



Month: March

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)							Ground Storage		Dist CL2 Total	Notes (backwash filter #, filter res. Cl, pressures, etc)	
								Iron	Free Cl2	Total Cl2	Hardness	Flouride	Temp (F)	pH	Free Cl2	Total Cl2			
28			15054		61215														
1	8:01	1 / 2 / 3	15,915	861	61,995	780										1.03	0.90		
2	15:08	1 / 2 / 3	16,974	1,059	63,200	1,205										1.70	1.30		
3	9:00	1 / 2 / 3	17,775	801	63,884	684	2.55	0.01	0.02	0.76	305.00	0.94	58.50	7.70	1.07	0.97			Backwash#2
4	8:54	1 / 2 / 3	18,600	825	64,654	770	0.65	0.02	1.60	1.80	257.00	1.33	59.00	7.80	0.32	0.55			Backwash#3 added caustic running today possibly
5	11:12	1 / 2 / 3	19,378	778	65,572	918	0.10	0.01	0.11	1.19	275.00	0.32	61.20	8.00	0.87	0.94			
6	12:00	1 / 2 / 3	20,171	793	65,930	358	0.07	0.02	0.11	0.95	220.00	0.60	57.60	8.00	0.87	0.93			Backwash#1
7	8:51	1 / 2 / 3	20,959	788	67,031	1,101	5.43	0.01	0.49	0.52	245.00	0.40	58.10	7.80	1.08	0.77			
8	19:23	1 / 2 / 3	22,160	1,201	68,312	1,281										0.87	0.94		
9	11:42	1 / 2 / 3	22,627	467	68,728	416										0.92	0.67		
10	8:22	1 / 2 / 3	23,420	793	69,466	738	0.29	0.02	1.36	1.64	168.00	1.80	58.60	8.00	1.01	0.66			Backwash #2, pH pencil Calibrated
11	9:58	1 / 2 / 3	24,196	776	70,386	920	0.23	0.01	0.83	0.93	163.00	0.39	58.80	8.20	0.92	0.61			Backwash #3
12	10:52	1 / 2 / 3	25,099	903	71,145	759	1.22	0.03	0.90	1.90	171.00	0.25	57.30	8.10	1.63	0.71			
13	11:25	1 / 2 / 3	25,941	842	72,088	943	0.61	0.05	0.46	0.97	180.00	0.56	60.10	8.20	0.87	0.94			Backwash#1
14	8:45	1 / 2 / 3	26,625	684	72,733	645	0.27	0.02	0.74	0.69	188.00	0.17	58.60	8.30	2.25	0.85			
15	8:18	1 / 2 / 3	27,365	740	73,437	704										2.18	1.91		
16	19:00	1 / 2 / 3	28,704	1,339	74,798	1,361										2.06	2.03		
17	8:57	1 / 2 / 3	29,182	478	75,230	432	0.09	0.01	1.81	2.04	126.00	1.91	58.30	7.60	1.98	2.04			Backwash#2&3, Lab pH probe Calibrated
18	9:30	1 / 2 / 3	30,033	851	76,116	886	0.09	0.02	2.13	2.21	152.00	1.61	59.00	7.80	2.00	2.10			changed reagents out of cl2 analyzer
19	6:33	1 / 2 / 3	30,967	934	76,899	783	0.35	0.00	0.70	0.83	178.00	0.28	59.20	8.10	2.18	2.00			Backwash#2
20	2:00	1 / 2 / 3	31,921	954	78,013	1,114	0.33	0.02	0.76	0.57	165.00	0.57	58.10	8.10	0.87	0.93			
21	12:00	1 / 2 / 3	32,710	789	78,784	771	0.10	0.02	1.13	2.03	165.00	0.34	58.80	7.70	1.63	1.68			Backwash#1&3
22	20:21	1 / 2 / 3	33,980	1,270	79,968	1,184										1.66	1.66		
23	20:08	1 / 2 / 3	34,698	718	80,689	721										1.56	1.53		
24	8:44	1 / 2 / 3	35,164	466	81,119	430	0.37	0.02	0.25	0.87	171.00	0.25	58.10	8.10	1.61	1.51			
25	9:11	1 / 2 / 3	35,981	817	81,877	758	0.10	0.01	1.17	1.38	176.00	0.59	57.70	8.00	0.87	0.93			draining detention tank to check valve
26	9:00	1 / 2 / 3	36,720	739	82,637	760	0.18	0.04	1.52	1.75	165.00	1.63	58.60	7.70	1.50	1.45			backwashed 2,3
27	11:20	1 / 2 / 3	37,459	739	83,532	895	0.07	0.03	0.87	0.87	169.00		58.10	8.00					Lab pH probe calibrated, Backwash#1
28	1:09	1 / 2 / 3	38,366	907	84,479	947	0.33	0.03	0.23	0.78	180.00	0.36	59.20	8.10	1.53	1.45			
29	14:17	1 / 2 / 3	39,080	714	85,237	758										1.47	1.37		
30	13:04	1 / 2 / 3	39,803	723	86,021	784										1.54	1.43		
31	8:03	1 / 2 / 3	40,605	802	86,623	602	0.07	0.01	2.15	2.30	181.00	0.31	58.60	7.90	1.48	1.44			Backwash #2
				25,551															

**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 Hyroxide  
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: March

Water Treatment Plant

Year: 2025

Softening Operating Log

Date	Time	Reactor (circle #)	Total Flow X1000 Gal	Total Usage X1000 GAL	Seed Transfer (lbs)	Pellet Size (inches)	Seed Hopper Depth (ft)	Reactor Pressure	NaOH Pressure	pH		Reactor Ca Hardness	Effluent Ca Hardness	Notes (calibration performed, pellets discharged, seed added, etc)
										Reactor	Effluent			
1														
2														
3														
4														
5														
6	1:35	1		0							7.5		205.0	
7				0							8.0		260.0	
8	19:23	1		0				32.9			8.4			
9	11:42	1		0				19.2			6.9			
10	8:22	1		0				33.4	34.0		7.6		154.0	
11	10:11	1		0				33.2	34.0		7.8		148.0	pH probe calibrated
12	11:05	1		0				33.4	34.0		7.5		161.0	
13	11:24	1		0				33.7	34.0	8.0	7.8	139.0	138.0	Iron = 0.19, Repaired valve @ reactor, calibrated both in-line pH probes
14	8:45	1		0				33.9	34.0	7.8	7.7	137.0	140.0	Iron = 0.21
15	8:18	1		0				33.9	34.0					
16	19:00	1		0				34.3		7.8	7.5			
17	11:21	1		0				34.4	34.0	7.7	7.5	136.0	140.0	Regened Flush Softener
18	9:00	1		0				34.1	34.0	7.1	7.3	138.0	145.0	
19	10:43	1		0	500	1\32	9.7	35.6	36.0	7.4	7.3	180.0	176.0	Seed waste/transfer Reactor 1
20	2:00	1		0				35.5	36.0	7.0	7.2	186.0	180.0	
21	12:00	1		0				35.5	36.0	7.2	7.3	168.0	168.0	#2 Auger seized up due to moisture
22	20:21	1		0				35.8		7.5	7.3			
23	20:08	1		0				35.9		7.4	7.4			
24	8:44	1		0	500	1\16	9.8	35.9	36.0	7.5	7.5	181.0	171.0	Seed waste/transfer Reactor 1, Calibrate pH probes
25	9:11	1		0						7.0	7.2	185.0	178.0	
26	9:00	1		0				35.8	36.0	7.2	7.4	180.0	172.0	
27	11:20	1		0	500	1\16	9.4	35.5	36.0	7.5	7.3			Seed waste/transfer Reactor 1
28	11:39	1		0				35.4	36.0	7.5	7.2	180.0	188.0	
29	14:17	1		0				35.5		7.4	7.3			
30		1 / 2		0										
31	8:22	1		0	500	1\16	9.4	35.4	36.0	7.5	7.3			Seed waste/transfer Reactor 1
				0										

**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

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: March

Water Treatment Plant

Year: 2025

Chemical Usage Log

Date	Time	2	Filter X1000 GAL	Grnd Stor Usage2	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	
28					32.9	33.6		75.6	24.4		822		330		756		605						
1	8:01	0	861	780	32.9	29.4	11.2	75.6	24.4	0.0	822.0	0.0	325.0	5.0	756.0	0.0	560.9	44.1	1.62			0.17	0.85
2	15:08	0	1,059	1,205	32.9	24.2	13.9	75.6	24.4	0.0	822.0	0.0	319.0	6.0	756.0	0.0	444.0	116.9	1.64			0.16	1.45
3	9:00	0	801	684	32.9/31.8	20.1/32.3	10.9	75.6	24.2	1.1	822.0	0.0	313.0	6.0	756.0	0.0	355\589	89.0	1.70			0.22	1.95
4	8:55	0	825	770	31.8	28.2	4.1	75.2/74	26.6/34.4	-12.9	822.0	0.0	309.0	4.0	756.0	0.0	480.0	109.0	0.62			0.14	2.12
5	9:58	0	778	918	31.8	24.7	9.3	74.0	31.5	15.5	796.0	26.0	305.0	4.0	756.0	0.0	368.0	112.0	1.50			0.15	1.83
6	12:00	0	793	358	31.8	20.4	11.5	74.0/72.4	20.5/30.7	57.9	735.0	61.0	299.0	6.0	756.0	0.0	195\564	173.0	1.81			0.22	7.24
7	7:52	0	788	1,101	31.8/30.1	16.4/35.6	10.7	72.4/67.3	17.1/50.5	72.9	636.0	99.0	295.0	4.0	756.0	0.0	466.9	97.1	1.70			0.15	1.32
8	19:23	0	1,201	1,281	30.1	29.7	15.7	67.3	30.5	107.2	524.0	112.0	287.0	8.0	756.0	0.0	293.0	173.9	1.64			0.19	2.03
9	11:42	0	467	416	30.1	27.3	6.4	67.3	21.1	50.4	475.0	49.0	284.0	3.0	756.0	0.0	226.1	66.9	1.71			0.18	2.41
10	8:22	0	793	738	30.1/29.1	23.4/35.3	10.4	67.3/59.3	7.0/58.3	75.6	406.0	69.0	278.0/309	6.0	756.0	0.0	118.6/317.6	107.5	1.64			0.22	2.18
11	8:31	0	776	920	29.1	31.7	9.6	59.3	45.5	68.6	353.0	53.0	304.0	5.0	756.0	0.0	180.3	137.3	1.54			0.19	2.24
12	10:55	0	903	759	29.1/26.4/64.3	27/29.3	12.5	59.2/58.6	27.2/31.2	98.1	289.0/838	64.0	298.0	6.0	756.0	0.0	53.8	126.5	1.73			0.19	2.50
13	12:00	0	842	943	64.3/63.7	22.8/29.4	17.3	58.6/52.2	17.0/56.9	76.1	832.0	6.0	293.0	5.0	756.0	0.0	43/634.8	10.8	2.57			0.17	0.17
14	8:45	0	684	645	63.7/62.9	26.3/35.6	8.3	52.2/49.6	43.7/58.9	70.7	828.0	4.0	289\536	4.0	756.0	0.0	526.0/644	108.8	1.52			0.17	2.53
15	8:18	0	740	704	62.9	32.2	9.1	49.6	49.1	52.5	824.0	4.0	531.0	5.0	756.0	0.0	560.1	83.9	1.53			0.19	1.79
16	19:00	0	1,339	1,361	62.9	25.5	17.8	49.6	22.3	143.6	796.0	28.0	523.0	8.0	756.0	0.0	397.9	162.2	1.67			0.17	1.79
17	8:58	0	478	432	62.9/61.8	23.0/35.3	6.7	49.6/41.0	11.4/66.8	58.4	780.0	16.0	519.0	4.0	756.0	0.0	334\607	63.9	1.75			0.24	2.22
18	9:52	0	851	886	61.8	30.8	12.0	41.0	48.7	97.0	736.0	44.0	514.0	5.0	756.0	0.0	505.0	102.0	1.76			0.17	1.73
19	10:45	0	934	783	61.8	28.6	13.9	41.0	31.8	90.6	696.0	40.0	508.0	6.0	756.0	0.0	411.0	94.0	1.85			0.18	1.80
20	2:00	0	954	1,114	61.8/61	21.7/30.9	10.4	41/39.8	19.5/27.2	65.9	667.0	29.0	503.0	5.0	756.0	0.0	284.9	126.1	1.36			0.15	1.70
21	12:00	0	789	771	61.0/60.2	27.0/35.7	10.8	39.8/31.4	14.0/67.8	70.7	636.0	31.0	498.0	5.0	756.0	0.0	199\641	85.9	1.65			0.18	1.67
22	20:21	0	1,270	1,184	60.2	29.3	17.0	31.4	46.3	115.2	585.0	51.0	491.0	7.0	756.0	0.0	546.1	94.9	1.68			0.16	1.20
23	20:08	0	718	721	60.2	25.5	10.1	31.5	34.1	65.4	563.0	22.0	486.0	5.0	756.0	0.0	480.0	66.1	1.76			0.20	1.37
24	8:44	0	466	430	60.2/59.1	23.2/35.7	6.1	31.5/27.9	26.5/48.7	40.7	560.0	3.0	483.0	3.0	741.0	15.0	457.0	23.0	1.64			0.19	0.80
25	9:11	0	817	758	59.1	31.6	10.9	27.9	36.6	64.8	546.0	14.0	478.0	5.0	741.0	0.0	399.0	58.0	1.67			0.18	1.15
26	9:00	0	739	760	59.1	27.7	10.4	27.9/26.4	22.6/32.3	75.0	517.0	29.0	474.0	4.0	741.0	0.0	335.8	63.2	1.76			0.16	1.25
27	11:20	0	739	895	59.1	23.7	10.7	26.4/60.4	19.1/67.7	70.7	483.0	34.0	469.0	5.0	741.0	0.0	275.0/678	60.8	1.80			0.19	1.02
28	1:01	0	907	947	59.1/57.7	19.1/35.7	12.3	93.4	54.0	73.4	449.0	34.0	463.0	6.0	741.0	0.0	586.0	92.0	1.70			0.19	1.46
29	14:17	0	714	758	57.7	32.0	9.9	93.4	42.5	61.6	425.0	24.0	459.0	4.0	741.0	0.0	531.1	54.9	1.73			0.16	1.09
30	13:04	0	723	784	57.7	28.2	10.1	93.3/88.3	30.3/62.6	65.4	425.0	0.0	454.0	5.0	741.0	0.0	471.0	60.1	1.75			0.20	1.15
31	8:21	0	802	602	57.7/56.7	24.1/35.7	10.9	88.3	51.4	#VALUE!	418.0	7.0	449.0	5.0	741.0	0.0	413.0	58.0	1.70			0.18	1.44

METER LOCATION: Waterloo Plant

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

054-87-2943

REPORTED BY (SIGNATURE):

Cert. Or Reg. No.

Phone: 618-673-0633

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 DR3900



Month: March  
Year: 2025

Date	Time	Well #1		Well #2		Well #3		Total Usage	
		Reading	Usage	Reading	Usage	Reading	Usage		
28		0		309020.3		317.631			
1	8:01	0	0	309020.3	0	323.984	6.353	6.353	
2	15:08	0	0	309020.3	0	333.002	9.018	9.018	
3	9:00	0	0	309020.3	0	333.002	0	0	
4	8:55	0	0	309020.3	0	338.314	5.312	5.312	
5	11:07	4.6	4.6	309020.3	0	342.405	4.091	8.691	
6	12:00	8.8	4.2	309020.3	0	346.723	4.318	8.518	
7	8:54	17.3	8.5	309020.3	0	346723.0	0	8.5	
8	19:23	61.1	43.8	309020.3	0	346730.0	7	50.8	
9	11:42	66.5	5.4	309020.3	0	346730.0	0	5.4	
10	8:22	66.5	0	309020.3	0	346730.0	0	0	
11	9:02	66.5	0	309020.3	0	346740.0	10	10	
12	10:52	67.0	0.5	309020.3	0	346750.0	10	10.5	
13	11:25	70	3	309020.3	0	346760.0	10	13	
14	8:45	70	0	309020.3	0	346800.0	40	40	
15	8:18	<b>WELL READINGS ARE INCORRECT</b>							
16	19:00								
17	8:58								
18	9:30								
19	6:33								
20	2:00	<b>WELL READINGS ARE CORRECTED</b>							
21	12:30	70.5	0.5	309020.3	0	346829.4	29.4	29.9	
22	20:21	70.5	0	309020.3	0	346842.5	13.1	13.1	
23	20:08	70.5	0	309020.3	0	346849.8	7.3	7.3	
24	10:14	70.5	0	309020.3	0	346855.4	5.6	5.6	
25	8:58	70.5	0	309020.3	0	346862.7	7.3	7.3	
26	9:00	70.5	0	309020.3	0	346871.8	9.1	9.1	
27	1:19	70.5	0	309020.3	0	346881.1	9.3	9.3	
28	11:46	70.5	0	309020.3	0	346888.8	7.7	7.7	
29	14:16	70.5	0	309020.3	0	346896.9	8.1	8.1	
30	13:04	70.5	0	309020.3	0	346904.8	7.9	7.9	
31	8:03	70.5	0	309020.3	0	346913.1	8.3	8.3	
			70.5		0		219.192	289.692	