

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY  
MEETING MINUTES  
MAY 14, 2019**

**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.

**ROLL CALL**

**Present:** Esposito, Harris, Orr (6:35), Pavlini  
**Absent:** Baldassare  
**Also Present:** Director Timko, Attorney John Belardo, Superintendent Raymond, Mott MacDonald Wohlleb, Joe Korn Crown Court

**2.) APPROVAL OF MINUTES**

Motion by Esposito, second Pavlini to approve the Regular Meeting Minutes of March 12, 2019.

**All in favor; motion carried.**

**3.) CORRESPONDENCE**

1<sup>st</sup> Quarter Flow Report

The monthly average is going above average, but the yearly is still under. If we go over, we will have to report to the DEP. Members requested more information on the description of developments in table 2 of Mott MacDonald's report.

**4.) PUBLIC COMMENT**

None

**5.) ACTION/DISCUSSION ITEMS**

**a. Resolution #1931–Crown Court Allocation Agreement**

Motion by Pavlini, second Esposito to approve Resolution #1931.

**ROLL CALL**

**Aye:** Esposito, Harris, Orr, Pavlini

**Nay:**

**Motion Carried**

**b. Resolution #1932–Priscilla's Pantry,195 Morristown Road grease trap waiver**

Motion by Pavlini, second Esposito to approve Resolution #1932.

**ROLL CALL**

**Aye:** Esposito, Harris, Orr, Pavlini

**Nay:**

**Motion Carried**

**c. Discussion – MM plant generator switchgear proposal**

Mott MacDonald's proposal is for \$30,000. MM's General Consulting contract is for \$65,000 and we have only spent \$6,000 so far this year. Timko suggested this proposal be paid out of the General Consulting contract. The Authority members approve and authorize this work.

## **6.) CONSULTING ENGINEERS REPORT**

### **April 9, 2019 Meeting**

#### **DEVELOPER PROJECTS:**

##### **Crown Court**

We are currently reviewing the developer's site plan to construct a 24-unit apartment building within the Crown Court development property.

##### **Dewey Meadows/Bernards Plaza**

We are currently reviewing the developer's site plan to construct 198-unit apartment buildings within the former A&P area of the Dewey Meadow (Bernards) Plaza property.

#### **AUTHORITY PROJECTS:**

##### **Monarch Circle / Crown Court Pump Station**

We defer update on the project closeout to the Authority Director.

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

A final startup and punchlist inspection is to be scheduled in April. Some finish well and mechanical and finish work is currently being completed. Site restoration can be completed as the growing season approaches.

##### **Harrison Brook STP Sludge Hauling**

No updates

### **May 14, 2019 Meeting**

#### **DEVELOPER PROJECTS:**

##### **Crown Court/Block 8501, Lots 7 & 9**

The proposed project will bring a 24-unit residential building to available open space in the existing Crown Court development. The allocation agreement will need to be prepared and executed between the developer and BTSA. The anticipated project flow is 5,100 gpd (20.4 EDU's).

##### **Bernards Plaza Associates, LLC, Block 8501, Lot 39 & 43**

The proposed project will bring 2 residential buildings with a total of 198-units to available replace commercial space in the existing "Dewey Meadow Shopping Center" development. The project will utilize a portion of the existing unused allocation for the property and a new allocation agreement will address the remaining need. The anticipated project flow is 42,375 gpd (169.5 EDU's).

#### **AUTHORITY PROJECTS:**

##### **Monarch Circle / Crown Court Pump Station**

We defer update on the project closeout to the Authority Director.

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

No updates. The project is close to substantial completion.

##### **Harrison Brook STP Sludge Hauling**

Revised specifications were provided to BTSA for final review.

## 7.) OPERATORS REPORT

### March 2019 Report

#### FLOWS

Total Flow	74,586,000	Gallons
Average Flow	2,406,000	Gallons
Maximum Flow	4,610,000	Gallons
Minimum Flow	1,566,000	Gallons

#### Operation

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1637	Kg	
Effluent	36	Kg	280 Kg/Day
Net	1601	Kg	85% 95.0 % Removed
Suspended Solids in Effluent	5.65	Mg/l	30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	775	Kg	
Effluent	33	Kg	75.7 Kg/Day
Net	742	Kg	85% 93.0 % Removed
CBOD in Effluent	3.5	Mg/l	8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	22	Kg	
Effluent	1.52	Kg	
Phosphorus in Effluent	0.17	Mg/l	0.76 Mg/l

#### Remarks

Hypochlorite Used: 1087 Gals. Sulfur Dioxide Used: 771 Lbs. Alum Used: 6160 Gals.  
Caustic Used: 693 Gals. Total Precipitation 4.85 Inches.

#### Comments

Routine work and samples completed. Ran gens at pump stations and plant. Checked Pleasant Valley Pump Station (**requested by DEP enforcement agent**), Checked drives, tanks, gens and vehicles. Checked all syphons, checked & jetted 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, SA Electric reran electric to storm water building, switched grit units, flushed force main at fieldstone, BRI run, inspected capping of #34 Fairview Dr E, 5 of the plant staff attended WEF technology transfer seminars in Eatontown NJ, pulled #2 at Crown Ct due to improper operation and found missing adjustment nuts on pump flush. Plant staff replaced the missing parts and the pump operation returned to normal (**repair made in house by plant personnel saving BTSA approx. \$1800**).), trim fence line at plant, pulled pump #2 at Rebel Hill and found pump rail guide broken retrieved new rail guide from vender and returned pump to normal operation (**repair made in house by plant personnel saving BTSA approx. \$2000**).), back flow tests complete, repair lawn areas with top soil,

**TV inspection:**

None

**Jetted:**

None

**Manhole inspections:**

Replaced missing MH cover on MH#SM-18-15 #71 Woodstone Rd., Inspected manholes on Colonial Dr, Morrison St., Henry St, Newell Dr, Dykeman Pl, Joanna Ct, Regent Circle, Hickory Dr, Berkley Cr

**Customer Service:**

Investigated odor complaint at Brownlee Pl, Located Pressure sewer shut off for #19 Tall Timber Ln, located clean outs for 38 Riverside Dr, inspected capping at #130 S. Maple Ave,

**SAFETY**

See attached report submitted by Brian Thornton Safety Coordinator.

**PROJECTS**

**Crown Ct.:** MM is working with BTSA for project close out.

**Press Building Demo.** Final walk through conducted on 3/26/19. Roy from MM instructed the contractor to rake out and seed bare spots along the driveway, fill in low spots in sod field with top soil and to seed entire area. Contractor also instructed to provide red line drawing for conduit placement.

**RAS/WAS:** Work resumed on 3/20/19. FST #1 Drained, Contractor installed all piping and completed direct waste set up for #1 FST (**contractor worked throughout the day and returned at midnight to complete the work and get us up and running before heavy rains arrived**). Core drilling, valve actuators and #1 telescopic valve installation completed on 3/27/19. Coppola crew repaired our broken #2 scum scrapper. Painter is scheduled to begin work on Monday 4/1/19 inside WAS pit.

**Plant Generator Phase 2:** Work resumed on 3/20/19. Nor-Sal swapped main breaker with #1 gen. breaker and installed rental breaker in #1 gen breaker spot. Main breaker being refurbished by Nor-Sal. Joe Ragland was on site to run test and assure proper operation of all breakers after work was completed. Asked Nancy to revisit their generator spec. proposal based on the main breaker work taking place at this time.

**Madisonville force main phase II:** Rob is scheduled for Friday 3/29/19 at 9pm to clean the line with a chain flail. Collections Forman will be on site.

**Security communication upgrade:** Chris from ITS and Albert from Lomello restored solar and Noveda connections. Emails have been sent to Lomello requesting updates, waiting for cell tests to take place.

**East Oak St. force main Rehab.** Plans have been finalized and have be sent over to BTSA for review.

**Collection System Rehabilitation:** Currently weighing options for a more effective way to remove scale from King George sewer line. BTSA working with consultant and contractor.

**Rewrite of sludge disposal specs.** Nancy submitted a corrected draft on 2/17/19 for our review.

**March 2019 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. We Experienced an issue with the plant’s main breaker, during the monthly routine exercises of the plant gens. We had to have ETC and Norsal come out with a spare breaker to swap out with ours. The main breaker is being serviced and updated, to prevent any further transfer issues. We had to drain FST tank #1, so Coppola could swap out the valves for that side. Lost time no accidents 394 days (Plus March 31 days).

**April 2019 Report**

**FLOWS**

Total Flow	57,472,000	Gallons
Average Flow	1,916,000	Gallons
Maximum Flow	3,692,000	Gallons
Minimum Flow	1,283,000	Gallons

**Operation**

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1847	Kg	
Effluent	16	Kg	280 Kg/Day
Net	1831	Kg	98.0 % Removed 85%
Suspended Solids in Effluent	2.24	Mg/l	30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	753	Kg	
Effluent	19	Kg	75.7 Kg/Day
Net	734	Kg	96.0 % Removed 85%
CBOD in Effluent	2.64	Mg/l	8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	21	Kg	
Effluent	1.08	Kg	
Phosphorus in Effluent	0.14	Mg/l	0.76 Mg/l

**Remarks**

Hypochlorite Used: 800 Gals. Sulfur Dioxide Used: 721 Lbs. Alum Used: 5900 Gals. Caustic Used: 728 Gals. Total Precipitation 4.71 Inches.

## Comments

Routine work and samples completed. Ran gens at pump stations and plant. Checked Pleasant Valley Pump Station (**requested by DEP enforcement agent**), Checked drives, tanks, gens and vehicles. Checked all syphons, checked & jetted 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, Grease trap inspections, Cleaned station wet wells, Repaired tread plates on steps by inlet, Vehicle oil changes, Installed new flow meter at Valley Rd pump station (**installation performed in house by BTSA staff, saving the Authority approx.. \$2500.00**), BRI run, Jet truck inspected by DPW, replaced battery back up at Fieldstone pump station, removed lagoon water plants, remove water plants from lagoons, **Passed NJ DEP inspection on 4/23/19**, changed oil in grinders at Valley Rd, Stonehouse and Fieldstone.

## TV inspection:

Dyckman, Forbes Ct, King George Rd from church to downstream manhole (**used chain flail to remove scale**), Newel Dr, Everson Pl, Newel Dr, Stoneview, Woods End Dr, Orchard Pl, Southard Pl,

## Jetted:

King George Rd from church to downstream manhole and continued next run on Spring Valley Blvd (**used chain flail to remove scale**),

## Manhole inspections:

Replaced riser ring on HBW-09-18 on Mt. Airy Rd, replaced manhole cover on Manchester Dr,

## Customer Service:

Reset manhole frame and cover for resident on Franklin Dr., marked out connection at #33 Mine Brook Rd,

## SAFETY

See attached report submitted by Brian Thornton Safety Coordinator.

## PROJECTS

**Crown Ct.:** MM is working with BTSA for project close out.

**Press Building Demo.** Contractor submitted request for final payment on 4/29/19.

**RAS/WAS:** Coppola installed new flush valve in WAS pit on 5/1/19 and 5/2/19. Wet well paint will be completed by 5/3/19. Work will continue in basement through the weekend 5/4-5/5/19.

**Plant Generator Phase 2:** Waiting for bid specs from MM so we can go out to bid on the remaining breaker work.

**Madisonville force main phase II:** Project closed out.

**Security communication upgrade:** Equipment has been installed at Stonehouse and Fieldstone locations. External antenna needs to be installed at Stonehouse. Albert is having difficulty routing signal from Fieldstone to the SCADA. Station camera Connections need to be reestablished.

**East Oak St. force main Rehab.** Pre-bid meeting scheduled for 5/7/19.

**Collection System Rehabilitation Lining:** BTSA jetted lines on King George Rd and Spring Valley Blvd. with newly purchased skid and chain flail on 4/25/19, resulting in greatly improved pipe conditions. Video recording available. BTSA has scheduled additional cleaning for 5/11/19 starting at 4am.

**Rewrite of sludge disposal specs.** Nancy submitted a corrected draft on 2/17/19 for our review.

**Holtaway:** Preston submitted final report for BTSA review on 4/23/19.

**Collection Point Repairs: Contract A:** Pre-con meeting held on Monday 4/15/19 2pm. Notice to proceed issued.

### **April 2019 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. Norsal returned with our rebuilt main breaker. They swapped out rental breaker with rebuilt breaker and cleaned up all connections. We tested breakers with a routine transfer test. No issues breakers performed perfectly. Norsal recommended Gen #1 and Gen #2 breakers get rebuilt to ensure no more issues. I conducted Bloodborne Pathogens training, Haz Com and GHS training and Fire Safety. We had our annual fire inspection. Fire inspectors suggested some placards for the Caustic building, which we put up right away. No other issues during the inspection. Lost time no accidents 424 days (Plus Aprils 30 days).

### **8.) RESOLUTION #1933 – Approval of Bill List Dated: May 14, 2019 - \$851,792.21**

Motion by Pavlini, second Harris to approve Resolution #1933 Bill List Dated May 14, 2019 - \$851,792.21

#### **ROLL CALL**

**Aye:** Esposito, Harris, Orr, Pavlini

**Nay:**

**Motion Carried**

### **9.) MEMBER/STAFF COMMENTS**

General Repairs Project-Raymond stated King George Road is being cleaned by BTSA personnel because the En-Tech proposal in the bid was not working. This is saving about \$10,000 a day. It is a slow-going process because of the amount of build up but they are doing a great job.

### **10.) ADJOURNMENT**

Motion by Harris, second Esposito, to adjourn at 7:09 pm.

**All in flavor; motion carried.**

Respectfully submitted,

Susan Long