

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY  
MEETING MINUTES  
MAY 11, 2021**

**1. 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.

**2. ROLL CALL**

**Present:** Bannan, Crane (by phone), Esposito, Fields (arrived 6:34), Orr

**Absent:**

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

**3. RESOLUTION #2127-Closed Session-Professional contracts**

Motion by Esposito, second Harris to go into closed session at 6:34 pm.

**All in favor; motion carried.**

Motion by Esposito second Fields, to return to open session at 6:50 pm.

**All in favor; motion carried.**

**4. APPROVAL OF MINUTES**

Motion by Esposito, second Bannan to approve the Regular Meeting Minutes of March 9, 2021.

Orr abstained

**All in favor; motion carried.**

Motion by Fields, second Esposito to approve the Closed Meeting Minutes of March 9, 2021.

Orr abstained

**All in favor; motion carried.**

**5. CORRESPONDENCE**

1<sup>st</sup> Quarter Flow Report-Flows were higher this quarter because of all the snow melt.

**6. PUBLIC COMMENT**

None

**7. ACTION/DISCUSSION ITEMS**

**a. Resolution #2128 Beaver Electric Monarch Circle PS CO #2 and Final**

Motion by Bannan, second Crane to approve Resolution #2128.

**ROLL CALL**

**Aye:** Bannan, Crane, Esposito, Fields, Orr

**Nay:**

**Motion Carried**

**b. Resolution #2129 Authority Attorney John Belardo contract time extension**

Motion by Esposito, second Fields to approve Resolution #2129.

**ROLL CALL**

**Aye:** Bannan, Crane, Esposito, Fields, Orr

**Nay:**

**Motion Carried**

**c. Resolution #2130 Conflict Attorney Stephen Davis contract time extension**

Motion by Esposito, second Bannan to approve Resolution #2130.

**ROLL CALL**

**Aye:** Bannan, Crane, Esposito, Fields, Orr

**Nay:**

**Motion Carried**

**d. Resolution #2131 Labor Attorney Richard Flaum contract time extension**

Motion by Esposito, second Bannan to approve Resolution #2131.

**ROLL CALL**

**Aye:** Bannan, Crane, Esposito, Fields, Orr

**Nay:**

**Motion Carried**

**e. Resolution #2132 Garden State Laboratories P2P**

Motion by Fields, second Bannan to approve Resolution #2132.

**ROLL CALL**

**Aye:** Bannan, Crane, Esposito, Fields, Orr

**Nay:**

**Motion Carried**

**8. CONSULTING ENGINEERS REPORT**

**April 2021**

**Developer Projects:**

**Bernards Plaza/Dewey Meadow Village Redevelopment**

Shop drawings were reviewed in anticipation of construction starting later in April.

**LCB Senior Living Mount Airy Road**

No update.

**Mountainview**

No updates.

**Fenwick Place Subdivision**

Sewer connections for the proposed pool houses were constructed. Certain testing

**Authority Projects:**

**Harrison Brook STP - Main Switchgear Repairs**

Remaining breaker work is proceeding with startup scheduled for the end of the month.

**NJPDES Permit Renewal Harrison Brook STP**

No Updates.

**May 2021**

**Developer Projects:**

**Bernards Plaza/Dewey Meadow Village Redevelopment**

Sewage forcemain construction started the last week in April. The Contractor is approximately 75% complete with the installation as of the date of this report. We anticipate completion of the construction and main hydrostatic testing the week of May 10<sup>th</sup>.

Miscellaneous finishes at the pump station site will be completed thereafter.

### **LCB Senior Living Mount Airy Road**

An estimate for construction for the developer to prepare bond documents was reviewed by Mott MacDonald.

### **Mountainview**

An estimate for construction for the developer to prepare bond documents was reviewed by Mott MacDonald.

### **Fenwick Place Subdivision (Liberty Meadow)**

Sewer lateral construction for new pool houses were installed in April. We await total completion of all open testing items and doghouse manhole finishing work. Sewer As-Builts will also need to be provided to BTSA for review.

## **AUTHORITY PROJECTS:**

### **Harrison Brook STP - Main Switchgear Repairs**

The project work is now completed. The following circuit breaker repairs (approved under Change Order#2) have been completed

- MCC1 Feed 1A CB: *The broken positioning connector was removed and replaced*
- MCC2 Feed 2A CB: *The broken finger cluster was replaced and a new one installed. The breaker was operating as intended.*
- MCC 3 Feed 3 CB: *Reuter Hanney indicated they cleaned the contacts and current carrying parts. Reuter Hanney generated a report for this work.*
- MCC 1 Feed 1 CB: *The failed auto spring charging system was tested by tripping the breaker and watching the system charge. The repaired system operated as intended.*
- MCC 3 Feed 3A CB – *The failed auto spring charging system was tested by tripping the breaker and watching the system charge. The repaired system operated as intended.*
- Starter Feed 4A CB – *The failed auto spring charging system was tested by tripping the breaker and watching the system charge. The repaired system operated as intended.*

In addition, on May 3<sup>rd</sup>, the spare 2000A frame circuit breaker for generator no.1 was successfully tested to confirm its functionality. Upon receipt of a maintenance bond and release of liens, we can process a final payment application and retainage release.

### **NJPDES Permit Renewal Harrison Brook STP**

No Updates.

## **9. OPERATORS REPORT**

### **March 2021 Report**

#### **Flows**

Total Flow	76,876,000	Gallons
Average Flow	2,480,000	Gallons
Maximum Flow	5,293,000	Gallons
Minimum Flow	1,545,000	Gallons

## **Operation**

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1600 Kg		
Effluent	48 Kg		280 Kg/Day
Net	1552 Kg	90.0 % Removed	85%
Suspended Solids in Effluent	5.0 Mg/l		30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	564 Kg		
Effluent	28 Kg		75.7 Kg/Day
Net	536 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	1.4 Kg		
Phosphorus in Effluent	0.17 Mg/l		0.76 Mg/l

## **Remarks**

Hypochlorite Used: 1,006 Gals. Sulfur Dioxide Used: 798 Lbs. Alum Used: 5780 Gals.  
Caustic Used: 724 Gals. Total Precipitation 4.75 Inches. Effluent reuse 6.201mg

## **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, marked out sewer line on lord Stirling, Cummins replaced starter and solenoid on Stonehouse Generator, back flow inspections.

## **TV inspection:**

#37 Eton.

## **Jetted:**

Riverwalk syphon.

## **Manhole inspections:**

Spring valley Blvd., installed dishes at SRPS-03-08 and SRPS-03-07, LR-19-03 to LR-15-12, Spring Valley Blvd., installed riser ring in MH SRPS-06-14, replaced MH frame and cover at #25 Briar Ln.

## **Customer Service:**

Rattling manhole cover at #3219 Valley Rd (installed elephant trunk, all ok), broken pressure sewer line at #16 Lord Stirling (NJAW put new meter and valve on top of sewer. SE Rose replaced broken section), Sewer smell ##24 Vandorn Rd (broken grinder pump lid riser), Repaired lateral for #25 Briar Ln, repaired 8" main between #49 Haas Rd.

## **SAFETY**

See attached report submitted by Matt Hutchinson Safety Coordinator.

## **PROJECTS**

**Plant Generator Phase 2:** Reuter Hanney scheduled to switch out another feeder breaker on 3/31/21.

**Plant Office Computer Upgrade:** Chris Pawlik submitted a quote for SCADA software installation. We are in the process of erasing the old computers.

**Security communication upgrade:** Albert emailed DVR specs on 3/1/21. Zoom meeting with Stetson cyber security co. held on 3/11/21.

**East Oak St. force main Rehab Phase 2:** Preconstruction meeting held at treatment plant with BTSA, Contractor and Suburban.

**Fieldstone force main:** Messercola is scheduled to begin digging test pits on 3/31/21.

**Smoke Testing/CCTV/Cleaning:** Smoke testing continues.

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

## **March 2021 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.

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

Replaced expired first aid supplies.

Got bag valve mask and mounted with AED.

Lost time no accidents 212 days (Plus March 31 days).

## **April 2021 Report**

### **Flows**

Total Flow	51,594,000	Gallons
Average Flow	1,720,000	Gallons
Maximum Flow	2,491,000	Gallons
Minimum Flow	1,358,000	Gallons

### Operation

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1891 Kg		
Effluent	30 Kg		280 Kg/Day
Net	1861 Kg	95.0 % Removed	85%
Suspended Solids in Effluent	4.0 Mg/l		30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	381 Kg		
Effluent	16 Kg		75.7 Kg/Day
Net	365 Kg	92.0 % Removed	85%
CBOD in Effluent	2.0 Mg/l		8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	20 Kg		
Effluent	2.0 Kg		
Phosphorus in Effluent	0.27 Mg/l		0.76 Mg/l

### Remarks

Hypochlorite Used: 725 Gals. Sulfur Dioxide Used: 717 Lbs. Alum Used: 5590 Gals.  
Caustic Used: 850 Gals. Total Precipitation 2.59 Inches. Effluent reuse 6.765mg

### Comments

Routine work and samples completed. Ran gens at pump stations and plant. Checked Pleasant Valley Park 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, Replaced internal workings of main plant back flow preventer (**repair performed in house by our licensed back flow inspector, saving the Authority approx. \$2000**), removed lagoon aerator motor #2 and took to NJ Electric, shut down boilers for the season, cleared blockage from Juniper Way comminutor, installed new printer in camera truck, grease trap inspections, repaired landscaping around plant from winter plowing, Marked out force main East Oak to Lewis St, DEP inspection of underground storage tanks, Marked out Crown Ct force main, Replaced check valve assembly on RSP #4 (**repair performed in house by our licensed back flow inspector, saving the Authority approx. \$1200**), repaired leaking hypo lines, T-Slack replaced over fill reset alarm box on diesel tank, Accurate Tank performed cathodic protection test.

### TV inspection:

100 feet of Fieldstone force main.

### Jetted:

Overlook Ave, Willow St, Windsor Way,

**Manhole inspections:**

Morrison St, Bullion Rd, Berkeley Cir, Carteret Trail, Everson Pl, Overlook Ave, Homlesbrook Rd, Willow St, Wexford Way, Windsor Way, Granville Way, Palmerston Pl, Bernard's Dr, Madisonville Rd, N. Maple intersection,

**Customer Service:**

Repaired cleanout cap at #98 Haas Rd, Vac out park septic tanks for DPW,

**SAFETY**

See attached report submitted by Matt Hutchinson Safety Coordinator.

**PROJECTS**

**Plant Generator Phase 2:** Reuter Hanney scheduled to be on site 5/3/21 to install final gen breaker. This will complete the generator breaker work.

**Security communication upgrade:** Spoke to Albert on the phone 4/28/21. They ordered the DVR unit 4/28/21, the same day I spoke to him. They hope to be out the week of May 3<sup>rd</sup> to test it out on the cameras. Chris Pawlik and his team along with LookFirst completed server programming. Stetson cyber group were on site 4/28-4/29 to walk through the facility.

**East Oak St. force main Rehab Phase 2:** Contractor dug test pits 4/29/21. Contractor was unable to TV through Air release valve due to the size of the camera. They will wait until they are ready to do the rest of the work to TV.

**Fieldstone force main:** Messercola dug test pits and removed samples of the force main. BTSA purchased a specialized chain flail and was able to clean 100 feet of the force main from the discharge manhole. BTSA staff will investigate ground water infiltration into the force main.

**Smoke Testing/CCTV/Cleaning:** Heavy cleaning and Smoke testing continues.

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

**APRIL 2021 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.

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.

Started safety trainings for new hire, Bill Nicholas.

Attended virtual safety meeting April 9th.

Finished, submitted, and filed 2020 RTK survey.

Received and posted pressure vessel certificates, filed expired ones.

Exercised plant gens, gates, and valves

Took down/filed OSHA 300A form 4/30

Lost time no accidents 242 days (Plus April 30 days).

**10. RESOLUTION #2133 – Approval of Bill List Dated: May 11, 2021 - \$1,444,282.51**

Motion by Esposito, second Bannan to approve Resolution #2133 Bill List Dated May 11, 2021 - \$1,444,282.51

**ROLL CALL**

**Aye:** Bannan, Crane, Esposito, Fields, Orr

**Nay:**

**Motion Carried**

**11. MEMBER/STAFF COMMENTS**

Timko stated smoke testing has been done on 19 miles of pipe and they found three million dollars' worth of work to fix. A contract for 1.5 million is to go out this summer.

Esposito stated this will be his last meeting as he is resigning.

Orr stated it has been a pleasure to serve with Esposito and wishes him all the best as do all members.

**12. ADJOURNMENT**

Motion by Fields, second Bannan, to adjourn at 7:08 pm.

**All in flavor; motion carried.**

Respectfully submitted,

Susan Long