

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY
MEETING MINUTES
FEBRUARY 12, 2019**

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, Esposito, Harris, Orr

Absent: Pavlini

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

APPROVAL OF MINUTES

Motion by Baldassare, second Orr to approve the Regular Meeting Minutes of January 15, 2019.

ROLL CALL

Aye: Baldassare, Orr

Nay:

Abstain: Esposito, Harris

Motion Carried

Motion by Baldassare, second Orr to approve the Closed Meeting Minutes of January 15, 2019.

ROLL CALL

Aye: Baldassare, Orr

Nay:

Abstain: Esposito, Harris

Motion Carried

CORRESPONDENCE

None

PUBLIC COMMENT

None

ACTION/DISCUSSION ITEMS

a. Resolution #1922–LMR Disposal 1 year sludge extension \$350,775

Motion by Harris, second Esposito to approve Resolution #1922.

ROLL CALL

Aye: Baldassare, Esposito, Harris, Orr

Nay:

Abstain:

Motion Carried

b. Resolution #1923–Sewer Fee Refund 187 Irving Pl. \$250

Motion by Baldassare, second Harris to approve Resolution #1923.

ROLL CALL

Aye: Baldassare, Esposito, Harris, Orr

Nay:

Motion Carried

c. Overview of BTSA operations

Timko gave an overview of the administrative operations for the sewerage authority to include insurance, hiring consultants, hiring staff, the budget and other administrative work.

Raymond explained how the plant is governed by a series of permits from the DEP. He went over the daily, weekly, monthly, semi-annual and yearly reports submitted to the DEP. He discussed the extensive training all staff does to maintain their licenses, specialized safety training and cross training in all aspects of running the plant.

d. Discussion – Inflow & Infiltration

Members were given a report prepared by Suburban Consulting for the evaluation of sewer system inflow/infiltration and condition assessment. Members will go over the report and Michael McAloon from Suburban will attend the next meeting to discuss.

e. Discussion – Annual Message

Timko directed to update the annual message for approval at the next meeting.

CONSULTING ENGINEERS REPORT

DEVELOPER PROJECTS:

AUTHORITY PROJECTS:

Monarch Circle / Crown Court Pump Station

We anticipate meeting with the Authority to close out the project.

Harrison Brook STP-RAS/WAS Rehabilitation

The Contractor was able to drain the Final Settling Tank #1 to make the valve and piping improvements within the Waste Activates Sludge (WAS) well. When flows at the plant subside, the FST #2 can be drained and the remaining WAS well work can be completed. The Contractor will achieve contract substantial completion at that point. Minor punchlist items are expected and final restoration work are anticipated in March.

Harrison Brook STP Sludge Hauling

Revisions to the draft specifications were made after meeting with BTSA staff in January. We are providing BTSA with a certified laboratory service that can conduct and then train BTSA staff to test for the “SOUR” Sludge Oxygen Uptake Rate, addressing PA landfill requirements to identify additional sludge quality emanating from the plant thereby providing a means to dispose of BTSA sludge “cake” directly to landfills. Once the test is conducted and results are received, the data can be incorporated into the specifications and the sludge services can be bid for the next upcoming contract.

OPERATORS REPORT

January 2019 Report

FLOWS

Total Flow	74,205,000	Gallons
Average Flow	2,394,000	Gallons
Maximum Flow	4,642,000	Gallons
Minimum Flow	1,372,000	Gallons

Operation

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1426	Kg	
Effluent	25	Kg	280 Kg/Day
Net	1401	Kg	97.0 % Removed 85%
Suspended Solids in Effluent	2.44	Mg/l	30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	765	Kg	
Effluent	29	Kg	75.7 Kg/Day
Net	736	Kg	94.0 % Removed 85%
CBOD in Effluent	3.30	Mg/l	8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	25	Kg	
Effluent	1.38	Kg	
Phosphorus in Effluent	0.14	Mg/l	0.76 Mg/l

Remarks

Hypochlorite Used: 956 Gals. Sulfur Dioxide Used: 590 Lbs. Alum Used: 6120 Gals.
Caustic Used: 0 Gals. Total Precipitation 3.97 Inches.

Comments

Routine work and samples completed. Ran gens at pump stations and plant. 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, Cleaned Annin Rd wet well, fueled all gens at stations, TV inspected storm sewer for DPW at #30 King Ridge Rd., Replaced rebuilt motor on E. Oak St. grinder (**repair performed in house by plant personnel saving BTSA approx. \$1000.00**), CNA certified #1 boiler and performed annual inspection on #2 boiler. Repaired water cannons on O2 ditches, interviews were conducted for the open operator position and Mr. William Modzianowski was hired, installed outside LED lighting at E. Oak St. pump station (**installation performed in house by plant personnel saving BTSA approx. \$800.00**). JVD repaired broken compactor screw, replaced digester blower #3 (**installation performed in house by plant personnel saving BTSA approx. \$2800.00**), grease trap inspections,

On 1/16/19 Valley Rd. pump station was flooded due to a water main break close to the station. (see attached letter to the DEP). The homeowner at # 3011 Valley Rd. also reported sewerage in their basement. Plant personnel responded to the residence and instructed the homeowner to contact their ins. company and NJ American Water Co.

TV inspection:

TV inspected Madisonville Rd. force main after pigging and jetting (looks good, pipe was clean).

Jetted:

NONE

Manhole inspections:

Replaced Manhole cover and frame at # 82 S. Stonehedge.

Customer Service:

No customer complaints.

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. MM is working with BTSA for project close out.

RAS/WAS: On 1/16/19 FST #2 was drained and contractor completed valve and piping replacement in the WAS pit for that side. We are now set up to waste directly from the center of #2 FST. On 1/28/19 Contractor attempted to install spacer and telescopic valve #2 side but ran into issues with the spacer. Scheduled to return either 2/1/19 or first week of Feb. We are having issues with the sump pump check valves and contractor has been notified.

Plant Generator Phase 2: MM still preparing proposal for bid specs on generator breakers. Holtaway Elect. Eng. Has been contracted to investigate the high voltage issue at plant and solar field, I will also ask them for a quote on the breaker rehab. On 1/23/18 Sal from Norsal cleaned and lubricated main breaker in Generator breaker room. Sal is going to give us an estimate for emergency service and rebuild of the main breaker

Madisonville force main phase II: Suburban Consulting submitted closeout document for BTSA review.

Security communication upgrade: Albert said they have the wireless routers, and next step will be to setup the wireless accounts. Once that is established they will go for the install. They are scheduled for 2 days at BTSA the week of February 4.

East Oak St. force main Rehab. Suburban Consulting submitted proposal. BTSA reviewing. BTSA personnel met to discuss bypass pumping requirements for this project. Suburban Consulting is refining proposal per BTSA recommendations.

Rewrite of sludge disposal specs. Meeting was held on 1/16/19 with Nancy W. and Rich L. from MM to discuss specifics on the specs. Nancy will refine and resubmit for our review.

January 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. During our monthly test on the plant gens. We had an issue with the transfer switch. We called ETC to come out and trouble shoot the issue. ETC determined the transfer gears needed to be serviced, ETC contacted Norsal to come out to service transfer gear. No more issues after transfer gears were serviced. Lost time no accidents 335 days (Plus January 31 days).

January 16, 2019

Mr. Douglas Speeney
Northern Bureau of Regional Enforcement
NJDEP
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

CERTIFIED MAIL - RRR

Re: NJDEP Hotline Case No. 19-01-16-0632-19

Dear Mr. Speeney:

On January 16, 2019 at approx. 0430 a water main ruptured in the vicinity of #3038 Valley Rd. Basking Ridge NJ. Water from the break undermined the roadway and material surrounding a sanitary sewer manhole located in Valley road and flowed into our pump station located at #3010 Valley Rd causing our wet well to surcharge. Due to the severity of the event the type of spill was highly diluted grey waste water and the amount was not measurable. Plant personnel immediately responded and notified NJ American Water Company and Bernard's Township PD.

Plant personnel were able to control the surcharge using our vacuum truck to suck out the wet well and deliver the sewerage to a downstream manhole. Plant personnel remained on site throughout the incident to monitor the situation. NJDEP Hot Line was notified at 0630 on 1/16/19 and was logged in by operator #74, case #19-01-16-0632-19.

NJ American Water Co. was able to shut off the water at 0640 and the surcharge stopped.

The NJDEP hotline was notified at 0650 hours on 1/16/2019 to close out the incident and was logged in by operator #74, case #19-01-16-0653-47. Plant personnel remained on site to clean the area.

Please feel free to contact me immediately at (908) 647-2460 if you require any additional information regarding this issue as the Authority wishes to maintain all available defenses with respect to this event.

Sincerely,
Bob Raymond

Plant Superintendent

Cc: Tom Timko, Director
Nancy Wohlleb, PE, CME, MM Consulting Engineer
John Belardo Esq., BTSA attorney

BILL LIST

Resolution #1924 – Approval of Bill List Dated: February 12, 2019 - \$205,468.32

Motion by Baldassare, second Esposito to approve Resolution #1924 Bill List Dated February 12, 2019 - **\$205,468.32**

ROLL CALL

Aye: Baldassare, Esposito, Harris, Orr

Nay:

Motion Carried

MEMBER/STAFF COMMENTS

None

ADJOURNMENT

Motion by Baldassare, second Esposito, to adjourn at 7:32 pm.

All in flavor; motion carried.

Respectfully submitted,

Susan Long