Burrillville Sewer Commission

Regular Meeting of December 12, 2023

Board Room of the BWWTF

Members Present: William Andrews – Chairman

 Richard Nolan – Vice Chairman

 Gary Rouleau – Commission Member

 Thomas Trimble – Commission Member

Member(s) Absent: Daniel Joubert – Commission Member

Also Present: Timothy Kane – Attorney for the Commission

 Steve Richtarik – BETA Group

 Dennis Anderson – Town Council Liaison

 Steve & Cindy Foisy – Owners of 20 Elm Rd

 Michael Emond – Superintendent

 Stacey Richard – Office Manager

Mr. Andrews opened the Meeting at 6:30 PM.

**Agenda Item –** The question of accepting the Minutes of the Regular Meeting of November 14, 2023 and the question of dispensing with the reading of said Minutes.

**Voted –** Mr. Nolan made a motion to accept the Minutes of the Regular Meeting of November 14, 2023 and to dispense with the reading of said Minutes. The motion was seconded by Mr. Rouleau. All in favor, so voted.

**Public Comment –** None

**Correspondence –** None

**New Business:** Discuss and take possible action on request to subordinate assessment lien for 20 Elm Road Glendale.

Ms. Richard explained that the Foisy’s are looking to obtain a Home Equity Line of Credit. The Sewer Commission Office was contacted by the lending bank requesting that the BSC lien is subordinated to third place, with the mortgage lender holding the first lien, the line of credit lender holding the second lien and the BSC holding the third lien. Mr. Kane stated that there would still be a lien from the BSC and the Foisy’s have owned the home for many years and have an outstanding payment history.

**Voted –** Mr. Nolan made a motion to authorize the Chairman to subordinate the sewer assessment lien, on behalf of the Sewer Commission, in favor of the equity mortgage in the amount of $100,000.00. The motion was seconded by Mr. Rouleau. All in favor, so voted.

Review and approval of Charcuterie Artisans (formerly Daniele International, LLC) Wastewater Permit.

Mr. Emond stated that the three (3) year permit is the same as the previous permit, with the exception of the name change from Daniele International to Charcuterie Artisans. He also stated that there have been a few minor surcharges, but the company has reported monthly as expected. Mr. Emond also stated that he would like to consult with Mr. Richtarik of BETA Group to confirm that the rates are appropriate prior to Commission approval.

**Voted –** Mr. Nolan made a motion to table the Charcuterie Artisans Wastewater Permit until the January Meeting. The motion was seconded by Mr. Trimble. All in favor, so voted.

**Old Business:** Discuss and take possible action on paperwork to reply to Hazardous Mitigation Program request for information by FEMA.

Mr. Emond stated that the initial application was submitted by BETA in February. In November, FEMA asked for more information. There are typically two rounds of RFI’s (Requests for Information). There was a team meeting with Mr. Emond, Mr. Dyment of Beta, FEMA and RI Emergency Management. The deadline of December 18, 2023 is a formality and may be extended by FEMA.

**Voted –** Mr. Nolan made a motion to authorize the Chairman to sign the reply to Hazardous Mitigation Program Request for information by FEMA. The motion was seconded by Mr. Rouleau. All in favor, so voted.

**Invoices –** None

**Engineer’s Report:** Informational update to the Wastewater Facilities Plan Amendment

Mr. Richtarik stated that BETA received feedback from RIDEM regarding the Facilities Plan Amendment and should be able to address the comments and have the revised Amendment submitted by January 1, 2024. Other than that, there is nothing to report, as Mr. Dyment has been ill for several days.

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

**Attorney’s Report:**

Mr. Kane stated that there is nothing new to report this month.

**Superintendent’s Report:**

Report for the month of November 2023

**1. WWTF OPERATIONS**

 A. Influent to Treatment Facility – MGD

 Average Daily Flow = 0.7847

 Maximum Daily Flow = 0.9060 on 01-Nov

 Minimum Daily Flow = 0.6660 on 18-Nov

 Percent Average

 Removal Concentration

 B. Biochemical Oxygen Demand

 EPA / DEM Permit Requirement = 85.0% min 30.0 mg/L

 November achieved = 99.3% 1.6 mg/L

 C. Total Suspended Solids

 EPA / DEM Permit Requirement = 85.0% 30.0 mg/L

 November achieved = 99.0% 2.8 mg/L

 D. Total Phosphorus

 EPA /DEM Permit Requirement = N/A 1.0 mg/L

 November achieved = 89.6% 0.43 mg/L

 E. Total Ammonia

 EPA / DEM Permit Requirement = N/A 20.0 mg/L

 November achieved = 99.1% 0.2 mg/L

 F. Total Copper

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

 November achieved = 98.8% \*2.5 ug/L

 G. Disposed Sludge

 Dry Tons Disposed of = 27.11

 Number of Loads Removed = 29

 Average Dry Tons / Load = 0.93

\*The copper results for the fourth and fifth weeks of November have not been reported by the contract lab at the time this report was submitted.

Permit Excursions

There were no permit excursions to report for November 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 was one (1) call-in for the wastewater treatment facility for November 2022.

11/30/23 – Low Initial Chlorine Residual – Debris stuck in ball check valve not allowing chemical through. Flushed system and chemical flow resumed.

**2. COLLECTION SYSTEM OPERATIONS**

There were three (3) after hour collection systems call-in responses for the month of November 2022. Find the call-in table below:

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Location | Nature of Call / Alarm Condition | Issue Found |
| 11/1/23 | Beach Road Ejector Station | High Wet Well | Status normal before crew arrived. No rags causing issue. Cycled float switch multiple times to ensure proper function. OK. |
| 11/2/23 | Beach Road Ejector Station | High Wet Well | Status normal before crew arrived, but no call indicating “normal” status. RACO RTU found in “suspension” indicating rapid on/off triggering of alarm condition. Float switch suspected to be faulty and replaced with new float. Issue resolved. |
| 11/16/23 | Beach Road Ejector Station | High Wet Well | Wet well full. Rags in clapper. Back flushed suction and discharge clapper valves to remove debris. Drained water from receiver tank. Wet well pumped down to normal level. |

**3. OTHER ACTIVITIES & CURRENT ISSUES**

11/2/23 – Teams Meeting at 1:30 PM with Joe Haberek, Matt Puglia, Heidi Travers and Jane Sawyers of RIDEM, Steve Richtarik of BETA and Marcus Bowersox of Tetra Tech to discuss the WER Study status and going forward. Ager discussion about EPA vs. RIDEM protocol, scheduled sampling for this Sunday through Monday. Informed Don and the crew that were on weekend duty about the sampling and in-house testing. Also discussed the switch over to PAC. Steve to draft letter regarding the request to switch, which will trigger the procedure.

11/27/23 – Met with Brayton Round and Paul Bisson from Harrisville Water along with their engineer Garry McCarthy of Stantec to discuss potential use of sewer easement to get new water line under the river.

**4. PERMIT LIMIT REPORT**

Refer to the following pages imported from plant data management system.

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

 No value exceeding limit \_\_\_\_\_\_

Location/Parameter Units Limit Actual\_

INFLUENT – INFLUENT

Flow Mgd – Flow Rate

 Average MGD 1.5 0.7847

 Minimum, 11/18/2023 MGD 0.6660

 Maximum, 11/1/2023 MGD 0.9060

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Bod 5 – Bod 5 Day

 Average MG/L 30 1.6

 Max Weekly Avg (Wed Rule) MG/L 45 2.1

 Maximum, 11/12/2023 MG/L 50 2.2

EFFLUENT BOD – EFFLUENT BOD

Loadings – Loadings in Pounds

 Average LB/Day 375.3 10.0

 Maximum, 11/14/2023 LB/Day 625.5 13.4

RAW INFLUENT – RAW INFLUENT COMPOSITE

Bod 5 – Bod 5 Day

 Average MG/L 224

 Maximum, 11/19/2023 MG/L 282

INFLUENT BOD – INFLUENT BOD

Loadings – Loadings in Pounds

 Average LB/Day 1428.4

 Maximum, 11/23/2023 LB/Day 1643.5

EFFLUENT BOD – EFFLUENT BOD

Percent Removal – Percent Removal

 Average (Lower Limit) % 85.0 99.3

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Solids TSS – Total Suspended Solids

 Average MG/L 30 2.8

 Avg Weekly Avg (Wed Rule) MG/L 45 2.9

 Maximum, 11/4/2023 MG/L 50 5.6

EFFLUENT TSS – EFFLUENT TSS

Loadings – Loadings in Pounds

 Average LB/Day 375.3 17.8

 Maximum, 11/4/2023 LB/Day 625.5 36.7

RAW INFLUENT – RAW INFLUENT COMPOSITE

Solids TSS – Total Suspended Solids

 Average MG/L 287.7

 Maximum, 11/5/2023 MG/L 492.0

INFLUENT TSS – INFLUENT TSS

Loadings – Loadings in Pounds

 Average LB/Day 1876.4

 Maximum LB/Day 3381.1

EFFLUENT TSS – EFFLUENT TSS

Percent Removal – Percent Removal

 Average (Lower Limit) % 85.0 99.0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Solids Settlbl – Settleable Solids

 Maximum, 11/22/2023 ML/L 0.1

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Enterococci – Enterococci

 Average #/100 ML 54 2.1

 Maximum, 11/23/2023 #/100 ML 175 8.7

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, 11/1/2023 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 7.93

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Phosphorus – Phosphorus Total

 Average MG/L 1.0 0.43

 Maximum, 11/23/2023 MG/L 1.07

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ortho Phosphat – Orthophosphate Total

 Average MG/L 0.45

 Maximum, 11/23/2023 MG/L 1.06

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

TKN – Total Kjeldahl Nitrogen

 Average MG/L 1.0

 Maximum, 11/2/2023 MG/L 1.0

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrate – Nitrate Nitrogen Total

 Average MG/L 5.74

 Maximum, 11/2/2023 MG/L 6.30

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrite – Nitrite Nitrogen Total

 Average MG/L 0.02

 Maximum MG/L 0.07

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrogen – Nitrogen Total

 Average MG/L 2.26

 Maximum, 11/2/2023 MG/L 7.30

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ammonia – NAmmonia Total

 Average MG/L 20.0 0.2

 Maximum MG/L 103 0.6

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Copper – Copper Total

 Average UG/L 8.0 2.5

 Maximum, 11/5/2023 UG/L 10.6 2.9

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Lead – Lead Total

 Average UG/L 1.2 <0.5

 Maximum, 11/2/2023 UG/L 27.5 <0.5

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Zinc – Zinc Total

 Average UG/L 68.3 12.0

 Maximum, 11/5/2023 UG/L 68.3 13.0

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Iron – Iron Total

 Maximum, 11/5/2023 UG/L 734

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. Trimble. All in favor, so voted.

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

**Adjournment –** Mr. Rouleau made a motion to adjourn the Meeting. The motion was seconded by Mr. Nolan. 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