

Veolia - Pawtucket, RI
Monthly Operating Report
September 6, 2022



Treatment Plant Performance

- The water treatment plant produced 357.0 million gallons of finished water in August. Average daily production of 11.5 million gallons.
- A total of 419.7 million gallons of raw water was pumped this month.
- RIPDES discharge flow for this month was 72.1 million gallons of decant (2,325,000 gals/day) = 17.2% 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 August due to increased filter backwashing and clarifier rinses due to higher filtration rates and extra backwashes to meet system demand.
- The filtration plant operated under full compliance for water quality in the month of August. However, the monthly average decant flow exceeded the RIPDES permit limit of 1.6 MGD. The monthly average decant flow for August was 2.33 MGD.

Operation and Maintenance

- Preventive maintenance continues on all equipment.
- Employees continue working on grounds maintenance tasks at the wells and the other facilities.
- Synagro continued to explore alternative methods to improve the sludge removal process from the sedimentation basin at the Mill Street location. Synagro made adjustments to their process and increased solids production. An additional centrifuge will be delivered in September to increase residual production from the project.
- Solitude Lake Management performed water quality sampling and visual inspection for presence of vegetative and/or algae growth in Robin Hollow and Happy Hollow Reservoirs.

Safety

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

Operational report submitted by:
Stephen Soito

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Laboratory Completed
August 2022

Reservoirs / Curran Brook Project picked up by PWSB:

8/2 Reservoirs 1 – 6
8/9 Reservoirs 15 - 20
8/16 Reservoirs 10 - 14
8/23 Reservoirs 7 - 9
8/30 Reservoirs 1, 2, 4 & 5

Monthly Plant Samples:

8/18 (Happy Hollow, 315/Clearwell, 420/TPE, 85 Branch St,
Distribution of the week, Well Line)

Wells:

8/4 Well 4, 7, 8
8/11 Well 4, 7, 8
8/18 Well 4, 7, 8
8/25 Well 4, 7, 8

WQP Sampling: **8/9** 420, 85 Branch Street
8/15 - 8/18 Distribution
8/23 420, 85 Branch Street

DMR Sampling:

8/10 Decant Line
8/17 Decant Line

Laboratory results submitted by:
Nathan Bonin