

Treatment Plant Performance

- The water treatment plant produced 258.5 million gallons of finished water in July. Average daily production of 8.3 million gallons.
- A total of 350.8 million gallons of raw water was pumped this month.
- RIPDES discharge flow for this month was 44.4 million gallons of decant (1.433 mgd) = 12.7% of raw water usage.
- Adjustments continue to be made to coagulant and polymer dosages, B/W and rinse cycle timers to optimize clarifier and filter performance and minimize decant flow.
- Decant flow increased in July by 435,000 gallons due to increase in daily influent flows and water quality upset.
- The filtration plant operated under full compliance for water quality in the month of July.

Operation and Maintenance

- Extremely high color and raw water turbidities caused increased filter effluent turbidities for several days. Frequent Jar testing and UV-254 analysis for TOC removal through the plant was implemented during the event and used to adjust chemistry with the rapidly changing source water quality. The facility avoided any turbidity violations during the event. During the high color and turbidity event there were several Individual filters that exceeded 0.5NTU's in two consecutive 15 minute measurements at the end of the first four hours of continuous operation after the filter had been backwashed. The facility remained in full compliance during the event.
- GAC replacement on Filter 3 (220A) began on 07/31 and returned to service on 08/02
- Lime system #1 mixing tank was cleaned out and both the gearbox & drive motor were replaced
- Preventive maintenance continues on all equipment.
- We received 5 chemical deliveries in June
- Employees continue working on grounds maintenance tasks at the wells and the other facilities.
- Solitude Lake Management performed water quality sampling in Robin Hollow and Happy Hollow Reservoirs on 06/20 and treatments in Robin Hollow and Happy Hollow Reservoirs on 07/17 and 2 applications on 07/10 & 07/24
- Synagro continues to process material with both centrifuges on site at Mill St.

Safety

- Site Specific Training – on going with tailgates, safety talks.
- No work related injuries were reported in July.
- No near misses reported.

Operational report submitted by:

Veolia - Pawtucket, RI
July Monthly Operating Report
August 2, 2023



Matthew Furtado

Laboratory Completed
July 2023

Reservoirs / Curran Brook Project picked up by PWSB:

7/5 Reservoirs 15 - 20 CB,CBA
7/11 Reservoirs 10 - 14 CB,CBA
7/18 Reservoirs 7 - 9 A, CB,CBA
7/25 Reservoirs 1-5 CB,CBA

Monthly Plant Samples:

7/20 (Happy Hollow, 315/Clearwell, 420/TPE, 85 Branch St,
Distribution of the week, Well Line)

Wells:

7/6 Well 4, 8
7/13 Well 4, 8
7/20 Well 4, 8
7/27 Well 4, 8

WQP Sampling: **7/11** 420, 85 Branch Street
7/17 - 7/20 Distribution
7/25 420, 85 Branch Street

DMR Sampling:

7/12 Decant Line
7/19 Decant Line

Laboratory results submitted by:

Veolia - Pawtucket, RI
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Nathan Bonin

