



Month: November

Water Treatment Plant

Year: 2025

Date	Time	Filter (circle #)	Total Flow X1000 Gal	Total Usage X1000 GAL	Grnd Stor X1000 GAL	Grnd Stor Usage	Raw Iron	Finished Water Quality (mg/L)							Ortho Phosphate	Ground Storage		Dist CL2 Total	Notes (backwash filter #, filter res. Cl, pressures, etc)	
								Iron	Free Cl2	Total Cl2	Hardness	Fluoride	Temp (F)	pH		Free Cl2	Total Cl2			
31			232,580		284,643															
1	8:02	1 / 2 / 3	233,464	884	285,314	671										2.09	0.92	1.54		
2	19:08	1 / 2 / 3	234,596	1,132	286,594	1,280			1.10							2.07	1.00	1.61		
3	8:09	1 / 2 / 3	235,033	437	286,998	404	0.10	0.01	1.65	1.98	160.00	0.24	60.60	7.87		2.29	1.04	2.16	Backwash#1, pH probe calibrated	
4	14:27	1 / 2 / 3	235,804	771	288,057	1,059	0.53	0.01	0.08	1.89	162.00	0.44	60.90	7.98		0.97	0.94	2.08	Backwash #2, Calibrated Dist CL2	
5	10:54	1 / 2 / 3	236,612	808	288,640	583	0.03	0.00	0.03	1.37	177.00	0.36	60.70	7.91		2.19	1.07	2.19	Backwash#3	
6	7:38	1 / 2 / 3	237,361	749	289,366	726	0.63	0.00	2.06	2.95	205.00	0.18	60.80	7.85		2.77	1.09	2.32	SCL17 Calibrated	
7	13:12	1 / 2 / 3	238,157	796	290,361	995	0.11	0.02	1.62	1.96	160.00	0.51	62.00	8.09		2.86	1.12	2.37		
8	12:00	1 / 2 / 3	238,912	755	291,148	787			2.20							3.22	1.11	2.35		
9	18:27	1 / 2 / 3	239,954	1,042	292,186	1,038			1.30							2.50	0.93	2.24		
10	11:29	1 / 2 / 3	240,453	499	292,714	528	0.72	0.01	1.55	2.36	206.00	0.18	59.30	7.55		2.47	0.90	2.08	Backwash#1, Calibrated Dist CL2	
11	16:07	1 / 2 / 3	241,292	839	293,611	897			1.30							2.41	0.94	2.01		
12	15:34	1 / 2 / 3	242,061	769	294,375	764			1.10							2.44	0.97	2.09		
13	10:02	1 / 2 / 3	242,750	689	294,940	565	0.04	0.00	1.24	1.29	189.00	0.17	58.80	7.74		1.93	0.82	1.99	Backwash #2	
14	7:52	1 / 2 / 3	243,514	764	295,710	770	0.69	0.01	2.22	2.35	214.00	0.31	62.00	8.00		2.41	0.85	2.00	Backwash#3	
15	7:26	1 / 2 / 3	244,035	521	296,374	664	0.09	0.05	1.94	2.27	171.00	0.33	62.00	7.79		3.10	0.84	1.90		
16																			1.75	
17	10:52	1 / 2 / 3	245,865	1,830	298,302	1,928	0.70	0.01	2.16	2.76	205.00	0.08	60.00	7.67		2.04	0.76	1.59	Backwash#1, Calibrated pH probe, 1.47 Free Cl2 leaving the clearwell	
18	9:55	1 / 2 / 3	246,589	724	299,043	741	0.04	0.01	1.99	2.86	188.00	0.40	60.10	7.76		0.87	0.94	1.79	Backwash #2, Calibrated GS CL2	
19	10:58	1 / 2 / 3	247,444	855	299,816	773	0.64	0.01	0.08	2.28	193.00	0.36	59.70	7.84		2.11	0.73	1.75	Backwash #3	
20	8:02	1 / 2 / 3	248,177	733	300,549	733	0.05	0.02	1.98	2.40	167.00	0.22	63.10	7.99	0.06	1.94	0.73	1.69		
21	12:06	1 / 2 / 3	248,956	779	301,426	877	0.68	0.01	0.53	1.06	207.00	0.09	59.70	7.96	1.06	1.95	0.71	1.67		
22	16:07	1 / 2 / 3	249,725	769	302,316	890			1.30							1.85	0.68	1.66		
23	7:56	1 / 2 / 3	250,325	600	302,659	343			1.30							1.76	0.67	1.56		
24	10:07	1 / 2 / 3	251,109	784	303,666	1,007	0.09	0.01	1.58	1.76	159.00	0.16	59.30	7.92	2.20	1.76	0.70	1.50	Backwash#1, calibrated pH probe	
25	11:19	1 / 2 / 3	251,786	677	304,393	727	0.59	0.00	0.40	1.24	177.00	0.40	59.70	8.06	3.45	0.87	0.93	1.54	Backwash #2	
26	7:49	1 / 2 / 3	252,621	835	305,073	680	0.07	0.01	1.77	1.83	158.00	0.19	60.70	8.19	1.13	1.81	0.73	1.49	Backwash #3	
27	10:05	1 / 2 / 3	253,392	771	305,909	836			0.90							1.85	0.74	1.44		
28	9:52	1 / 2 / 3	253,993	601	306,617	708	0.19	0.01	2.20	2.30	161.00	1.65	58.20	8.03	0.30	1.73	0.76	1.40		
29	14:34	1 / 2 / 3	254,822	829	307,613	996			0.90							1.72	0.77	1.41		
30	8:11	1 / 2 / 3	255,556	734	308,080	467			1.00							1.72	0.76	1.40		
31		1 / 2 / 3																		
				22,976		23,437														

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

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: November

Water Treatment Plant

Year: 2025

Softening Operating Log

Date	Time	Reactor (circle #)	Total Usage X1000 GAL	INWC PSI Differential	Transfer (lbs)	Pellet Size (inches)	Hopper Depth (ft)	Reactor Pressure	NaOH Pressure	pH		Reactor Ca Hardness	Effluent Ca Hardness	Notes (calibration performed, pellets discharged, seed added, etc)
										Reactor	Effluent			
30							12.2							
1	8:06	1	930					19.2		7.0	6.7			
2	19:07	1	1,120							7.4	7.2			
3	10:02	1	510	69.59\55.65	500	3\32	12.2	29.8	36.0	7.4	7.2			Wasted 6 min
4	14:29	1	820	8				19.2	36.0	6.8	6.6			
5	10:58	1	920	8				19.3	36.0	6.9	6.5			
6	7:38	1	810	8				19.3	36.0	6.9	6.4			calibrated pH probes
7	13:39	1	770	73.07\54.1	500	1\8	12.1	29.6	34.0	7.6	7.6			Wasted 9 min
8	12:04	1	850	8				19.2		6.9	6.7			
9	18:32	1	1,030	64				30.0		7.5	7.4			
10	12:28	1	570	52	500	3\32	11.9	29.1	35.0	6.8	7.1			wasted 6 min
11	16:10	1	880	56				29.5		7.5	7.5			
12	15:37	1	790	60				29.9		6.8	6.9			
13	10:04	1	790	8				19.3	36.0	7.0	6.8			
14	10:05	1	830	69\51	500	1\8	12.0	30.2	35.0	7.2	7.4			wasted 7 min
15	7:29	1	600	8				19.0	35.0	6.8	6.7			
16														
17	11:34	1	1,910	64\48.4	500	3\32	11.8	29.6	35.0	7.3	7.4			wasted 7 min
18	10:04	1	810	8				19.2	35.0	7.0	6.8			
19	11:01	1	930	8				19.2	35.0	7.0	6.8			
20	8:07	1	800	62				19.2	35.0	7.0	6.7			
21	12:09	1	740	66	500	1\8	11.9	29.8	35.0	7.3	7.4			Wasted 8 min
22	16:09	1	800	52				29.3		7.3	7.3			
23	6:00	1	690	8				19.3		7.0	6.7			
24	11:32	1	830	60.18\45.58	500	3\32	11.9	29.0	35.0	7.6	7.8			Wasted 7 min
25	11:21	1	750	9				19.3	36.0	6.9	6.8			
26	7:52	1	910	8				19.3	34.0	7.1	6.7			
27	10:09	1	850	8				19.3		7.0	6.7			
28	11:15	1	620	61.9\43.7	500	1\8	11.7	28.4	35.0	7.2	7.3			Wasted 8 min
29	14:35	1	850	48				29.2		7.3	7.3			
30	8:15	1	840	8				19.3		7.1	6.8			
31														
			24,550											

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. _____

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: November

Water Treatment Plant

Year: 2025

Chemical Usage Log

Date	Time	Softened X1000 Gal	Filter X1000 GAL	Grnd Stor Usage	Sodium Hypochlorite (Chlorine) Usage			Sodium Hydroxide (Caustic) Usage			Sulfuric Acid Usage		Sodium Fluoride Usage		Ortho Phosphate Usage		KMnO4		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)	Day Tank (lbs)	Usage (lbs)	Day Tank (lbs)	Usage (lbs)	Day Tank (lbs)	Usage (lbs)	Day Tank (lbs)	Usage (lbs)	CL2	Caustic	Sulfuric	Fluoride	Ortho	KMnO4	CL2					
1	8:04	930	884	671	46.6	36.0	23.7	51.0	49.9	80.9	736.0	44.7	331.0	6.4			181.9		581.9			3.35	43.50	5.42	0.21		0.05	0.98				
2	19:10	1,120	1,132	1,280	46.6	16.0	29.6	51.0	31.5	98.6	682.0	54.0	323.0	8.0			99.2	43.8	413.0	125.1	3.27	44.01	5.43	0.20		0.05	1.46					
3	8:10	510	437	404	46.6	44.4	11.5	51.0	44.9	23.4	63.0	43.4	657.0	25.0	320.0	3.0	78.7	378	20.5	391	640	22.0	3.43	42.55	5.52	0.20		0.05	0.82			
4	14:31	820	771	1,059	44.4	27.8	21.0	44.9	49.8	70.7	619.4	37.6	314.9	5.1			344.4	33.6	545.0	95.0	3.41	43.13	5.17	0.19		0.05	1.34					
5	10:59	920	808	583	44.4	43.0	19.4	44.9	40.1	34.7	65.7	80.9	575.4	44.0	309.2	5.7	306.4	38.0	479.0	66.0	3.46	43.97	5.39	0.20		0.05	1.70					
6	7:39	810	749	726	43.0	28.3	20.0	40.2	115.3	52.4	71.3	536.1	39.3	303.8	5.4	273.1	33.3	417.0	62.0	3.33	43.99	5.47	0.21		0.05	1.28						
7	13:13	770	796	995	43	41.7	20.4	115.3	111.3	39.8	65	67.5	499.9	36.2	298.2	5.6	241.8	342	31.3	339.0	624	78.0	3.30	43.83	5.30	0.20		0.05	1.17			
8	12:02	850	755	787	41.7	29.3	16.3	111.3	51.6	71.8	460.3	39.6	292.8	5.4			308.3	33.7	541.1	82.9	2.69	42.24	5.25	0.21		0.05	1.58					
9	18:29	1,030	1,042	1,038	41.7	21.2	21.6	111.3	34.9	89.5	410.8	49.5	285.6	7.2			265.9	42.4	477.0	64.1	2.59	43.44	5.42	0.20		0.05	0.93					
10	11:30	570	499	528	41.7	34.6	10.7	111.3	106	25.7	58.7	49.3	383.6	27.2	282.0	3.6	242.7	23.2	437.1	619	39.9	2.68	43.25	5.38	0.21		0.05	1.13				
11	16:08	880	839	897	40.2	27.9	17.8	106.2	44.6	75.6	342.5	41.1	276.0	6.0			207.0	35.7	552.1	66.9	2.66	42.93	5.26	0.21		0.05	1.12					
12	15:36	790	769	764	40.2	21.8	16.3	106.2	31.7	69.1	305.2	37.3	270.6	5.4			174.6	32.4	494.0	58.1	2.64	43.75	5.32	0.20		0.05	1.14					
13	10:06	790	689	565	40.2	38.5	16.2	106.2	99.1	19.0	65.3	68.1	267.7	908.2	37.5	265.8	4.8	142.6	32.0	439.0	55.0	2.70	43.10	5.35	0.20		0.05	1.46				
14	8:54	830	764	770	38.5	30.0	16.3	99.2	97.2	51.7	64.1	72.9	867.8	40.4	260.4	5.4	108.9	308.6	33.7	382	594	47.1	2.66	43.92	5.49	0.20		0.05	0.92			
15	7:28	600	521	664	38.4	37.6	25.6	97.2	96.0	55.3	63.2	47.2	840.0	27.8	256.7	3.7	284.9	23.7	542.0	52.0	2.81	39.33	5.22	0.20		0.05	1.17					
16																																
17	10:51	1,910	1,830	1,928	37.6	36.3	20.5	96	90.9	32.1	65.3	166.6	746.0	94.0	243.8	12.9	206.6	310	78.3	451.0	91.0	2.64	43.62	5.55	0.20		0.05	0.71				
18	10:06	810	724	741	36.3	29.2	15.7	90.9	52.3	69.7	707.5	38.5	238.7	5.1			276.8	33.2	427.0	24.0	2.71	43.00	5.36	0.20		0.05	0.49					
19	11:02	930	855	773	36.3	35.2	22.3	90.9	86.6	37.2	65.2	80.9	661.9	45.6	232.7	6.0	238.4	38.4	379.0	48.0	2.69	43.49	5.53	0.20		0.05	0.93					
20	8:04	800	733	733	35.2	30.1	15.7	86.6	52.1	70.2	622.7	39.2	227.7	5.0	711.3		205.5	32.9	352.9	26.1	2.68	43.87	5.52	0.20		0.05	0.53					
21	12:08	740	779	877	35.2	34.2	24.8	86.6	82.7	40.1	65.5	64.3	587.3	35.4	222.2	5.5	693.4	17.9	175.4	375.4	30.1	310.7	608	42.4	2.26	43.45	5.39	0.20	0.89	0.05	0.72	
22	16:08	800	769	890	34.2	30.0	14.1	82.7	53.1	66.4	549.4	37.9	216.9	5.3	675.9	17.5	343.2	32.2	553.0	55.0	2.30	41.53	5.34	0.20	0.88	0.05	0.93					
23	7:58	690	600	343	34.2	25.5	12.0	82.7	41.9	60.0	516.5	32.9	212.6	4.3	662.6	13.3	315.1	28.1	549.1	3.9	2.50	43.49	5.37	0.21	0.86	0.05	0.17					
24	10:09	830	784	1,007	34.2	32.9	20.0	82.7	77.7	28.6	61.2	71.3	477.3	39.2	207.1	5.5	645.1	17.5	281.7	33.4	499.9	49.2	2.34	42.95	5.32	0.20	0.86	0.05	0.73			
25	11:22	750	677	727	32.9	30.6	13.1	77.7	49.0	65.4	442.4	34.9	202.3	4.8	629.1	16.0	251.2	44.2	465.0	34.9	2.41	43.58	5.24	0.20	0.91	0.05	0.72					
26	7:50	910	835	680	32.9	31.9	24.5	77.7	73.3	34.0	62.8	80.4	398.2	936.8	44.2	196.2	6.1	622.8	6.3	213.8	313.2	37.4	429.1	652.6	49.1	2.44	44.18	5.47	0.21	0.29	0.05	1.08
27	10:08	850	771	836	31.9	29.8	14.9	73.3	49.1	73.4	896.2	40.6	190.9	5.3	620.0	2.8	278.8	34.4	597.0	55.6	2.42	43.18	5.38	0.20	0.14	0.05	1.00					
28	9:53	620	601	708	31.9	31.1	25.6	73.3	69.3	39.0	64.9	54.1	866.1	30.1	186.7	4.2	611.6	8.4	253.3	354.2	25.5	577.9	633	19.1	2.33	43.63	5.47	0.20	0.54	0.05	0.40	
29	14:35	850	829	996	31.1	29.4	15.7	69.3	51.0	69.7	824.4	41.7	181.1	5.6	600.3	11.3	317.5	36.7	589.9	43.1	2.37	40.98	5.53	0.19	0.53	0.05	0.65					
30	8:13	840	734	467	31.1	23.9	14.7	69.3	37.3	9.0	784.0	40.4	175.9	5.2	589.8	10.5	283.3	34.2	567.0	22.9	2.50	5.36	5.42	0.20	0.55	0.05	0.73					
31																																

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: 618-972-0633

12.5% Chlorine Solution Fed
 50% Sodium Hydroxide
 94% Sulfuric Acid
 24% Fluoride Solution Fed
 50% 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 DR3900



Month: November

Year: 2025

Date	Time	Well #1		Well #2		Well #3		Total Usage	Notes
		Reading	Usage	Reading	Usage	Reading	Usage		
31		70.5		309625.7		362802.1			
1	8:02	70.5	0.0	309625.7	0.0	362811.4	9.3	9.3	
2	19:07	70.5	0	309633.6	7.9	362814.7	3.3	11.2	
3	8:08	70.5	0	309633.6	0.0	362819.8	5.1	5.1	
4	14:26	70.5	0	309641.8	8.2	362819.8	0.0	8.2	
5	10:53	70.5	0	309641.8	0.0	362829.0	9.2	9.2	
6	7:38	70.5	0	309649.9	8.1	362829.0	0.0	8.1	pH: W1=7.5,W2=7.6,W3=7.8
7	13:11	70.5	0	309649.9	0.0	362836.7	7.7	7.7	
8	12:00	70.5	0	309658.4	8.5	362836.7	0.0	8.5	
9	18:27	70.5	0	309660.9	2.5	362844.5	7.8	10.3	
10	11:29	70.5	0	309666.6	5.7	362844.5	0.0	5.7	
11	16:06	70.5	0	309667.6	1.0	362852.3	7.8	8.8	
12	15:34	70.5	0	309675.5	7.9	362852.3	0.0	7.9	
13	09:56	70.5	0	309675.5	0.0	362860.2	7.9	7.9	
14	7:51	70.5	0	309683.8	8.3	362860.2	0.0	8.3	
15	7:26	70.5	0	309686.6	2.8	362863.4	3.2	6	
16									
17	10:49	70.5	0	309695.4	8.8	362873.7	10.3	19.1	
18	09:54	70.5	0	309695.4	0.0	362881.8	8.1	8.1	
19	10:56	70.5	0	309704.7	9.3	362881.8	0.0	9.3	
20	8:01	70.5	0	309704.7	0.0	362889.8	8.0	8	
21	12:06	70.5	0	309712.1	7.4	362889.8	0.0	7.4	
22	16:06	70.5	0	309714.9	2.8	362895.0	5.2	8	
23	7:59	70.5	0	309721.8	6.9	362895.0	0.0	6.9	
24	10:06	70.5	0	309721.8	0.0	362903.3	8.3	8.3	
25	11:17	70.5	0	309729.3	7.5	362903.3	0.0	7.5	
26	7:48	70.5	0	309729.3	0.0	362912.4	9.1	9.1	
27	10:04	70.5	0	309737.8	8.5	362912.4	0.0	8.5	
28	9:52	70.5	0	309737.8	0.0	362918.6	6.2	6.2	
29	14:33	70.5	0	309745.4	7.6	362919.5	0.9	8.5	
30	8:10	70.5	0	309745.4	0.0	362927.9	8.4	8.4	
31									
			0.0		119.7		125.8	245.5	