/2020 city power was restored to Fieldstone and on 8/9/2020 city power was restored to Rebel Hill. Operators stayed on duty throughout the event to monitor and maintain the stations and generators.

At the request of our NJDEP enforcement agent Mr. Doug Speeney, The NJDEP hotline was notified when the last two statins came back on to city power and was logged in by operator #98,

case #20-08-80-0828-32. Normally, we are not required to report power failures to the hot line, but this was a special request by Mr. Speeney.

TV inspection:

Spencer DR, Cayuga Way, Blackburn Rd, Charter Ct

Jetted:

Sewer lines feeding into Crown CT. pump station.

Manhole inspections:

None

Customer Service:

None requested

Safety

See attached report submitted by Brian Thornton

Projects

RAS/WAS: Coppola on site 8/26/2020 working on remaining punch list. Coppola's plumber on site 8/27/2020 to install 3way valve on building's roof HVAC system.

Plant Generator Phase 2: Reuter Hanney on site at 8am 8/20/2020 for data collection. BTSA sent requested ETC documents to Kevin Wong from Reuter Hanney.

Plant Office Computer Upgrade: Emailed Adam Girdner for updates on 7/24/2020. He said that Lomelo needs to complete their work before he can continue.

Security communication upgrade: On 8/18/2020 Albert said that they received the SIM cards, and switches were ready to go. He said that Lomelo and MM were negotiating contracts and once that was resolved they could proceed.

East Oak St. force main Rehab. Night work postponed until the week of 9/8/2020. Johnny will be on site throughout the job.

Smoke Testing: Preliminary engineers estimates for the Crown Court & Rebel Hill rehabilitation identified following the smoke testing & CCTV inspections submitted by Suburban Consulting.

Raw Sewerage wet well piping: Wet well piping project added to the 2021 draft budget.

July Operational Information

| <u>Suspended Solids</u> | <u>Dry Weight</u> | | | <u>NJDEP Limit</u> |
|------------------------------|-------------------|------|----------------|--------------------|
| Influent | 1677 | Kg | | |
| Effluent | 48 | Kg | | 280 Kg/Day |
| Net | 1629 | Kg | 95.0 % Removed | 85% |
| Suspended Solids in Effluent | 10.0 | Mg/l | | 30 Mg/l |

| <u>CBOD</u> | <u>Dry Weight</u> | | <u>NJDEP Limit</u> |
|------------------|-------------------|----------------|--------------------|
| Influent | 434 Kg | | |
| Effluent | 6.0 Kg | | 75.7 Kg/Day |
| Net | 428 Kg | 98.0 % Removed | 85% |
| CBOD in Effluent | 1.0 Mg/l | | 8 Mg/l |

| <u>Phosphorus</u> | <u>Dry Weight</u> | | <u>NJDEP Limit</u> |
|------------------------|-------------------|--|--------------------|
| Influent | 14 Kg | | |
| Effluent | 0.93 Kg | | |
| Phosphorus in Effluent | 0.20 Mg/l | | 0.76 Mg/l |

August 2020 Monthly Safety Report

Continued following implemented COVID-19 precautions, limited contact, use of facemasks, increased hygiene practices, social distancing, sign-in sheet for visitors and deliveries. We are back at full staff maintaining COVID-19 safeguards.

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.

Exercised plant gens and valves.

The staff completed some of the annual online safety courses.

Cleaned East Oak wet well.

Reuter Hanney started their data collection of the transfer gear contract.

Coppola was here finishing up work on the FST.

Jon Langel was out on workers comp from multiple stings on the hands from hornets. Lost time no accidents 0 days (Plus July 31 days).

CONSULTING ENGINEERS REPORT

Developer Projects:

Bernards Plaza/Dewey Meadow Village Redevelopment

No Updates

LCB Senior Living Mount Airy Road

MM has reviewed the revised TWA submittal and recommends endorsement by the Authority.

Mountainview

MM is currently reviewing the TWA resubmission provided by the Developer.

Fenwick Place Subdivision

The developer is currently clearing the site for construction. The developer was reminded that they are to provide shop drawings to MM for review prior to the construction of the onsite sewer system. To date nothing has been received.

Authority Projects:**Harrison Brook STP-RAS/WAS Rehabilitation**

The new PLC Controller for the HVAC equipment has been installed. There are some minor items that need to be addressed by the Contractor, once addressed a final inspection can be performed and the project will be completed.

Harrison Brook STP - Main Switchgear Repairs

The Contractor has conducted some initial investigations at the treatment plant in order to obtain measurements that are needed for the required breaker retrofit and for verification of existing equipment and circuitry.

NJPDES Permit Renewal Harrison Brook STP

BTSA has received from DEP's Permit Administration Section a letter dated August 20, 2020 stating that Permit Renewal Application due at the beginning of January 2020 has not been received. In response, Mott MacDonald forwarded to the DEP's email address stated in that letter a copy of the email correspondence from December 18, 2019 which included the application itself. On 9/3/2020 BTSA received email from Corinne Smith, Permit Administrative Review Unit stating that the permit renewal application has been deemed administratively complete. TBSA should expect a preliminary draft permit renewal from DEP within the next couple months.

RESOLUTION #2067 – Approval of Bill List Dated: September 15, 2020 - \$222,708.68

Motion by Harris, second Fields to approve Resolution #2067 Bill List Dated September 15, 2020 - \$222,708.68

ROLL CALL

Aye: Esposito, Fields, Harris, Orr

Nay:

Motion Carried

MEMBER/STAFF COMMENTS

None

ADJOURNMENT

Motion by Harris, second Fields, to adjourn at 7:11 pm.

All in flavor; motion carried.

Respectfully submitted,

Susan Long