Burrillville Sewer Commission

Regular Meeting of October 10, 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: Nichole Carroll Barnes – Attorney with Kane Law Offices

James Dyment – Consulting Engineer

Dennis Anderson – Town Council Liaison

Michael Emond – Superintendent

Jacqueline Batalon – Financial Aide

**Agenda Item –** The question of accepting the Minutes of the Regular Meeting of September 12, 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 September 12, 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: 24-04-02 –** Letter from Paul Brais, Construction Supervisor, NeighborWorks, asking for an abatement of Fiscal Year 2023 sewer use bill for 180 George Eddy Drive.

There was some discussion on this matter, as the house has not yet been built.

**Voted –** Mr. Nolan made a motion to abate the bill for Fiscal Year 2023 and to suspend further sewer use charges until a Certificate of Occupancy has been issued by the Building Official. The motion was seconded by Mr. Joubert. All in favor, so voted.

**New Business:** Discuss and take possible action on illegal sump pump connection found by the Town Building Official at 30-32 Eagle Peak Road, Pascoag.

Mr. Emond stated that he was contacted by the Town Building Official, Steve Dettonancourt, to notify him that Mr. Dettonancourt had been called to the property for a flooding and possible electrical issue. While in the domicile, Mr. Dettonancourt observed an illegal sump pump connected to the sanitary sewer system. He contacted Mr. Emond to determine how to handle the situation. Mr. Emond stated that he reached out to Attorney Tim Kane for advisement on the issue. There was some discussion on this matter.

**Voted –** Mr. Nolan made a motion to authorize Attorney Tim Kane to send a letter, with a copy of the BSC Rules and Regulations, to the homeowner, copied to the Building Official, stating that the homeowner will have sixty (60) days to resolve the issue. 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 #20 in the amount of $6,129.00

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 sign and pay RI Infrastructure Bank Pay Request #20 in the amount of $6,129.00, including Exhibits A, F and G. The motion was seconded by Mr. Rouleau. All in favor, so voted.

Task Order No. 19 – Grant Writing Assistance – not to exceed $2,040.00

**Voted –** Mr. Rouleau made a motion to approve Task Order No. 19 for grant writing assistance, not to exceed $2,040.00. The motion was seconded by Mr. Nolan. All in favor, so voted.

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

**Attorney’s Report:** Ms. Carroll Barnes stated that there was nothing new to report this month.

**Superintendent’s Report:**

Report for the month of September, 2023

**1. WWTF OPERATIONS**

1. Influent to Treatment Facility – MGD

Average Daily Flow = 0.9768

Maximum Daily Flow = 1.6790 on 30-Sep

Minimum Daily Flow = 0.5890 on 03-Sep

Percent Average

Removal Concentration

1. Biochemical Oxygen Demand

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

September achieved = 99.4% 1.2 mg/L

1. Total Suspended Solids

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

September achieved = 98.8% 3.3 mg/L

1. Total Phosphorus

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

September achieved = 98.9% 0.04 mg/L

1. Total Ammonia

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

September achieved = 99.4% 0.1 mg/L

1. Total Copper

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

September achieved = 97.9% \*3.6 ug/L

1. Disposed Sludge

Dry Tons Disposed of = 28.37

Number of Loads Removed = 34

Average Dry Tons / Load = 0.83

\* The copper result for the fourth week of September 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 September 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 September 2022.

9/4/03 – High Blended Sludge Tank – Purged bubbler tubes; tank level returned to normal.

9/6/23 – High Initial Chlorine Residual – Flushed analyzer, verified final effluent sample was reaching analyzer and ran chlorine residual in lab to verify reading on analyzer was correct.

9/27/23 – Phos System / Loss of Air – High temperature faults occurred in both air compressors, which shut them down. Changed air filter on drive #2. Changed air and oil filters on compressor #1. Cleared R2 faults on both compressors.

**2. COLLECTION SYSTEM OPERATIONS**

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

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Location | Nature of Call / Alarm Condition | Issue Found |
| 9/9/23 | School Street PS | Generator running / Transfer switch | Condition returned to normal before crew arrived. Checked station to confirm all systems had returned to normal. |
| 9/13/23 | Spring Lake PS | Generator running | Condition returned to normal before crew arrived. Very stormy condition with flash flood warning issued. Checked station and pumps; back to normal. |

**3. OTHER ACTIVITIES & CURRENT ISSUES**

9/7/23 – Final Effluent composite sample collected for WER Study. BETA staff portioned sample to appropriate parameter analysis bottles and filtered a portion of the sample for dissolved metals analysis. All samples shipped by BETA to contract lab.

9/12/23 – Headworks and Oakland Pump Station Upgrades Kick-off Meeting hosted by James Dyment and Alan Gunnison of BETA. Attendants from the Burrillville Sewer Commission were Chairman Bill Andrews, Vice-Chairman Richard Nolan, Superintendent Mike Emond and Office Manager Stacey Richard. VP James Ramos and Project Manager Christiaan George from Hart Engineering were in attendance as well as Tomas Saccoccio from RIDEM. At the meeting, a general outline of the scope and schedule of the projects was discussed as well as the reporting requirements to comply with EPA, RIDEM and RIIB.

9/14/23 – Reported to RIDEM status of hurricane preparedness at the plant and pump stations in anticipation of Hurricane Lee’s arrival.

9/26/23 – At 2PM, meeting with Town of Burrillville Planning Director Ray Goff for Municipal Resiliency Planning (MRP) at the Town Hall Annex. DPW Director Jeff McCormick, Finance Director Leslie McGovern and Acting Town Manager Steve Lynch (Police Chief) also attended meeting. The group discussed the priority for this year and new MRP grants offered by the RIIB. The group will be combining all requests into one application submitted to RIIB by October 27, 2023.

**4. PERMIT LIMIT REPORT**

Refer to following pages imported from plant data management system.

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

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Location/Parameter Units Limit Actual\_

INFLUENT – INFLUENT

Flow Mgd – Flow Rate

Average MGD 1.5 0.9768

Minimum, 9/3/2023 MGD 0.5890

Maximum MGD 1.6790

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Bod 5 – Bod 5 Day

Average MG/L 10 1.2

Max Weekly Avg (Wed Rule) MG/L 15 1.4

Maximum, 9/7/2023 MG/L \_17 \_\_\_\_2.1

EFFLUENT BOD – EFFLUENT BOD

Loadings – Loadings in Pounds

Average LB/Day 125.1 8.7

Maximum, 9/4/2023 LB/Day \_212.7 \_\_\_13.0

RAW INFLUENT – RAW INFLUENT COMPOSITE

Bod 5 – Bod 5 Day

Average MG/L 192

Maximum, 9/7/2023 MG/L \_\_\_276

INFLUENT BOD – INFLUENT BOD

Loadings – Loadings in Pounds

Average LB/Day 1417.3

Maximum, 9/26/2023 LB/Day 2260.7

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 3.3

Avg Weekly Avg (Wed Rule) MG/L 20 3.1

Maximum, 9/15/2023 MG/L \_25 \_\_\_\_7.8

EFFLUENT TSS – EFFLUENT TSS

Loadings – Loadings in Pounds

Average LB/Day 187.7 24.8

Maximum, 9/15/2023 LB/Day \_625.5 \_\_\_59.2

RAW INFLUENT – RAW INFLUENT COMPOSITE

Solids TSS – Total Suspended Solids

Average MG/L 246.0

Maximum, 9/10/2023 MG/L \_332.0

INFLUENT TSS – INFLUENT TSS

Loadings – Loadings in Pounds

Average LB/Day 1914.8

Maximum, 9/28/2023 LB/Day 3150.7

EFFLUENT TSS – EFFLUENT TSS

Percent Removal – Percent Removal

Average (Lower Limit) % 85.0 \_\_\_98.9

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Solids Settlbl – Settleable Solids

Maximum, 9/1/2023 ML/L \_\_\_\_0.0

EFFLUENT GRAB – FINAL EFFLUENT GRAB

Enterococci – Enterococci

Average #/100 ML 54 1.7

Maximum, 9/23/2023 #/100 ML 175 \_\_\_16.4

EFFLUENT GRAB – FINAL EFFLUENT GRAB

TRC – TRC Daily Average

Average UG/L 22 0

Maximum, 9/1/2023 4 UG/L 39 \_\_\_\_\_0

RFFLUENT GRAB – FINAL EFFLUENT GRAB

pH1 – pH1

Effluent Minimum pH S.U. 6.0 6.22

Effluent Maximum pH S.U. 9.0 \_\_\_6.91

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Phosphorus – Phosphorus Total

Average MG/L 0.1 0.04

Maximum, 9/7/2023 MG/L \_\_\_0.10

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ortho Phosphat – Orthophosphate Total

Average MG/L 0.00

Maximum, 9/7/2023 MG/L \_\_\_0.00

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

TKN – Total Kjeldahl Nitrogen

Average MG/L 0.9

Maximum, 9/21/2023 MG/L \_\_\_\_1.0

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrate – Nitrate Nitrogen Total

Average MG/L 9.02

Maximum, 9/7/2023 MG/L \_10.79

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrite – Nitrite Nitrogen Total

Average MG/L 0.01

Maximum, 9/21/2023 MG/L \_\_\_0.02

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Nitrogen – Nitrogen Total

Average MG/L 4.96

Maximum, 9/7/2023 MG/L \_11.73

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Ammonia – Nammonia Total

Average MG/L 5.1 0.1

Maximum, 9/21/2023 MG/L 42.6 \_\_\_\_0.3

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Copper – Copper Total

Average UG/L 8.0 3.6

Maximum, 9/7/2023 UG/L 10.6 \_\_\_\_6.9

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Lead – Lead Total

Average UG/L 1.1 <0.5

Maximum, 9/7/2023 UG/L 27.5 \_\_\_<0.5

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Zinc – Zinc Total

Average UG/L 68.3 10.7

Maximum, 9/7/2023 UG/L 68.3 \_\_\_13.0

FINAL EFFLUENT – FINAL EFFLUENT COMPOSITE

Iron – Iron Total

Maximum, 9/21/2023 UG/L \_\_\_\_\_\_468.000

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. Rouleau. All in favor, so voted.

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

**Adjournment –** Mr. Joubert 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