Burrillville Sewer Commission

Regular Meeting of November 14, 2023

Board Room of the BWWTF

Members Present: William Andrews – Chairman

Richard Nolan – Vice Chairman

Gary Rouleau – Commission Member

Daniel Joubert – Commission Member

Thomas Trimble – Commission Member

Also Present: Timothy Kane – Attorney for the Commission

James Dyment – Consulting Engineer

Dennis Anderson – Town Council Liaison

Steve Roderick – Owner, 1126-1134 South Main Street

Sevag Katchadourian – Oak Square Partners

John Typadis – Oak Square Partners

Michael Emond – Superintendent

Jacqueline Batalon – Financial Aide

Mr. Andrews opened the Meeting at 6:32 PM.

**Agenda Item –** The question of accepting the Minutes of the Regular Meeting of October 10, 2023 and the question of dispensing with the reading of said Minutes.

**Voted –** Mr. Joubert made a motion to accept the Minutes of the Regular Meeting of October 10, 2023 and to dispense with the reading of said Minutes. The motion was seconded by Mr. Nolan. All in favor, so voted.

**Public Comment –** None

**Correspondence: 24-05-01 –** Request from Deborah Ciummo to suspend sewer use charges for her property located at 77 Cove Road. Building has been demolished.

Letter from Steve Dettonancourt, Zoning Official, confirming there is an active permit for demolition of the existing SFD at 77 Cove Road, work to commence on 10/23/23.

There was some discussion on this matter.

**Voted –** Mr. Nolan made a motion to suspend sewer charges on the property, prorated through November 14, 2023, until a Certificate of Occupancy is issued by the Building Official. The motion was seconded by Mr. Joubert. All in favor, so voted.

**Correspondence Continued: 24-05-02 –** Request from Stephen Roderick to discuss a proposed sewer connection from his properties at 1126-1134 South Main Street.

There was some discussion regarding the logistics of connecting the properties, as the sewer line does not run by the properties. The line ends at the property next door. A professional engineer would be required to draw up plans to extend the sewer line in the road.

**Voted –** Mr. Joubert made a motion to grant Mr. Roderick the ability to connect to the sanitary sewer system, given that the proper application, submittal and approval procedures are followed. The motion was seconded by Mr. Rouleau. All in favor, so voted.

**New Business:** Discuss and take possible action on letter to RIDEM regarding change in RIPDES permit to allow aluminum-based coagulant.

Mr. Emond stated that this is a procedural requirement in order to use Poly Aluminum Chloride (PAC) in the treatment process in lieu of Nalmet.

**Voted –** Mr. Nolan made a motion to allow the Chairman to sign the letter to RIDEM requesting the RIPDES permit change. The motion was seconded by Mr. Rouleau. All in favor, so voted.

Discussion regarding food waste to energy company (Divert Inc.) potentially looking to locate in Burrillville.

Mr. Emond stated that he was contacted by Divert Inc., which is a company that converts food waste to energy in the form of methane gas. Their anticipated water usage is between 80,000 to 150,000 gallons per day. This would have a significant impact on the wastewater treatment plant. It would also take up the majority of the BWWTF’s remaining capacity, potentially impacting Charcuterie Artisans and the proposed Nasonville redevelopment project.

**Voted –** Mr. Nolan made a motion to receive and file the information regarding Divert Inc. The motion was seconded by Mr. Joubert. All in favor, so voted.

Discuss and take possible action on repair versus the replacement of the diesel fuel underground storage tank at the Reservoir Road Pump Station.

Cost proposal from Trask Petroleum Equipment Co. Inc. to repair the storage tank.

Mr. Emond explained that the Reservoir Road Pump Station will be the only remaining station, once Oakland has been upgraded, that still has an underground diesel fuel storage tank. Reservoir Road Pump Station is the only pump station that didn’t pass the interstitial pressure test, which involves the secondary containment tubing. The tank must be dug up and the pipes need to be double-walled in order to pass the test. Mr. Emond believes that the pump station is large enough to put a tank inside. There was some discussion on this matter.

**Voted –** Mr. Andrews made a motion for the Burrillville Sewer Commission to go out to bid for double wall piping, with the installer responsible for testing, as well as an above ground storage tank, for comparison. The motion was seconded by Mr. Trimble. All in favor, so voted.

Discuss and take possible action on proposed solar lease from Oak Square Partners.

Mr. Katchadourian explained that Oak Square partners would like to place solar panels on the property in between the wastewater facility and the DPW. The terms would be a twenty (20) year lease at $15,000.00 per year, paid in quarterly installments of $3,750.00 each. The annual rent would increase 1% on each anniversary of commercial operation. The terms would also include three (3) extension options of five (5) years each, at a 10% rent increase. Mr. Joubert expressed that he does not believe that the BSC should give up land for an extended time period, for a relatively low amount of income, in case that land is needed for future expansion.

**Voted –** Mr. Andrews made a motion to deny the request for a solar lease from Oak Square Partners. The motion was seconded by Mr. Joubert. All in favor, so voted.

**Old Business:** Discuss and take possible action on proposed update to battery agreement.

Mr. Katchadourian stated that RI Energy has changed the eligibility requirements of energy storage projects. This would change the size of the proposed battery project. The battery size would be reduced from 10,000 square feet to 1,000 square feet. This would reduce the land lease payments from approximately $48,0000.00 per year to approximately $4,800.00 per year.

**Voted –** Mr. Joubert made a motion to deny the request to update the battery agreement from Oak Square Partners. The motion was seconded by Mr. Rouleau. All in favor, so voted.

**Invoices –** None

**Engineer’s Report:** RIIB (Account CW # - BURR-CW-FY22)

RI Infrastructure Bank – Pay Request #21 in the amount of $4,885.00

Exhibit A – Project Payment Requisition Form

Exhibit F – Wage Rate Requirement Certification Form

Exhibit G – Certification Regarding Debarment, Suspension and Other Responsibility Matters

**Voted –** Mr. Joubert made a motion to authorize the Chairman to sign and pay RI Infrastructure Bank Pay Request #21 in the amount of $4,885.00, including Exhibits A, F and G. The motion was seconded by Mr. Nolan. All in favor, so voted.

MRP Grant Application Submittals

Mr. Dyment stated that he and Mr. Emond submitted grant applications with the State of Rhode Island for resiliency projects at the Oakland, Rock Avenue and Beach Road Pump Stations. If approved, the grants may be accepted or rejected by the Sewer Commission.

**Voted –** Mr. Nolan made a motion to accept the Engineer’s Report. The motion was seconded by Mr. Rouleau. All in favor, so voted.

**Attorney’s Report:**

Mr. Kane stated that this month he sent a letter to John Bono regarding the illegal sump pumps on his property. The letter was sent to an incorrect address, and then re-sent to the correct address. Mr. Kane has not yet received a response from Mr. Bono.

**Voted –** Mr. Joubert made a motion to accept the Attorney’s Report. The motion was seconded by Mr. Nolan. All in favor, so voted.

**Superintendent’s Report:**

Report for the month of October, 2023

**1. WWTF OPERATIONS**

A. Influent to Treatment Facility – MGD

Average Daily Flow = 0.9843

Maximum Daily Flow = 1.4940 on 01-Oct

Minimum Daily Flow = 0.7780 on 20-Oct

Percent Average

Removal Concentration

B. Biochemical Oxygen Demand

EPA / DEM Permit Requirement = 85.0% min 10.0 mg/L

October achieved = 99.4% 1.0 mg/L

C. Total Suspended Solids

EPA / DEM Permit Requirement = 85.0% 15.0 mg/L

October achieved = 99.3% 2.1 mg/L

D. Total Phosphorus

EPA / DEM Permit Requirement = N/A 0.1 mg/L

October achieved = 100% <0.05 mg/L

E. Total Ammonia

EPA / DEM Permit Requirement = N/A 5.1 mg/L

October achieved = 99.4% 0.1 mg/L

F. Total Copper

EPA / DEM Permit Requirement = N/A 8.0 ug/L

October achieved = 98.8% \*2.5 ug/L

G. Disposed Sludge

Dry Tons Disposed of = 31.42

Number of Loads Removed = 31

Average Dry Tons / Load = 1.01

\*The copper result for the fourth week of October has not been reported by the contract lab at the time this report was submitted.

Permit Excursions

There were no permit excursions to report for October 2022.

The most recent permit excursions were two permit excursions reported a year ago in October 2022, both for daily maximum Copper. The first excursion was on October 6th and the second on October 13th with the results reported as 16.1 ug/L and 11.4 ug/L respectively. The daily maximum Copper limit is 10.6 ug/L.

Callout Alarms

There were two (2) call-ins for the wastewater treatment facility for October 2022.

10/2/23 – High Blended Sludge Tank – Returned to normal before crew arrived. Tank mixer presumed to have triggered high level. Purged bubbler tubes.

10/12/23 – Phos System – Returned to normal before crew arrived. Acknowledged alarm, checked compressors and filters.

**2. COLLECTION SYSTEM OPERATIONS**

There were five (5) after hour collection systems call-in responses for the month of October 2022. Find the call-in table below:

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Location | Nature of Call / Alarm Condition | Issue Found |
| 10/17/23 | Beach Road Ejector Station | High Wet Well | Clapper not seating. Back flushed three times to clear out debris. Drained receiver tank of condensation. Pumped down wet well. |
| 10/21/23 | Beach Road Ejector Station | High Wet Well | Compressor tripped out. Purged rags from system, cleaned probe and reset compressor. |
| 10/21/23 | Eagle Peak Pump Station | High Wet Well | Switched pumps to Hand operation and pulled level transducer. Removed grease from transducer. Pumping normal in Auto. |
| 10/26/23 | Beach Road Ejector Station | High Wet Well | Both compressors tripped. Reset breaker, let station build air pressure. Lower compressor motor needs replacement. |
| 10/28/23 | Beach Road Ejector Station | High Wet Well | Breaker tripped. Found broken wire in motor lead. Ran new motor leads, cleaned wires on motor. Lower compressor now running. |

**3. OTHER ACTIVITIES & CURRENT ISSUES**

10/3/23 – Communicated with Mark A’Daddobbo regarding building development on Rt 102 (AP 114 Lot 12). He is hoping to connect sewer from his proposed building on to sewers on Victory Highway or Mohegan Pump Station directly via easement. Explained to him the BSC requires engineered plans and most likely special approval will be required from Commission to connect via Mohegan PS or sewers on Victory Highway.

10/11/23 – Cyber Security training hosted by the RI Trust 8AM-12PM at Crowne Plaza in Warwick. Justin Allen and Greg Rumowicz of Town IS attended also.

10/12/23 – Met with James Dyment of BETA at Rock Avenue ejector station so he could get info to draft design and cost estimate for the MRP Grant application. Went to Beach Road ejector station for the same purpose.

10/18/23 – James Dyment and Michael Emond on conference call with Mark A’Daddobbo and his engineer Jim Cassidy regarding Rt 102 and Douglas Pike (AP 114 Lot 12). Discussed development of lot.

10/24/23 – Received email from Synagro notifying us that the incinerator will be down starting Oct. 25th and could be down from 7-14 days. I called Richard Lapointe of Synagro to discuss our sludge pickup situation. He said our sludge pick up will be daily as scheduled and he will notify ahead of time if not.

**4. PERMIT LIMIT REPORT**

Refer to following pages imported from plant data management system.

Limit Summary: (\*\*designates values exceeding limit)

1 value exceeding limit

Location/Parameter Units Limit \_\_\_\_\_\_\_Actual

INFLUENT – INFLUENT

Flow Mgd – Flow Rate

Average MGD 1.5 0.9843

Minimum, 10/20/2023 MGD 0.7780

Maximum, 10/1/2023 MGD 1.4940

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Bod 5 – Bod 5 Day

Average MG/L 10 1.0

Max Weekly Avg (Wed Rule) MG/L 15 1.1

Maximum MG/L 17 1.3

EFFLUENT BOD – EFFLUENT BOD

Loadings – Loadings in Pounds

Average LB/Day 125.1 8.7

Maximum, 10/1/2023 LB/Day 212.7 12.5

RAW INFLUENT – RAW INFLUENT COMPOSITE

Bod 5 – Bod 5 Day

Average MG/L 178

Maximum, 10/29/2023 MG/L 226

INFLUENT BOD –INFLUENT BOD

Loadings – Loadings in Pounds

Average LB/Day 1451.8

Maximum, 10/1/2023 LB/Day 2093.3

EFFLUENT BOD – EFFLUENT BOD

Percent Removal – Percent Removal

Average (Lower Limit) % 85.0 99.4

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Solids TSS – Total Suspended Solids

Average MG/L 15 2.1

Avg Weekly Avg (Wed Rule) MG/L 20 2.1

Maximum, 10/20/2023 MG/L 25 3.8

EFFLUENT TSS – EFFLUENT TSS

Loadings – Loadings in Pounds

Average LB/Day 187.7 16.9

Maximum, 10/5/2023 LB/Day 625.5 33.4

RAW INFLUENT – RAW INFLUENT COMPOSITE

Solids TSS – Total Suspended Solids

Average MG/L 237.4

Maximum, 10/19/2023 MG/L 368.0

INFLUENT TSS – INFLUENT TSS

Loadings – Loadings in Pounds

Average LB/Day 1951.2

Maximum, 10/1/2023 LB/Day 2890.7

EFFLUENT TSS – EFFLUENT TSS

Percent Removal – Percent Removal

Average (Lower Limit) % 85.0 99.3

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Solids Settlbl – Settleable Solids

Maximum, 10/1/2023 ML/L 0.0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Enterococci – Enterococci

Average #/100 ML 54 1.3

Maximum, 10/12/2023 #/100 ML 175 4.2

EFFLUENT GRAB – FINAL EFFLUENT GRAB

TRC – TRC Daily Average 4

Average UG/L 22 0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

TRC – TRC Daily Average

Maximum, 10/1/2023 UG/L 39 0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

pH1 – pH1

Effluent Minimum pH S.U. 6.0 6.20

Effluent Maximum pH S.U. 9.0 6.83

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Phosphorus – Phosphorus Total

Average MG/L 0.1 0.00

Maximum, 10/5/2023 MG/L 0.00

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ortho Phosphat – Orthophosphate Total

Average MG/L 0.02

Maximum, 10/5/2023 MG/L 0.10

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

TKN – Total Kjeldahl Nitrogen

Average MG/L 0.8

Maximum, 10/19/2023 MG/L 0.9

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrate – Nitrate Nitrogen Total

Average MG/L 4.34

Maximum, 10/12/2023 MG/L 4.62

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrite – Nitrite Nitrogen Total

Average MG/L 0.00

Maximum, 10/19/2023 MG/L 0.01

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrogen – Nitrogen Total

Average MG/L 3.64

Maximum, 10/12/2023 MG/L 5.39

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ammonia – Nammonia Total

Average MG/L 5.1 0.1

Maximum, 10/5/2023 MG/L 42.6 0.1

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Copper – Copper Total

Average UG/L 8.0 2.5

Maximum, 10/12/2023 UG/L 10.6 3.3

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Lead – Lead Total

Average UG/L 1.1 <0.5

Maximum, 10/5/2023 UG/L 27.5 <0.5

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Zinc – Zinc Total

Average UG/L 68.3 10.7

Maximum, 10/19/2023 UG/L 68.3 12.0

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Iron – Iron Total

Maximum, 10/12/2023 UG/L 362.000

Mr. Emond gave a brief summary of the Superintendent’s Report.

**Voted –** Mr. Nolan made a motion to accept the Superintendent’s Report. The motion was seconded by Mr. Joubert. All in favor, so voted.

**Sewer Use/Sewer Assessment Write-Offs –** None

**Adjournment –** Mr. Trimble made a motion to adjourn the Meeting. The motion was seconded by MR. Rouleau. All in favor, so voted.

Respectfully Submitted,

Jacqueline Batalon

Financial Aide

I have read the Minutes of the previous pages and hereby ratify the same.

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William Andrews Richard Nolan Gary Rouleau

Chairman Vice Chairman Commission Member

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Daniel Joubert Thomas Trimble

Commission Member Commission Member