

Water Treatment Plant Monthly Report

August 2024

1. Raw water quality was good for August. The raw water temp increased to around 78F. We experienced a few temp inversions which slowed production through the events. The operators responded as expected and produced good quality water.
2. We continue to work on WIIA I and WIIA II grants. We are receiving submittals for the 21-1ER contract. The 21-2 Tank prep and demo contract is complete. The 21-2T contract is being manufactured and submittals are being reviewed. We have received submittals for Contract 21-1G. The pumps have been ordered. Diehl Construction began mobilization at BS #1 on August 19th with slow progress due to excessive groundwater.
3. We are still experiencing drastically increased water demand for this time of year. We pumped approximately 20% more water this August compared to last year. Q4 of 2023 we had 25.5% water loss in the village. Operators are burning out as weekend nights are getting tough to cover. Jeremy Graham has spent roughly 2/3 of his hours operating to cover shifts rather than on maintenance.
4. The River Crossing "Emergency Repair" has hit yet another road block. We were informed that DOT is planning to replace the bridge in 2028 and their foundation structures will be very close to the location of the existing/proposed water main. We are working with Wendel to get this issue resolved.
5. On Aug 1st, We performed an electric demand response event for 5 hours through the NY ISO program and Rodan energy.
6. On Aug 5th, we received Jeremy Graham's NYS Grade C and D license certification.
7. On Aug 6th, Adam Rush spent 2 hours with the Town of Shelby doing DiamondMaps training.
8. On Aug 13th, we had divers from Scuba Services in the raw well to repair a broken chemical (ClO₂) injection line. A compression fitting was installed successfully./
9. On Aug 20th, Adam Rush submitted his resignation to the mayor and attorney effective 9/20/2024. The rest of the board was notified on 8/28/2024.
10. On Aug 26th, I submitted the Drinking Water Fluoridation Round 2, Quarter 8 report to NY DOH Bureau of Family Health for the Fluoride Grant.

Aug-24

Wages

Operator	Rate	Reg Hrs	SD	OT	OTSD	VAC/ Pers	Sick	Total Hrs	Cost	YTD
Adam Rush	42.24	Salary							\$7,321.60	\$51,024.28
Matt Smith	30.70	51	60.0		18	10	39	178	\$5,823.55	\$48,110.20
Jeremy Graham	30.67	128	26.0	11	49	16	14	244	\$8,498.11	\$45,573.59
Levi Boyer	30.38	30	86.0	3	16	50	24	209	\$6,742.53	\$48,258.89
Bryan Vagg	28.60	26	108.0	10	31	2	6	183	\$6,566.88	\$38,957.60
Kevin Kelly	Salary							0	\$597.31	\$4,181.17
Total		235	280	24	114	78	83	814	\$35,549.97	\$247,417.88

Operations

Water Pumped	58,169,000
AVG MGD	1.876
PACI	2836
Cl2	1291
NaClO2	2580
BS #1 Pumped MG	48.59
Raw NTU	5.21
Finish NTU	0.0621

Dosing

Coagulant PPM	5.85
Cl2 PPM	2.66
Chlorite PPM	5.32

Costs

Monthly KWH	108986
Elec. Demand	208.1
Elec Delivery	\$6,665.01
Energy	\$1,005.24
Demand	\$2,468.07
Elec Cost	\$10,138.32
Elec/MG	\$0.28
H2O Sales @ \$2.94/K	\$153,915.17
% Electric	6.59%
BS #1 Elec	\$6,280.51
PACI Cost	\$3,523.54
Cl2 Cost	\$3,860.09
NaClO2 Cost	\$5,547.00

YTD

Water Pumped	446,452,000	
Coagulant	22,717	\$28,224.40
Chlorine	9,439	\$26,712.37
Chlorite	20,290	\$43,623.50
Wages	\$247,417.88	

Total Costs

Total E+C	\$29,349.46
E+C+P	\$64,899.43
Profit	\$89,015.74
E+C / 1K	\$0.50
Personnel Cost/ 1K	\$0.61
Cost per 1000 Gal	\$1.12
Per K/Gal Aug 2023	\$1.16
Per K/Gal July 2024	\$1.17