Burrillville Sewer Commission

Regular Meeting of September 12, 2023

Board Room of the BWWTF

Members Present: William Andrews – Chairman

Richard Nolan – Vice Chairman

Gary Rouleau – Commission Member

Daniel Joubert – Commission Member

Also Present: Tim Kane – Attorney for the Commission

James Dyment – Consulting Engineer

Dennis Anderson – Town Council Liaison

Michael Emond – Superintendent

Stacey Richard – Office Manager

**Agenda Item –** The question of accepting the Minutes of the Regular Meeting of August 8, 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 August 8, 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:** Letter from Mike Hodge, VP of Strategic Accounts, Synagro, regarding notice of breakdown of equipment due to equipment failure at the Woonsocket Incineration/Wastewater Treatment Facility and action of government.

Mr. Emond stated that He spoke with Pat Rimkowski of Synagro, who feels confident that Synagro will continue working with the Woonsocket Treatment Plant to process sludge. The BSC contract with Synagro is valid until 2027. There was some discussion on this matter.

**Voted –** Mr. Nolan made a motion to receive and file the letter from Mike Hodge of Synagro. The motion was seconded by Mr. Rouleau. All in favor, so voted.

**Old Business –** None

**Invoices –** None

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

RI Infrastructure Bank – Pay Request #19 in the amount of $7,880.00

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. Nolan made a motion to authorize the Chairman to approve and pay RI Infrastructure Bank Pay Request #19 in the amount of $7,880.00, including Exhibits A, F and G. The motion was seconded by Mr. Rouleau. All in favor, so voted.

Headworks Update

PAC Pilot Study Update

Facilities Plan Reaffirmation Update

WER Testing Update

Mr. Dyment stated that there was a meeting on September 12, 2023 with Mr. Andrews, Mr. Nolan, Mr. Emond, Mr. Richtarik of BETA Engineering, himself and representatives from Hart Engineering and RIDEM. Mr. Andrews stated that the estimated date of completion of the Headworks and Oakland Pump Station upgrades is April 2026. Mr. Dyment stated that he and Ms. Richard are coordinating with RI Infrastructure Bank regarding payments. Mr. Dyment is waiting for responses from RIDEM regarding the PAC Pilot Study and the Facilities Plan. He also stated that he has preliminary results from the first round of WER Testing. Results look good so far.

**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 he drafted an easement and sent it to the owner of the old Tuffy’s Bar. He has not yet received a response. He may need to obtain an appraisal for the easement.

**Voted –** Mr. Joubert made a motion to authorize Mr. Kane to hire an appraiser, as necessary, to do an appraisal of the easement. The motion was seconded by Mr. Nolan. All in favor, so voted.

**Voted –** Mr. Rouleau 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 August, 2023

**1. WWTF OPERATIONS**

1. Influent to Treatment Facility – MGD

Average Daily Flow = 0.7791

Maximum Daily Flow = 0.9460 on 08-August

Minimum Daily Flow = 0.6750 on 27-August

Percent Average

Removal Concentration

1. Biochemical Oxygen Demand

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

August achieved = 99.4% 1.1 mg/L

1. Total Suspended Solids

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

August achieved = 98.8% 3.0 mg/L

1. Total Phosphorus

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

August achieved = 99.4% 0.02 mg/L

1. Total Ammonia

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

August achieved = 99.0% 0.2 mg/L

1. Total Copper

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

August achieved = 99.4% \*1.3 ug/L

1. Disposed Sludge

Dry Tons Disposed of = 29.79

Number of Loads Removed = 40

Average Dry Tons / Load = 0.74

\*The copper results for the fourth and fifth weeks of August 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 August 2022.

The most recent permit excursions were two permit excursions reported in the month of 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 three (3) call-ins for the wastewater treatment facility for August 2023.

8/8/23 – No potable water – Drained air from receiver tank. Float switch sticking. Pumped water into tank.

8/13/23 & 8/19/23 – High Blended Sludge Tank – Condensation buildup in bubbler air lines causing false high level. Purged bubbler tubes. Return to normal.

**2. COLLECTION SYSTEM OPERATIONS**

There were two (2) after hour collection system call-in responses for the month of August 2022. Find the call-in table below:

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Location | Nature of Call / Alarm Condition | Issue Found |
| 8/2/23 | South Main Street PS | High Wet Well | Condition returned to normal before crew arrived. Crew checked pump station. No problem. Everything normal. |
| 8/31/23 | Beach Road ES | High Wet Well | Rags. Back-flushed to clear rags and pumped down wet well. |

**3. OTHER ACTIVITIES & CURRENT ISSUES**

8/8/23 – Received comments from Alex Pinto of RIDEM regarding the Facilities Plan Amendment. BETA to address comments.

8/9/23 – New RAS pump was delivered by Industrial Pump.

8/28/23 – Received the signed Notice to Proceed letter to Hart Engineering from James Dyment.

**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 0.7791

Minimum, 8/27/2023 MGD 0.6750

Maximum, 8/8/2023 MGD 0.9460

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Bod 5 – Bod 5 Day

Average MG/L 10 1.1

Max Weekly Avg (Wed Rule) MG/L 15 1.2

Maximum, 8/13/2023 MG/L \_17 \_\_\_\_1.4

EFFLUENT BOD – EFFLUENT BOD

Loadings – Loadings in Pounds

Average LB/Day 125.1 7.1

Maximum, 8/13/2023 LB/Day 212.7 \_\_\_\_9.2

RAW INFLUENT – RAW INFLUENT COMPOSITE

Bod 5 – Bod 5 Day

Average MG/L 204

Maximum, 8/24/2023 MG/L \_\_\_305

INFLUENT BOD – INFLUENT BOD

Loadings – Loadings in Pounds

Average LB/Day 1305.2

Maximum, 8/24/2023 LB/Day 1864.5

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 3.0

Avg Weekly Avg (Wed Rule) MG/L 20 3.2

Maximum, 8/18/2023 MG/L \_25 \_\_\_\_5.8

EFFLUENT TSS – EFFLUENT TSS

Loadings – Loadings in Pounds

Average LB/Day 187.7 19.7

Maximum, 8/18/2023 LB/Day 625.5 \_\_\_39.6

RAW INFLUENT – RAW INFLUENT COMPOSITE

Solids TSS – Total Suspended Solids

Average MG/L 261.1

Maximum, 8/24/2023 MG/L \_492.0

INFLUENT TSS – INFLUENT TSS

Loadings – Loadings in Pounds

Average LB/Day 1666.4

Maximum, 8/24/2023 LB/Day 3007.7

EFFLUENT TSS – EFFLUENT TSS

Percent Removal – Percent Removal

Average (Lower Limit) % 85.0 \_\_\_98.8

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Solids Settlbl – Settleable Solids

Maximum, 8/1/2023 ML/L \_\_\_\_0.0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Enterococci – Enterococci

Average #/100 ML 54 2.1

Maximum, 8/5/2023 #/100 ML 175 \_\_\_\_\_\_\_\_\_ 17.8

EFFLUENT GRAB – FINAL EFFLUENT GRAB

TRC – TRC Daily Average

Average UG/L 22 0

Maximum, 8/1/2023 UG/L 39 \_\_\_\_\_ 0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

pH1 – pH 1

\*\* Effluent Minimum pH S.U. 6.0 6.11

Effluent Maximum pH S.U. 9.0 \_\_\_6.98  
FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Phosphorus – Phosphorus Total

Average MG/L 0.1 0.02

Maximum MG/L \_\_\_0.09

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ortho Phosphat – Orthophosphate Total

Average MG/L 0.00

Maximum, 8/3/2023 MG/L \_\_\_0.00

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

TKN – Total Kjeldahl Nitrogen

Average MG/L 1.4

Maximum, 8/17/2023 MG/L \_\_\_\_2.1

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrate – Nitrate Nitrogen Total

Average MG/L 7.54

Maximum, 8/3/2023 MG/L \_\_\_7.54

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrite – Nitrite Nitrogen Total

Average MG/L 0.01

Maximum MG/L \_\_\_0.02

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrogen – Nitrogen Total

Average MG/L 1.75

Maximum, 8/3/2023 MG/L \_\_\_8.70

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ammonia – Nammonia Total

Average MG/L 5.1 0.2

Maximum, 8/3/2023 MG/L 42.6 \_\_\_\_0.3

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Copper – Copper Total

Average UG/L 8.0 1.3

Maximum, 8/17/2023 UG/L \_10.6 \_\_\_\_2.5

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Lead – Lead Total

Average UG/L 1.1 <0.5

Maximum, 8/3/2023 UG/L \_27.5 \_\_\_<0.5

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Iron – Iron Total

Maximum UG/L

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. Rouleau. All in favor, so voted.

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

**Adjournment –** Mr. Nolan 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

Commission Member