

Water Treatment Plant Monthly Report

May 2024

1. Raw water quality was very good for May. The raw water temp increased to around 60F. 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. We are almost online with the new fluoride building. All Grant reports submitted to DOH on time. Feed calibrations have been performed. 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 6-24. Once this is corrected, we plan to resume feeding fluoride to the water.
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 April 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. I worked to finalize the Annual Water Quality Report and get submitted to Lake Country Pennysaver for graphic design and mailing. The Report was in the Penny Saver on May 19th.
8. I completed the Vulnerability Assessment, Cybersecurity Assessment, and Emergency Response Plan and submitted to DOH on May 16th.
9. The 1MG Tank was taken out of service on May 16th. Demolition began on May 20th. The "oiled sand" was tested and approved for re-use on site.
10. We received 3000 Gallons of PC-610 coagulant from Holland company on 5/23.

May-24

Wages

Operator	Rate	Reg Hrs	SD	OT	OTSD	VAC/ Pers	Sick	Total Hrs	Cost	YTD
Adam Rush	41.06	Salary							7,167.07	\$28,668.28
Matt Smith	29.95	29.0	70.0		35.0	42.0	17.0	193	6,420.85	\$27,446.33
Jeremy Graham	29.92	90.5	49.5	0.5	8.0	33.5	7.5	190	5,855.43	\$23,253.80
Levi Boyer	29.64	78.0	116.0	0.0	20.0	15.0	13.0	242	7,607.98	\$27,183.35
Bryan Vagg	27.82	60.0	136.0	4.0	39.0		4.0	243	7,543.17	\$26,089.29
Kevin Kelly	Salary								597.31	\$2,389.24
Total		258	372	5	102	91	42	868	\$35,191.80	\$172,779.42

Operations

Water Pumped	58,819,000	Monthly KWH	110333	YTD	266,428,000
AVG MGD	1.897	Elec. Demand	205.9	Water Pumped	
PACl Lbs	2533	Elec Delivery	6,035.96	Coagulant	13,496
Cl2 Lbs	939	Energy	1,347.32	Chlorine	5,509
NaClO2 Lbs	2120	Demand	2,557.28	Chlorite	12,530
BS #1 Pumped MG	47.93	Elec Cost	9,940.56	Wages	\$172,779.42
Raw NTU	2.54	Elec/Kgal	\$0.29		
Finish NTU	0.0329	H2O Sales @ \$3.34/K	\$147,341.60		
		% Electric	6.75%		

Costs

Operating Margin	\$84,384.93
E-C / 1K	\$0.47
Personnel Cost/ 1K	\$0.60
Cost per 1000 Gal	\$1.070

Dosing

Coagulant PPM	5.16
Cl2 Per PPM	1.91
Chlorite PPM	4.32

Total Costs

Total E+C	\$27,764.87
E+C+P	\$62,956.67
Operating Margin	\$84,384.93
E-C / 1K	\$0.47
Personnel Cost/ 1K	\$0.60
Cost per 1000 Gal	\$1.070

Per K/Gal May 2023	\$1.138
Per K/Gal Apr 2024	\$1.130