

Water Treatment Plant Monthly Report

June 2024

1. Raw water quality was good for June. The raw water temp increased to around 70F. 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 moving along nicely. 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.
3. Fluoride dosing began on June 12th @ a feed rate of 0.7 mg/L. We are awaiting Keelers on a few outstanding repair items. The double door fitment is unacceptable. They have proposed hiring a door company to remove and re-install the frame. Anticipated completion is the week of 7-8.
4. We have changed out all Badger endpoints but have issues with 1 meter in Carlton and 1 in Gaines. These meters show an endpoint tamper code which may be derived from water intrusion into the meter head. I have notified the involved parties and they are aware.
5. We are still experiencing drastically increased water demand for this time of year. We pumped approximately 20% more water this June compared to last year. Q4 of 2023 we had 25.5% water loss in the village. Operators are already beginning to burn out as weekend nights are getting tough to cover.
6. 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.
7. On June 3rd, members from the local and state DOH visited the plant to discuss CT Requirements at our plant. Great discussion was had regarding lowering our currently required dosing of disinfectant.

Jun-24

Wages

Operator	Rate	Reg Hrs	SD	OT	OTSD	VAC/ Pers	Sick	Total Hrs	Cost	YTD
Adam Rush	42.10	Salary							\$7,267.33	\$36,535.61
Matt Smith	30.70	77	105.0		53		1	236	\$8,834.03	\$36,280.35
Jeremy Graham	30.67	129	39.0	1	36		10	215	\$7,849.80	\$31,103.59
Levi Boyer	30.38	22	158.0	2	49			231	\$8,612.40	\$35,795.74
Bryan Vagg	28.60	52	68.0		15.5	20	20	176	\$5,927.64	\$32,016.92
Kevin Kelly	Salary								\$597.31	\$2,986.55
Total		280	370	3	154	20	31	858	\$39,088.49	\$211,867.91

Operations

Water Pumped	61,149,000
AVG MGD	2.038
PACl	3036
Cl2	1371
NaClO2	2545
BS #1 Pumped MG	53.39
Raw NTU	3.73
Finish NTU	0.0385

Costs

Monthly KWH	114924
Elec. Demand	205.9
Elec Delivery	\$6,006.73
Energy	\$1,215.21
Demand	\$2,551.10
Elec Cost	\$9,773.04
Elec/MG	\$0.25
H2O Sales @ \$3.34/K	\$153,178.25
% Electric	6.38%
BS #1 Elec	\$5,817.73
PACl Cost	\$3,772.00
Cl2 Cost	\$4,099.29
NaClO2 Cost	\$5,471.75

Dosing

Coagulant PPM	5.95
Cl2 Per PPM	2.69
Chlorite PPM	4.99

YTD

Water Pumped	327,577,000
Coagulant	16,532
Chlorine	6,880
Chlorite	15,075
Wages	\$211,867.91

Total Costs

Total E+C	\$28,933.81
E+C+P	\$68,022.30
Operating Margin	\$85,155.94
E+C / 1K	\$0.47
Personnel Cost/ 1K	\$0.64
Cost per 1000 Gal	\$1.11

Per K/Gal Jun 2023	1.218132789
Per K/Gal May 2024	1.065769175