



Month: January
Year: 2025



Date	Time	Filter (circle #)	Total Usage X1000 GAL	Raw Iron	Finished Water Quality (mg/L)							Ground Storage		Notes (backwash filter #, filter res. Cl, pressures, etc)	
					Iron	Free Cl2	Total Cl2	Hardness	Flouride	Ortho	Temp (F)	pH	Free Cl2		Total Cl2
31															
1		1 / 2 / 3													
2	8:10	1 / 2 / 3	2,031	0.12	0.02	1.14	0.98	310.00	0.22		61.20	7.50	0.74	1.26	Backwash #2
3	10:46	1 / 2 / 3	627	0.10	0.02	1.62	1.57	320.00	1.65		60.10	7.10	0.71	1.18	Backwash #3
4	6:55	1 / 2 / 3	719										0.72	1.17	
5	7:25	1 / 2 / 3	647										0.76	1.20	
6	10:48	1 / 2 / 3	803	0.25	0.00	0.84	1.20	305.00	0.42		57.00	7.50	0.79	1.19	pH Calibrated
7	8:14	1 / 2 / 3	821	0.28	0.02	1.68	1.71	309.00	0.07		59.00	7.50	0.90	1.35	Backwash#1
8	9:48	1 / 2 / 3	682	0.18	0.02	2.90	3.00	289.00	1.26		58.10	7.40	0.80	2.70	Backwash#2
9	8:31	1 / 2 / 3	760	0.14	0.02	1.88	1.96	305.00	2.12		57.70	7.50	0.78	1.15	Backwash #3
10	8:18	1 / 2 / 3	981	0.12	0.01	2.14	2.23	396.00	2.11		57.90	7.50	0.76	1.08	
11	3:16	1 / 2 / 3	849										0.96	1.20	
12	22:19	1 / 2 / 3	852										1.04	1.20	
13	8:14	1 / 2 / 3	907	0.29	0.01	1.21	0.99	305.00	0.27		57.00	7.70	1.03	1.18	pH Calibrated
14	7:34	1 / 2 / 3	895	0.14	0.01	1.04	1.85	300.00	1.25		57.20	7.70	1.07	1.18	Backwash #1
15	8:20	1 / 2 / 3	775	0.09	0.03	1.20	1.30	238.00	0.57		57.60	8.09	0.98	1.07	Backwashed #2
16	10:21	1 / 2 / 3	1,017	0.19	0.02	2.20	1.77	218.00	1.95		58.30	7.50	0.95	1.06	Backwash #3
17	8:14	1 / 2 / 3	592	0.23	0.02	2.34	2.47	195.00	2.83		59.21	7.50	0.94	1.05	
18	12:24	1 / 2 / 3	1,097										0.96	1.04	
19	5:11	1 / 2 / 3	859										0.93	1.01	
20	10:10	1 / 2 / 3	809										0.96	1.02	
21	8:08	1 / 2 / 3	779	0.20	0.01	0.98	0.82	322.00	0.19		56.10	7.90	0.93	1.00	pH Calibrated
22	9:36	1 / 2 / 3	951	0.16	0.01	0.80	1.39	296.00	0.56		56.50	7.70	0.82	0.93	Backwash #1
23	9:23	1 / 2 / 3	726	0.05	0.01	1.30	1.40	256.00	0.62		56.40	7.60	0.80	0.85	Backwash #2
24	8:41	1 / 2 / 3	987	0.15	0.01	1.67	1.36	330.00	1.10		57.00	7.70	0.84	0.77	Backwash #3
25	10:44	1 / 2 / 3	912										0.78	0.81	
26	7:36	1 / 2 / 3	930										1.16	1.16	
27	8:29	1 / 2 / 3	803	0.18	0.03	1.34	2.30	196.00	1.36		58.60	7.60	0.81	0.85	Backwash #1
28	8:24	1 / 2 / 3	1,001	0.13	0.01	2.15	2.24	270.00	1.31		57.20	7.70	0.82	0.82	Backwash #2, Bacti and Well Samples Taken
29	7:44	1 / 2 / 3	922	0.08	0.01	1.91	2.00	295.00	2.21		57.90	7.60	0.83	0.83	Backwash #3
30	9:00	1 / 2 / 3	829	0.04	0.01	1.90	2.20	260.00	1.71		57.30	7.70	0.77	0.80	
31	9:59	1 / 2 / 3	837	0.21	0.01	0.66	0.93	234.00	0.34		60.10	7.80	0.79	0.82	
			26,400												

METER LOCATION: Waterloo Plant

I certify that the information in this report is complete and accurate to the best of my knowledge:

REPORTED BY (SIGNATURE): _____
Cert. Or Reg. No. 054-87-2943

Phone: 618-973-0633

12.5% Chlorine Solution Fed
50% Sodium Hydroxide
94% Sulfuric Acid
24% Fluoride Solution Fed
% Orthophosphate

This Agency is authorized to require this information under Ill. Rev. Stat. 1979, Chapter 111 1/2, Section 1019. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 and an additional civil penalty up to \$1,000.00 for each day the failure continued, a fine up to \$1,000.00 and imprisonment up to one year. This form has been approved by the forms Management Center.

Test Kit used: Hach DR 3900



Month: January

Water Treatment Plant



Year: 2025

Chemical Usage Log

Date	Time	Softened X1000 Gal	Filter X1000 GAL	Grnd Stor X1000 GAL	Grnd Stor Usage	Sodium Hypochlorite (Chlorine) Usage			Sodium Hydroxide (Caustic) Usage			Sulfuric Acid Usage		Sodium Fluoride Usage		Ortho Phosphate Usage		Ground Storage CL2		Calculated Dosing of Solution (mg/L)					GS
						Bulk Tank (in)	Day Tank (in)	Usage (gal)	Bulk Tank (in)	Day Tank (in)	Usage (gal)	Day Tank (lbs)	Usage (lbs)	(lbs)	Usage (lbs)	(lbs)	Usage (lbs)	(lbs)	Usage (lbs)	CL2	Caustic	Sulfuric	Fluoride	Ortho	CL2
1		0	0		0	56.4	35.7	95.1	76.1	21.1	113.1	822.0	822.0	290.0	290.0	779.0	779.0	513.1	0.0						
2	8:10	0	2,031	983	983	56.4	25.8	26.4	76.1	21.1	0.0	822.0	0.0	261.0	29.0	779.0	0.0	513.1	0.0	1.62			0.41		0.00
3	10:46	0	627	1,992	1,009	56.4/54.9	19.4/36.4	17.0	76.1	21.1	0.0	822.0	0.0	243.0	18.0	779.0	0.0	513.1	0.0	3.39			0.83		0.00
4	6:52	0	719	3,160	1,168	54.9	28.4	21.3	76.1	21.1	0.0	822.0	0.0	221.0	22.0	779.0	0.0	513.1	0.0	3.71			0.88		0.00
5	7:25	0	647	4,067	907	54.9	24.3	10.9	76.1	21.1	0.0	822.0	0.0	209.0	12.0	779.0	0.0	509.0	4.1	2.11			0.53		0.07
6	18:18	0	803	4,480	413	54.9/54	21.9/32.5	6.4	76.1	21.1	0.0	821.0	1.0	202.0	7.0	779.0	0.0	509.0	0.0	1.00			0.25		0.00
7	8:17	0	821	5,212	732	54.0	27.5	5.0	76.1	21.1	0.0	821.0	0.0	187.0	15.0	779.0	0.0	509.0	0.0	0.76			0.53		0.00
8	9:52	0	682	6,113	901	54.0	22.0	14.7	76.1	21.1	0.0	821.0	0.0	172.0	15.0	779.0	0.0	509.0	0.0	2.69			0.63		0.00
9	8:31	0	760	6,949	682	54.0	17.1	13.1	76.1	21.1	0.0	821.0	0.0	158.0	14.0	762.0	17.0	480.0	29.0	2.15			0.53		0.64
10	8:18	0	981	7,753	804	54.0/51.9	11.6/35.4	14.7	76.1	21.1	0.0	822.0	-1.0	143.0	15.0	762.0	0.0	474.9	5.1	1.87			0.44		0.10
11	3:16	0	849	8,983	1,230	51.9	29.0	17.0	76.1	21.1	0.0	822.0	0.0	127.0	16.0	762.0	0.0	466.0	8.9	2.51			0.54		0.11
12	22:19	0	852	10,229	1,246	51.9	20.9	21.6	76.1	21.1	0.0	822.0	0.0	105.0	22.0	762.0	0.0	456.0	10.0	3.17			0.74		0.12
13	8:14	0	907	10,468	239	51.9/50.5	19.6/35.6	3.5	76.1	21.1	0.0	822.0	0.0	102.0	3.0	767.0	-5.0	440.1	15.9	0.48			0.10		1.00
14	7:34	0	895	11,367	899	50.5	35.1	1.3	76.1	21.1	0.0	822.0	0.0	86.5	15.5	768.0	-1.0	435.1	5.0	0.19			0.50		0.08
15	8:00	0	775	12,262	895	50.5	25.1	26.6	76.1	21.1	0.0	821.0	1.0	73.9/156	12.6	768.0	0.0	432.0	3.1	4.30			0.47		0.05
16	10:27	0	1,017	13,202	940	50.5	19.5	14.9	76.1	21.1	0.0	821.0	0.0	137.0	19.0	768.0	0.0	432.0	0.0	1.83			0.54		0.00
17	8:14	0	592	13,952	750	50.5/48.7	14.6/35.2	13.1	76.1	21.1	0.0	821.0	0.0	123.0	14.0	768.0	0.0	432.1	-0.1	2.77			0.68		0.00
18	12:24	0	1,097	14,974	1,022	48.8	29.7	14.7	76.1	21.1	0.0	821.0	0.0	107.0	16.0	768.0	0.0	432.1	0.0	1.67			0.42		0.00
19	5:11	0	859	15,502	528	48.8	24.9	12.8	76.1	21.1	0.0	821.0	0.0	92.6	14.4	768.0	0.0	442.0	-9.9	1.86			0.48		-0.28
20	10:10	0	809	16,506	1,004	48.8	19.8	13.6	76.1	21.1	0.0	821.0	0.0	77.7	14.9	768.0	0.0	442.0	0.0	2.10			0.53		0.00
21	8:08	0	779	17,288	782	48.8/47.3	15.9/32	10.4	76.1	21.1	0.0	821.0	0.0	73.9/391	3.8	768.0	0.0	442.0	0.0	1.67			0.14		0.00
22	8:46	0	951	18,222	934	47.3	27.5	12.0	76.1	21.1	0.0	821.0	0.0	387.0	4.0	768.0	0.0	447.0	-5.0	1.58			0.12		-0.08
23	8:30	0	726	19,102	880	47.3	23.8	9.9	76.1	21.1	0.0	821.0	0.0	383.0	4.0	768.0	0.0	434.0	13.0	1.70			0.16		0.22
24	8:41	0	987	19,907	805	47.3/46	19.5/34.4	11.5	76.1	21.1	0.0	821.0	0.0	379.0	4.0	768.0	0.0	434.0	0.0	1.46			0.12		0.00
25	10:45	0	912	20,800	893	46.0	30.5	10.4	76.1	21.1	0.0	822.0	-1.0	373.0	6.0	768.0	0.0	434.0	0.0	1.42			0.19		0.00
26	7:36	0	930	21,487	687	46.0	26.0	12.0	76.1	21.1	0.0	822.0	0.0	369.0	4.0	768.0	0.0	439.0	-5.0	1.61			0.12		-0.11
27	8:08	0	803	22,529	1,042	46.0/44.8	35.5/21.4	12.3	76.1	21.1	0.0	822.0	0.0	363.0	6.0	768.0	0.0	433.0	6.0	1.91			0.22		0.09
28	8:24	0	1,001	23,427	898	44.8	30.9	12.3	76.1	21.1	0.0	822.0	0.0	358.0	5.0	768.0	0.0	432.0	1.0	1.53			0.14		0.02
29	8:44	0	795	24,222	795	44.8	26.7	11.2	76.1	21.1	0.0	822.0	0.0	353.0	5.0	768.0	0.0	432.0	0.0	1.76			0.18		0.00
30	9:00	0	829	25,144	922	44.8	22.2	12.0	76.1	21.1	0.0	822.0	0.0	348.0	5.0	768.0	0.0	441.0	-9.0	1.81			0.17		-0.15
31	8:41	0	837	26,031	887	44.8/43.3	18.5/35.6	9.9	76.1	21.1	0.0	822.0	0.0	344.0	4.0	768.0	0.0	432.1	8.9	1.48			0.14		0.15

METER LOCATION: Waterloo Plant

I certify that the information in this report is complete and accurate to the best of my knowledge:

REPORTED BY (SIGNATURE):

Phone: 618-973-0633

054-87-2943
Cert. Or Reg. No.

12.5% Chlorine Solution Fed
50% Sodium Hydroxide
94% Sulfuric Acid
24% Fluoride Solution Fed
% Orthophosphate

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Test Kit used: Hach DR3900