

**BERNARDS TOWNSHIP SEWERAGE AUTHORITY
MEETING MINUTES
APRIL 10, 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, Malay, Pavlini

Absent:

Also Present: Director Timko, Attorney John Belardo, Superintendent Raymond, Mott MacDonald Consultant Wohlleb

Todd Edelstein – Riverside Drive, Basking Ridge, NJ 07920

APPROVAL OF MINUTES

Motion by Malay, second Carpenter to approve the Regular Meeting Minutes of February 13, 2018 and the Re-Organization Meeting Minutes of February 13, 2018.

All in favor; motion carried.

Oath of Office – James Baldassare, Jr.

CORRESPONDENCE

None

PUBLIC COMMENT

None

ACTION/DISCUSSION ITEMS

Discussion – Audit – Bill Schroeder

There were no comments, recommendations and duly noted the Authority's financial administration is very well run.

b. Resolution #1830 – Annual Audit Group Certification

Motion by Pavlini, second Malay to approve Resolution #1830.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

c. Resolution #1831 – FYE 2017 Audit – NJSA Compliance

Motion by Gaziano, second Pavlini to approve Resolution #1831.

All in favor; motion carried

d. Resolution #1832 – Reject Bids – Madisonville Force Main Phase II

Motion Baldassare, second Malay to approve Resolution #1832.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

e. Resolution - #1833 – Budget Transfer – Monarch Circle Pump Station - \$65,000

Motion Malay, second Pavlini to approve Resolution #1833.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

f. Resolution - #1834 – CO #2 – MM – Monarch Circle Pump Station - \$64,623.92

Motion Malay, second Gaziano to approve Resolution #1834.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

g. Resolution - #1835 – CO #1 – Atlantic Machine Vac-Con Truck

Motion Malay, second Pavlini to approve Resolution #1835.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

h. Resolution - #1836 – Allocation Agreement – Fenwick Basking Ridge LLC, B7702 L10 and 11 – Fenwick Place/Bell Subdivision.

ROLL CALL

Motion Gaziano, second Pavlini to approve Resolution #1836.

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

i. Resolution - #1837 – Treatment Works Application – Fenwick Basking Ridge LLC, B7702 L10 and 11 – Fenwick Place/Bell Subdivision.

Motion Malay, second Baldassare to approve Resolution #1837.

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

10. Consulting Engineer's Report

BTSA ENGINEER'S REPORT March 2018 Meeting

DEVELOPER PROJECTS:

Silverman Group/North Maple Avenue

Final site restoration inspection will be made in the spring.

Fellowship Senior Living

The lateral installation has not been completed by the Contractor and despite following up for a schedule; we have not been informed of a completion date.

Christopher Bell Subdivision (Valley Road)

Revised application materials from Finnelli Engineers have been reviewed and commented upon.

AUTHORITY PROJECTS:

Monarch Circle (Crown Court) Pump Station

Although some site restoration has begun and additional coordination with JCP&L, the station experienced a power disruption after the March 1 Nor'easter. During the Nor'easter, the station experienced high-flows and the Contractor's pump vendor provided emergency diagnostic services regarding a reduction in pump performance. We await the results from further diagnostic testing to see if replacement equipment is needed. JCP&L power is also down as of 3/7/2018. Mott has worked closely with BTSA to obtain the necessary diagnosis and repair from the utility company despite the difficult conditions arising from the storm events. We expect continued JCP&L work for the new primary service installation and site restoration. We do not have an updated completion date from the Contractor.

Harrison Brook STP-RAS/WAS Rehabilitation

Key equipment and material have been and are in the process of being delivered to the site.

Harrison Brook STP-1M Belt Filter Press Building Demolition

Mobilization and site preparations have begun.

Harrison Brook STP-Capacity Assurance

A letter is being sent to NJDEP requesting discontinuance of quarterly flow reporting.

BTSA ENGINEER'S REPORT
April 2018 Meeting

DEVELOPER PROJECTS:

Silverman Group/North Maple Avenue

Final site restoration inspection will be made in the spring. A defect (sag) in the pipe lateral was discovered during our review of the internal camera inspection. This is in the process of being corrected.

Fellowship Senior Living

Punchlist items remain to be completed for this project.

Christopher Bell Subdivision (Valley Road)

Revised application materials and communication with Finnelli Engineers continues to perfect their application for sewer service.

AUTHORITY PROJECTS:

Monarch Circle (Crown Court) Pump Station

Power upgrades are completed. The new station requires a final testing regiment that is scheduled for the week of April 9th. UST tank has been removed. The contractor's 4/4/2018 correspondence to our office indicates he intends on completing final site restoration as soon as the weather breaks.

Harrison Brook STP-RAS/WAS Rehabilitation

Key equipment and material have been and are in the process of being delivered to the site. Construction is on schedule.

Harrison Brook STP-1M Belt Filter Press Building Demolition

Demolition work is near complete. Electrical work continues.

Harrison Brook STP-Capacity Assurance

A letter was sent in March regarding the discontinuance of flow reporting to NJDEP. We await response.

11. TOWNSHIP OF BERNARDS SEWERAGE AUTHORITY

OPERATOR'S REPORT
March 208 Meeting
February 2018 Report

FLOWS

Total Flow	77,946,000	Gallons
Average Flow	2,784,000	Gallons
Maximum Flow	5,444,000	Gallons
Minimum Flow	1,490,000	Gallons

OPERATION

<u>Suspended Solids</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	1537 Kg		
Effluent	56 Kg		280 Kg/Day
Net	1481 Kg	95.0 % Removed	85%
Suspended Solids in Effluent	5.3 Mg/l		30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	643 Kg		
Effluent	37 Kg		75.7 Kg/Day
Net	606 Kg	92.0 % Removed	85%
CBOD in Effluent	3.5 Mg/l		8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
Influent	18.0 Kg		
Effluent	1.18 Kg		
Phosphorus in Effluent	0.11 Mg/l		5.0 Mg/l

Remarks

Hypochlorite Used: 987.50 Gals. Sulfur Dioxide Used: 567 Lbs. Alum Used: 5,510 Gals.
Caustic Used: 224 Gals. Total Precipitation 5.95 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, Jamestown Road
- Changed carbon E. Oak Street, Juniper Way, Fieldstone and MVR
- Replaced influent partial flume flow meter bracket with stainless steel (Savage Construction)
- Foley serviced gens
- Cleaned Juniper Way wet well
- Cleaned Madisonville Road wet well
- Cleaned Valley Road wet well
- Replaced press booster pump motor #2 (**repair performed in house by plant personnel saving Authority approximately \$1,000**)
- Replaced #2 pump at Annin Road pump station (**repair performed in house by plant personnel saving Authority approximately \$1,200**)
- Installed new blower motor in South Maple Wet Well (**repair performed in house by plant personnel saving Authority approximately \$1,200**)
- Annual Inspection by NJDEP all was in order
- Dug up and replaced caustic feed line

TV inspection:

Finished Rebel Hill section, Basking Ridge Animal Hospital lateral, Hessian Street and Lurline Drive.

Jetted:

Hotel syphon,
Flushed Fieldstone Force Main

Manhole inspections:

None

Customer Service:

No customer complaints this month.

SAFETY

See attached report submitted by Chris Lalicato Safety Coordinator.

PROJECTS

Old Press Bldg. Demo.: Work has begun.

Caustic Chemical System Upgrade: Work scheduled to begin first week of March.

RAS/WAS: Sludge pumps delivered.

Madisonville force main phase II: Out to bid.

Grit Unit Upgrade: Contractor working on punch list.

Monarch Circle: Construction Continues. Generator has been placed and connections are being made.

Plant Flow Meters: Ongoing calibration of Eff. Meter.

Plant Paving: Will work on punch list in spring.

Cyber Security: Had meeting with contractor and MM to proceed with cellular test.

February 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 February.

OPERATOR'S REPORT

April 2018 Meeting

March 2018 Report

FLOWS

Total Flow	81,158,000	Gallons
Average Flow	2,618,000	Gallons
Maximum Flow	5,855,000	Gallons
Minimum Flow	1,847,000	Gallons

OPERATION

Suspended Solids

Dry Weight

NJDEP Limit

Influent 1049 Kg

Effluent	34 Kg		280 Kg/Day
Net	1015 Kg	96.0 % Removed	85%
Suspended Solids in Effluent	3.64 Mg/l		30 Mg/l

<u>CBOD</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
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Influent	519 Kg		
Effluent	30 Kg		75.7 Kg/Day
Net	489 Kg	93.0 % Removed	85%
CBOD in Effluent	3.2 Mg/l		8 Mg/l

<u>Phosphorus</u>	<u>Dry Weight</u>		<u>NJDEP Limit</u>
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Influent	26.0 Kg		
Effluent	1.23 Kg		
Phosphorus in Effluent	0.14 Mg/l		5.0 Mg/l

Remarks

Hypochlorite Used: 843.75 Gals. Sulfur Dioxide Used: 612 Lbs. Alum Used: 6,140 Gals.
Caustic Used: 833 Gals. Total Precipitation 4.82 Inch

Comments

During the month of March, New Jersey suffered the effects from dual nor'easters. Within a two week period these storms left hundreds of thousands without power and caused numerous road closures.

BTSA personnel performed exceptionally well during this crisis and the integrity of the treatment plant and surrounding pump stations was maintained at all times.

- Routine work and samples completed.
- Ran gens at pump stations and plant.
- Checked drives, tanks, gens and vehicles.
- Checked all siphons.
- Checked Barons and Jamestown Road.
- Changed carbon E. Oak, Juniper Way, Fieldstone and MVR.
- Removed storm debris from outfall, exercised valves at pump stations.
- Exercised sluice gates and valves at plant.
- John Dobash Construction replaced side door pump room.
- Performed Back flow inspections.
- Grease trap inspections.

TV inspection:

Lurline Drive, Compton Court, Marilyn Street, Brook Ridge Drive, W. Henry Street, Woods End

Jetted:

Barons, flushed Fieldstone Force Main

Manhole inspections:

Woods End

Customer Service:

No customer complaints this month.

SAFETY

See attached report submitted by Chris Lalicato Safety Coordinator.

PROJECTS

Old Press Bldg. Demolition: Work Continues.

Caustic Chemical System Upgrade: Well disconnected and working with contractors.

RAS/WAS: Working with contractors.

Madisonville force main phase II: Out to bid.

Grit Unit Upgrade: Contractor working on punch list.

Monarch Circle: Construction Continues. Generator installed and power transferred, old gen removed.

Plant Flow Meters: Ongoing calibration of Eff. Meter.

Plant Paving: Will work on punch list in spring.

Cyber Security: Had meeting with contractor and MM to proceed with cellular test.

March 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 59 days.

12. Resolution 1838 - Approval of Bill List Dated: March 13, 2018 - \$744,061.03

Motion by Malay, second Baldassare to approve Resolution #1838-Bill List Dated March 13, 2018 – \$744,061.03

ROLL CALL

Aye: Baldassare, Carpenter, Gaziano, Malay, Pavlini

Nay:

Abstain:

Motion Carried

13. Member/Staff Comments

- Stonehouse Road dispute in arbitration.
- New law caps budgets @ 2%

14. ADJOURNMENT

Motion by Malay, second Baldassare, to adjourn at 7 pm.

All in flavor; motion carried.

Respectfully submitted,

Lorraine J DeGrande