



Monthly Operating Report

April 2018



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So. Sangamon

May 15, 2018

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

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EXECUTIVE SUMMARY

Safety. Safety is the number one priority at Woodard and Curran. We continue to provide monthly training for operations staff at the plant, provide weekly safety updates and safety videos are assigned to all employees. The safety topic for this month was “Incident Reporting and Evaluation”. There were no lost time accidents in the month of April 2018. 100 percent of the items identified in the combined list of safety items have been completed.

Compliance. The finished water quality was within regulatory limits and all reporting and sampling requirements were met for the month. A copy of the Operations Report submitted to the Illinois Environmental Protection Agency is available at www.sswc.us.

During the month of April 2018, the plant pumped 34.149 million gallons from the well field and 27.110 million gallons of finished water. For the period of May 2017 through April 2018, the plant has pumped 1,299,204 less gallons of water then during the same period one year ago.

The SSWC plant has been placed on Critical Review status. Systems on Critical Review will be evaluated for sufficient capacity before issuance of water main extension permits.

Operations. There was 0 emergency call-outs for the month. There were 2 customer inquiries for the month.

Maintenance and Repair. For the month of April 2018, there were 10 inspections, 5 preventative and 0 corrective maintenance activities completed.

Budget. Through the end of the third year, we are \$8,746 under budget for the fiscal year. Please note that not all expenses for the 2017-2018 timeframe have been added to this summary.

Capital Planning. Woodard and Curran is working with Mecco Engineering to update and prioritize the Capital Improvement Plan. The CIP is a planning document that includes all projects anticipated to exceed \$5,000 in cost over the next five years. The CIP is an ongoing process and will be refined from time to time as projects are completed and new issues are identified.



1. SAFETY

1.1 SAFETY TRAINING

Woodard and Curran continues to provide safety training for personnel at the plant. This is accomplished by requiring daily safety meetings, weekly safety updates are available to the plant, and safety videos are assigned to all employees and are required to be completed. The April 2018 safety training topic was “Incident Reporting and Evaluation”.

1.2 LOST TIME ACCIDENTS

There were 0 lost time accidents in the month of April 2018.

1.3 SAFETY AUDIT

Since Woodard and Curran assumed operational responsibility for the SSWC plant, two safety audits have been completed. The first audit was conducted in May 2015 and identified 89 items needing to be addressed. Approximately 86 percent of those items identified had been addressed when a second audit occurred in November 2016.

The finding for these two audits were combined to produce a list of 40 items needing to be addressed. As of November 30, 2017, 100 percent of the items have been addressed.

1.4 MISCELLANEOUS SAFETY

There were no Miscellaneous Safety items for the month.

2. COMPLIANCE, FLOWS AND LOADINGS

2.1 COMPLIANCE

The finished water quality was within regulatory limits and all reporting and sampling requirements were met for April. A copy of the Operations Report to the Illinois Environmental Protection Agency (IEPA) is available on the SSWC website.

2.2 INFLUENT FLOWS AND LOADINGS

The total gallons pumped from the well field was 34.149 MG. The influent parameters were all within the normal range.

The influent flow and loadings are summarized below in Table 2.2

Table 2.2 Influent Concentrations and Flow								
	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Well Flow Gals (k)
Max.	7.58	15.0	1.17	0.240	-	380	290	1.434
Min.	7.01	12.8	0.05	0.186	-	300	260	0.858
Avg.	7.29	13.7	0.61	0.203	-	352	277	1.138
Total	-	-	-	-	-	-	-	34.149

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 30.832 MG during the month with a daily average of 1.028 MG and a min/max of 0.718/1.333 MG.

Table 2.3 Finished Water Quality										
	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	1.4	1.6	7.95	14.6	0.02	0.039	1.26	140	286	1.41
Min.	0.6	0.8	7.04	12.5	0.00	0.005	0.20	100	200	1.01
Avg.	1.0	1.2	7.59	13.6	0.01	0.012	0.86	116	271	1.19
MCL	-	-	-	-	1.00	-	4.00	-	-	-
SMCL	-	-	-	-	0.30	0.050	2.00	-	-	-

Finished Water Flow Comparison for FY 2018

Time Period	2017-2018	2016-2017	2015-2016
May – April	395,490,611	396,789,815	373,786,332
Increase for the same period last year		-1,299,204	

FINISHED WATER PUMPING HISTORY						
	2017-2018	2016-2017	2015-2016	2014-2015	2013-2014	2012-2013
May	32,301,672	33,248,127	33,376,051	37,669,726	31,157,411	29,592,356
June	39,931,402	41,541,321	31,092,539	38,462,951	36,530,691	47,120,577
July	42,164,927	35,378,396	33,123,375	38,674,894	40,908,704	57,780,876
August	38,760,634	35,401,490	38,109,033	33,748,543	42,999,243	42,398,528
September	39,896,986	36,325,215	36,546,171	29,763,075	37,597,085	32,510,603
October	33,506,605	34,374,820	34,783,455	28,803,052	33,916,594	30,278,765
November	28,617,333	30,478,309	27,217,293	28,426,579	31,615,459	27,114,479
December	28,808,037	32,525,530	27,788,637	28,656,869	32,697,551	29,014,035
January	30,556,824	30,449,215	28,510,121	30,346,721	32,499,427	28,007,432
February	25,617,914	27,373,232	26,095,228	26,336,077	28,745,378	25,763,807
March	28,217,699	30,068,363	27,851,811	28,729,919	31,217,486	28,130,190
April	27,110,578	29,625,797	29,292,618	29,270,184	31,690,073	27,991,597
	-----	-----	-----	-----	-----	-----
Totals	395,490,611	396,789,815	373,786,332	378,888,590	411,575,102	405,703,245
Average	1,083,536	1,087,095	1,022,702	1,038,051	1,127,603	1,111,516
Maximum	2,220,362	2,061,098	2,177,926	1,837,344	2,010,587	2,546,901
Minimum	423,165	275,315	-	349,690	363,767	142,411

2.4 LAGOON DISCHARGE CONCENTRATIONS

The results for the NPDES lagoon discharge permit are summarized below.

Table 2.4 Weekly Grab Sample Analysis Results

Lagoon Effluent Results						
Date	Fe (mg/l)	Mn (mg/l)	Chloride (mg/l)	Cl ² (mg/l)	pH (S.U.)	TSS (mg/l)
04/19/2018	0.330	0.299	220	0.04	7.89	0
Minimum						
Maximum						
Average						
Monthly Avg Limit	2.000	1.000				15
Daily Limit	4.000	2.000	500	0.05	6.0-9.0	30

The Chloride sample for the month of April 2018, performed by the Springfield Metropolitan Sanitary District, was unknown as of May 15, 2018. The limit for chloride discharge to the sanitary district is 30,000 mg/L.

3. OPERATIONS

3.1 EVENTS IMPACTING OPERATIONS

Rehabilitation of Well 2. On April 9, 2018, Layne was on-site to begin rehabilitation of Well 2. Rehabilitation was completed on April 11, 2018. Well 2 will now pump 163 gpm with a drawdown of six-foot. Pictured below are Layne's trucks and equipment needed to rehabilitate Well 2.



3.2 EMERGENCY & SERVICE CALLS

Service Calls:

- There were no emergency call outs for the month.

3.3 EMERGENCY CALL-OUTS

There was 1 emergency call-out for the month requiring operational personnel at the plant after normal business hours.

3.4 CUSTOMER INQUIRIES

There were two customer inquiries for the month of April:

1. On the evening of April 16, 2018, plant operations staff received a call from an SSWC customer who broke the water line coming into their home and needed the water shut off immediately.
2. Plant operations staff received call from an SSWC customer on the west side of Chatham who had no water pressure.

OTHER WORK PERFORMED

Pinning of the Membrane Modules. Plant Operations staff pinned membranes on April 11, 2018. Pictured below are Stephen Bivin (left) and Kevin Canham (right) working on modules from Bank #1.



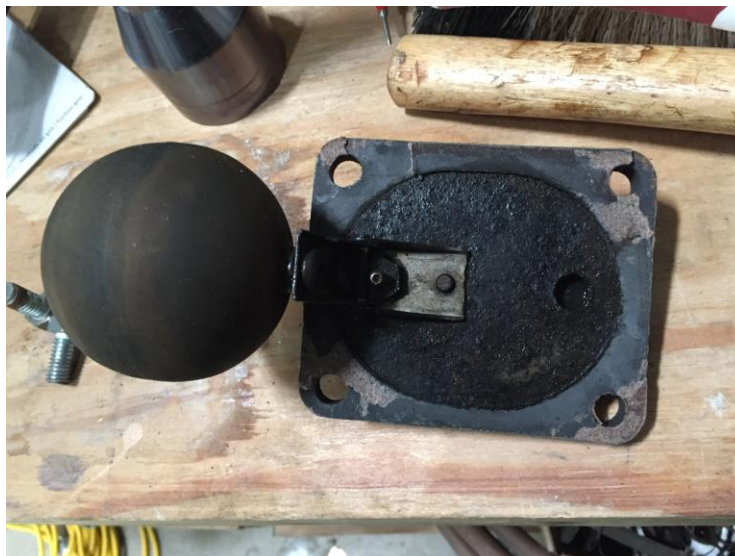
4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of April 2018, there were 10 inspections, 5 preventative and 0 corrective maintenance activity completed.

4.2 CORRECTIVE REPAIRS

Plant Effluent Air Release. On Thursday, April 5, 2018, the air release on the Plant Effluent line (circled in red in the picture below) was leaking water on the floor.



The valve was disassembled, cleaned and reassembled and placed back in service. There was no disruption in service.

Chlorine Line Cleaning. On Wednesday, April 4, 2018, the plant was taken off-line to test high service pump programming. While off line, the Chlorine line was cleaned as a routine activity. The pictures below show the debris that was in the screen in the room where the pump is located. The debris was removed, everything was reassembled and put back in service when the plant was placed back on line.





5. PROJECT MANAGEMENT & SUPPORT

5.1 STAFFING & TRAINING

- Woodard and Curran continues to train and provide staffing to the plant as needed. With the resignation of Mr. Keith Sommers, Mr. Stephen Bivin is filling in on a temporary basis.

5.2 CORPORATE SUPPORT

The following individuals, either on-site or remotely, provided assistance in operation and/or maintenance of the plant during the month.

- Marc Thomas
- Jackie Smith
- Ray Giguere
- Stephen Bivin
- Greg Frieden
- Stephanie Crowell
- Shannon Eyler
- Wendy Foreman

5.3 BUDGET

Table 5.3 below is a breakdown of the current budget as of April 27, 2018. Please note that not all expenses for the 2017-2018 timeframe have been added to this summary.

Table 5.3 Budget Table

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	Over (under)	% of budget
Labor (D.L. + OH)	\$24,213	\$22,231	\$290,551	\$261,491	\$290,551	(\$29,060)	90%
Utilities	\$8,150	\$7,478	\$97,800	\$97,416	\$97,800	(\$384)	100%
Chemicals	\$14,583	\$5,403	\$175,000	\$188,541	\$175,000	\$13,541	108%
Maintenance & Repair	\$9,102	\$16,647	\$109,225	\$139,004	\$109,225	\$29,779	127%
Chloride	\$13,522	\$11,711	\$162,260	\$142,225	\$162,260	(\$20,035)	88%
Lab Supplies and Equipment	\$1,882	\$180	\$22,584	\$17,061	\$22,584	(\$5,523)	76%
Office Supplies	\$216	\$130	\$2,586	\$3,970	\$2,586	\$1,384	154%
Miscellaneous Expenses	\$1,141	\$2,044	\$13,695	\$14,632	\$13,695	\$937	107%
Other Operating Costs	\$1,398	\$2,004	\$16,776	\$18,186	\$16,776	\$1,410	108%
Subtotal of Costs for Contract Year 3	\$74,206	\$67,828	\$890,477	\$882,526	\$890,477	(\$7,951)	99%
Fixed Fee for Contract Year 3	\$7,421	\$6,783	\$89,048	\$88,253	\$89,048	(\$795)	99%
Year One Transition	\$1,366	\$1,366	\$16,389	\$16,389	\$16,389	\$0	100%
Total	\$82,993	\$75,977	\$995,914	\$987,168	\$995,914	(\$8,746)	99%



6. CAPITAL PLANNING

6.1 APPROVED CIP PROJECTS CURRENT STATUS

No new information is available.

6.2 DRAFT CAPITAL IMPROVEMENT PLAN

The CIP is a planning document that includes all projects anticipated to exceed \$5,000 in cost over the next five years. The CIP is an ongoing process and will be refined from time to time as projects are completed and new issues are identified.

The most recent Capital List was included in the Year 2 Annual Report.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPORT
ON South Sangamon Water Commission
FOR MONTH OF April 2018
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Date	Time	Pumping Totals				Chemicals Applied				UF Filters				Softeners				Chloride						
		Hours	Water Filtered (MGal)	Water Used (MGal)	Plant (MGal)	Chlorine	Fluoride	Phosphate	Nalco4	Bi-Sulfite	Calc	Water Softened (MGal)	Water Bypassed (MGal)	Water Softened (MGal)	Water Bypassed (MGal)	Soft. Regen	Soft. Used (MGal)	Soft. Water Used (MGal)	Soft. Water (MGal)	IX 1	IX 2	IX 3	IX 4	
1	7:00	14.5	1.031	0.024	0.009	1.06	1.20	11.0	0.47	19.00	2.27	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	48	49	42	4,562	20,700
2	7:00	15.5	1.019	0.014	0.025	1.10	1.62	10.0	0.43	19.0	2.43	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	49	49	43	4,562	20,700
3	7:00	15.4	1.040	0.019	0.039	1.22	1.78	34.0	1.03	25.0	2.51	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	49	49	43	2,281	10,350
4	7:00	14.2	0.988	0.003	0.008	0.80	1.03	17.0	0.74	14.0	1.44	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	48	48	43	6,843	31,050
5	7:00	11.6	0.755	0.658	0.009	142.0	2.82	30.0	1.78	35.0	2.83	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	49	49	43	2,281	10,350
6	7:00	13.7	0.959	0.816	0.005	103.0	1.79	12.0	0.88	27.0	1.31	17.00	2.21	0.65	0.95	0.65	0.65	0.65	0.65	54	54	49	6,843	31,050
7	7:00	18.1	1.123	1.007	0.013	104.0	1.39	27.0	1.06	27.0	2.42	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	48	48	42	4,562	20,700
8	7:00	15.3	0.973	0.865	0.009	107.0	1.65	12.0	0.55	25.0	1.14	19.00	2.32	0.65	0.95	0.65	0.65	0.65	0.65	51	51	52	4,562	20,700
9	7:00	13.5	0.950	0.858	0.009	119.0	1.89	25.0	1.14	25.0	2.61	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	51	51	52	2,281	10,350
10	7:00	14.9	0.995	0.874	0.009	120.0	1.81	27.0	1.22	26.0	1.18	21.00	2.55	0.65	0.95	0.65	0.65	0.65	0.65	47	47	47	2,281	10,350
11	7:00	14.9	1.003	0.877	0.009	129.0	1.91	28.0	1.26	27.0	1.22	21.00	2.54	0.65	0.95	0.65	0.65	0.65	0.65	47	47	47	6,843	31,050
12	7:00	14.4	0.947	0.873	0.005	129.0	2.03	30.0	0.91	27.0	1.22	19.00	1.91	0.65	0.95	0.65	0.65	0.65	0.65	47	47	47	6,843	31,050
13	7:00	15.5	1.130	0.994	0.013	89.0	1.19	29.0	1.17	29.0	1.97	0.65	0.95	0.65	0.65	0.65	0.65	0.65	0.65	48	48	48	4,562	20,700
14	7:00	14.1	0.902	0.803	0.005	187.0	3.11	38.0	1.87	13.0	0.64	25.00	2.85	0.65	0.95	0.65	0.65	0.65	0.65	49	49	47	6,843	31,050
15	7:00	16.3	1.137	1.043	0.013	143.0	1.89	29.0	1.10	12.0	0.46	21.00	1.75	0.65	0.95	0.65	0.65	0.65	0.65	40	37	40	4,562	20,700
16	7:00	17.8	1.261	1.108	0.009	85.0	0.99	20.0	0.71	10.0	0.36	15.00	1.18	0.65	0.95	0.65	0.65	0.65	0.65	48	39	48	4,562	20,700
17	7:00	11.8	0.785	0.696	0.009	105.0	2.00	25.0	1.42	15.0	0.85	17.00	2.14	0.65	0.95	0.65	0.65	0.65	0.65	52	45	46	4,562	20,700
18	7:00	13.3	0.977	0.849	0.009	90.0	1.38	20.0	0.93	20.0	0.93	16.00	2.06	0.65	0.95	0.65	0.65	0.65	0.65	63	63	58	2,281	10,350
19	7:00	11.8	0.718	0.673	0.004	116.0	2.42	25.0	1.47	32.0	1.89	19.00	2.85	0.65	0.95	0.65	0.65	0.65	0.65	59	58	58	4,562	20,700
20	7:00	12.6	0.886	0.805	0.009	115.0	1.95	29.0	1.43	32.0	1.59	23.00	2.74	0.65	0.95	0.65	0.65	0.65	0.65	51	51	43	6,843	31,050
21	7:00	15.0	1.063	0.872	0.009	130.0	1.99	30.0	1.36	30.0	1.57	22.00	2.94	0.65	0.95	0.65	0.65	0.65	0.65	44	47	36	6,843	31,050
22	7:00	16.5	1.088	1.028	0.009	153.0	2.11	33.0	1.27	37.0	1.42	35.00	3.77	0.65	0.95	0.65	0.65	0.65	0.65	44	47	36	6,843	31,050
23	7:00	15.2	1.126	1.022	0.014	121.0	1.61	31.0	1.20	26.0	1.39	13.00	1.38	0.65	0.95	0.65	0.65	0.65	0.65	48	41	46	4,562	20,700
24	7:00	17.3	1.174	1.004	0.009	120.0	1.53	30.0	1.38	34.0	1.34	22.00	2.29	0.65	0.95	0.65	0.65	0.65	0.65	48	46	46	4,562	20,700
25	7:00	15.1	1.062	0.945	0.010	144.0	1.99	31.0	1.30	35.0	1.47	24.00	3.70	0.65	0.95	0.65	0.65	0.65	0.65	47	40	40	4,562	20,700
26	7:00	17.8	1.100	1.009	0.009	133.0	1.81	33.0	1.29	26.0	1.02	25.00	2.60	0.65	0.95	0.65	0.65	0.65	0.65	42	44	34	6,843	31,050
27	7:00	14.7	0.907	0.873	0.009	126.0	1.89	30.0	1.36	32.0	1.45	22.00	2.55	0.65	0.95	0.65	0.65	0.65	0.65	42	42	41	2,281	10,350
28	7:00	19.1	1.353	1.114	0.013	147.0	1.65	32.0	1.14	35.0	1.24	23.00	2.00	0.65	0.95	0.65	0.65	0.65	0.65	43	45	41	6,843	31,050
29	7:00	16.7	1.103	1.078	0.005	132.0	1.79	37.0	1.36	42.0	1.54	29.00	2.80	0.65	0.95	0.65	0.65	0.65	0.65	37	38	31	6,843	31,050
30	7:00	17.5	1.237	1.100	0.013									0.65	0.95	0.65	0.65	0.65	0.65					
31	7:00													0.65	0.95	0.65	0.65	0.65	0.65					

Total	27.51	RTW Sample	Temp 14.8 °C	Alkalinity 254.0 mg/L	Sulfate 54.8 mg/L
Max	1.11	TDS 442.0 mg/L	Calcium Hardness 24.2 mg/L		
Min	0.67	pH 8.13	Chloride 31.0 mg/L		
Ave	0.82				

Enter Final Reading Last Month _____ Date _____

POINT OF APPLICATION _____

METER LOCATION _____

1. 12.5 % Chlorine Solution Fed _____
 2. 23 % Fluoride Solution Fed _____
 3. 40 % Bleach/Solution Fed _____
 4. 33 % Phosphate Solution Fed _____
 5. 20 % Sodium Permanganate Fed _____

Reported by _____ Cert on Recd _____
 Bacterials Sent _____ Date _____

CHLORINATION
Type of Chlorine Used _____
 Chlorine Gas _____
 Sodium Hypochlorite _____ %
 Sodium Hypochlorite 12.5 % _____
 Chlorine Test Kit Used _____

FLUORINATION
Type of Fluoride Used _____
 Hydrofluosulfic Acid 23 % _____
 Sodium Fluoride _____ %
 Other _____
 Type of Test Instrument Used _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPO
ON
South Sangamon Water Commission
FOR MONTH OF April 2018

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Date	Time	Hours	Pumpkin Totals		Raw		Pre Filter			Post Filter			Chemical Test			Post Filter			Membrane Integrity Test														
			UP	Water	Plant	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total											
Filter	Filter	Filter	Fluoride (M gal)	Treated (M gal)	Water (M gal)	Temp deg. C	pH	Temp deg. C	pH	Fe mg/L	Mn mg/L	SO ₄ mg/L	Fe mg/L	Mn mg/L	SO ₄ mg/L	Fe mg/L	Mn mg/L	SO ₄ mg/L	Fe mg/L	Mn mg/L	SO ₄ mg/L	Fe mg/L	Mn mg/L	SO ₄ mg/L	Fe mg/L	Mn mg/L	SO ₄ mg/L	Fe mg/L	Mn mg/L	SO ₄ mg/L			
1	7:00	14.5	1.101	0.009	0.009	7.31	13.4	282	350	0.50	0.204	0.380	0.027	0.034	0.17	7.84	280	104	0.01	0.008	0.77	0.8	1.0	1.19									
2	7:00	15.5	1.138	0.014	0.014	7.25	13.1	280	356	0.63	0.205	0.410	0.028	0.035	0.18	7.63	280	104	0.01	0.010	0.90	1.0	1.2	1.01									
3	7:00	15.4	1.110	0.010	0.010	7.31	13.0	280	350	0.55	0.202	0.387	0.020	0.023	0.20	7.78	274	108	0.01	0.009	0.93	0.9	1.1	1.08									
4	7:00	14.2	1.101	0.008	0.008	7.27	14.1	280	350	0.72	0.240	0.368	0.041	0.039	0.38	7.55	274	108	0.01	0.009	0.20	1.1	1.1	1.19									
5	7:00	11.6	0.863	0.766	0.666	7.04	13.6	280	350	0.41	0.201	0.380	0.019	0.023	0.36	7.95	280	110	0.01	0.023	0.60	1.0	1.1	1.15									
6	7:00	13.7	1.022	0.909	0.816	7.25	13.7	280	354	0.05	0.186	0.364	0.027	0.037	0.30	7.43	280	110	0.02	0.013	0.91	1.1	1.2	1.39									
7	7:00	15.1	1.213	1.123	1.007	7.34	13.2	280	350	0.53	0.203	0.377	0.031	0.030	0.17	7.62	282	106	0.01	0.012	0.95	0.7	0.9	1.05									
8	7:00	15.3	1.091	0.973	0.865	7.59	13.2	284	356	0.45	0.214	0.386	0.044	0.033	0.15	7.50	286	110	0.00	0.013	0.88	0.6	0.8	1.15									
9	7:00	13.5	1.067	0.950	0.866	7.43	13.4	270	340	0.51	0.190	0.341	0.016	0.036	0.31	7.60	270	110	0.02	0.005	1.06	1.0	1.2	1.10									
10	7:00	14.9	1.069	0.956	0.874	7.53	13.9	280	300	0.53	0.204	0.302	0.027	0.027	0.29	7.53	270	130	0.01	0.009	0.93	1.2	1.4	1.11									
11	7:00	14.9	1.063	0.933	0.877	7.25	13.5	260	300	0.51	0.187	0.370	0.007	0.027	0.46	7.42	270	120	0.01	0.005	1.08	1.2	1.3	1.04									
12	7:00	14.4	1.094	0.947	0.873	7.01	15.0	280	360	0.53	0.201	0.356	0.022	0.031	0.29	7.47	260	110	0.01	0.010	0.85	1.2	1.3	1.27									
13	7:00	15.5	1.213	1.130	0.994	7.04	13.8	280	340	0.50	0.193	0.369	0.016	0.049	0.35	7.04	280	120	0.01	0.005	0.75	1.3	1.4	1.26									
14	7:00	14.1	1.027	0.922	0.803	7.45	14.5	280	356	0.51	0.202	0.371	0.024	0.038	0.15	7.75	275	106	0.00	0.009	0.59	1.1	1.3	1.32									
15	7:00	16.3	1.273	1.137	1.043	7.58	13.5	288	360	0.37	0.202	0.416	0.021	0.021	0.14	7.80	286	102	0.00	0.011	0.96	1.1	1.5	1.31									
16	7:00	17.8	1.988	1.281	1.106	7.18	12.8	270	340	0.61	0.200	0.385	0.027	0.045	0.85	7.44	270	130	0.01	0.014	0.75	1.4	1.8	1.34									
17	7:00	11.8	0.899	0.785	0.686	7.21	13.1	280	340	0.60	0.196	0.420	0.034	0.034	0.52	7.44	270	140	0.01	0.018	1.11	1.2	1.3	1.09									
18	7:00	13.3	1.030	0.977	0.840	7.24	13.7	270	300	0.76	0.204	0.368	0.019	0.032	0.89	7.70	260	100	0.01	0.008	0.96	1.2	1.3	1.24									
19	7:00	11.6	0.888	0.710	0.673	7.04	13.3	280	360	0.75	0.204	0.380	0.021	0.037	0.77	7.05	200	130	0.01	0.007	0.78	1.2	1.3	1.01									
20	7:00	12.6	0.987	0.886	0.805	7.30	12.8	270	360	0.52	0.196	0.362	0.019	0.043	0.33	7.83	250	130	0.01	0.011	0.92	1.3	1.3	1.16									
21	7:00	15.0	1.115	1.069	0.872	7.09	13.4	280	360	0.52	0.196	0.362	0.021	0.031	0.19	7.72	260	110	0.01	0.017	0.79	0.6	1.0	1.22									
22	7:00	16.5	1.287	1.088	1.028	7.04	13.2	280	370	0.88	0.207	0.446	0.020	0.023	0.43	7.04	270	130	0.01	0.013	0.64	0.9	1.2	1.36									
23	7:00	16.2	1.247	1.126	1.022	7.14	13.5	270	370	0.95	0.207	0.368	0.023	0.018	0.41	7.51	270	130	0.01	0.019	0.67	1.0	1.1	1.22									
24	7:00	17.3	1.288	1.174	1.004	7.41	14.3	280	380	0.75	0.196	0.355	0.019	0.027	0.22	7.71	260	130	0.01	0.007	0.78	1.0	1.2	1.30									
25	7:00	15.1	1.179	1.082	0.945	7.04	14.8	280	360	0.75	0.200	0.360	0.016	0.024	0.30	7.04	270	130	0.01	0.008	0.63	1.0	1.1	1.41									
26	7:00	17.8	1.255	1.100	1.000	7.40	14.2	280	360	1.17	0.200	0.357	0.024	0.027	0.22	7.80	280	110	0.00	0.011	0.74	0.8	1.1	1.02									
27	7:00	14.7	1.070	0.997	0.873	7.08	14.6	250	360	0.93	0.218	0.378	0.014	0.028	0.32	7.50	270	110	0.01	0.005	1.26	0.9	1.1	1.21									
28	7:00	19.1	1.434	1.353	1.114	7.52	13.0	286	360	0.80	0.214	0.356	0.022	0.025	0.29	7.86	280	110	0.01	0.011	0.79	0.8	0.9	1.32									
29	7:00	16.7	1.294	1.103	1.078	7.47	13.8	270	350	0.69	0.206	0.402	0.022	0.025	0.20	7.60	270	120	0.01	0.010	0.86	1.2	1.4	1.15									
30	7:00	17.5	1.380	1.237	1.100	7.43	14.2	270	360	0.61	0.193	0.364	0.004	0.011	0.25	7.50	270	110	0.01	0.011	1.10	0.8	0.9	1.13									
31	7:00																																
Total																																	
Max																																	
Min																																	
Ave.																																	

CHLORINATION
Type of Chlorine Used: _____
Chlorine Gas _____ %
Calcium Hypochlorite _____ %
Sodium Hypochlorite 12.5 %
Chlorine Test Kit Used: _____

FLUORIDATION
Type of Fluoride Used: _____
Hydrofluoric Acid 23 _____ %
Sodium Fluoride _____ %
Other _____
Type of Test Instrument Used: _____

Enter Final Reading Last Month: _____

POINT OF APPLICATION: _____

METER LOCATION: _____

1. 12.5 % Chlorine Solution Fed
2. 25 % Fluoride Solution Fed
3. 40 % Sulfuric Solution Fed
4. 33 % Phosphate Solution Fed
5. 20 % Sodium Permanganate Fed

I certify that the information in this report is complete and accurate to the best of my knowledge.
Reported by: _____
Inactivated Serial: _____
Date: _____