WOODARD &CURRAN

Monthly Operating Report

JUNE 2018

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So. Sangamon

July 13, 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 June 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 June 2018, the plant pumped 43.915 million gallons from the well field and 34.04 million gallons of finished water. For the period of July 2017 through June 2018, the plant has pumped 5.198 Million gallons less 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 3 emergency call-outs for the month. There were 1 customer inquiries for the month.

Maintenance and Repair. For the month of June 2018, there were 10 inspections, 4 preventative and 14 corrective maintenance activities completed.

Budget. Through the end of the third year plus two month of the contract extension, we are $27,221 under budget for the period. 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 MECO 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 continue 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.

1.2 LOST TIME ACCIDENTS

There were 0 lost time accidents in the month of June 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 43.915 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.	7.71	16.6	1.71	0.242	-	370	300	1.747
Min.	6.82	13.9	0.29	0.183	-	356	270	0.963
Avg.	7.27	15.2	0.82	0.211	-	363	282	1.417
Total	-	-	-	-	-	-	-	42.511

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 34.04 MG during the month with a daily average of 1.134 MG and a min/max of 0.993/1.812 MG.

Table 2.3 Finished Water Quality

	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	1.8	2.0	7.86	20.6	0.0.03	0.036	1.34	240	280	2.03
Min.	.9	1.0	7.03	14.4	0.00	0.001	0..35	110	260	1.04
Avg.	1.4	1.5	7.44	15.5	0.00	0.012	0..78	131	272	1.34
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
July-June	390,598,135	398,320,645	373,765,957
Increase for the same period last year		**-5,895,000**	

FINISHED WATER PUMPING HISTORY						
	2017-2018	2016-2017	2015-2016	2014-2015	2013-2014	2012-2013
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
May	33,304,196	32,120,873	33,349,391	33,371,016	31,157,411	29,592,356
June	**34,040,000**	**39,931,402**	**41,541,321**	**31,092,539**	**38,462,951**	**36,530,691**
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Totals	390,601,733	394,052,642	384,208,454	367,219,468	418,880,652	**395,113,359**
Average	1,070,141	1,079,596	1,052,625	1,006,080	1,147,618	1,082,502
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)**
						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 May 2018, performed by the Springfield Metropolitan Sanitary District, was unknown as of June 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 Chatham Ground Storage tank- Although the rehabilitation of the Chatham Ground Storage Reservoir did not directly affect the operation of the plant, customers may have experienced fluctuations in pressure. Some customers may have experienced taste and odor issues due to the mixing of sub-par CWLP chloramine water with the SSWC produced water.

This project was completed on June 15, 2018.

SCADA Shut Down- During the month of June there were several instances of the Ultra -filters going off line and the plant SCADA shutting down. Do to this failure, on one occasion, the plant pressure dropped low enough that an emergency boil order had to be ordered.

Tonka Screen/Softener -On June 27th the softener control SCADA quit responding. We contacted SCADASERV to trouble shoot the system. After 3 days of trouble shooting the issue was resolved and the Tonka Control Module was operating normally.

Woodard & Curran believes that both instances of the system shutdowns were occurring because of power surges on the plant power. The power utility was notified, and they put on a line sensor to monitor the surges, although the utility states no issues were noted the surging has stopped and the systems have remained online.

3.2 EMERGENCY & SERVICE CALLS

Service Calls:

- There were no emergency call outs for the month.

3.3 EMERGENCY CALL-OUTS

There was 3 emergency call-out for the month requiring operational personnel at the plant after normal business hours.

3.4 CUSTOMER INQUIRIES

There were 1 customer inquiry for the month of June

OTHER WORK PERFORMED

Well #1 was chemically treated and flushed by Layne Well Service. After passing required bacteriological testing well #1 was placed back in service. Currently all Wells are in service and operating normally.

4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of June 2018, there were 10 inspections, 5 preventative and 1 corrective maintenance activity completed.

4.2 CORRECTIVE REPAIRS

Filter Train 1 Backwash Valve. On June 1st, employees of Henson Robinson were on site to install fittings that we assembled earlier in the week for the leak on Train 1. As planned the reengineered fittings were able to relieve the strain at the joint.

Ultra-filters- In the month of May SSWC received a partial shipment of replacement Ultra-filter Modules. As June 30th we are still awaiting the final shipment of Ultra-filter Modules. The Modules have been shipped from overseas and are in route.

5. PROJECT MANAGEMENT & SUPPORT

5.1 STAFFING & TRAINING

- Woodard and Curran continue to train and provide staffing to the plant as needed. With Stephen Bivin providing training and support to Operator in Training Kevin Canham

5.2 CORPORATE SUPPORT

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

- Marc Thomas
- Ray Giguere
- Stephen Bivin
- Greg Frieden
- David Kraus
- Dan Held

5.3 BUDGET

Table 5.3 below is a breakdown of the current budget as of June 29, 2018. Please note that the final contract year has been extended to August 31, 2018.

Table 5.3 Budget Table

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget
Labor (D.L. + OH)	$24,213	$16,198	$338,977	$292,938	$387,408
Utilities	$8,150	$14,927	$114,100	$123,697	$130,400
Chemicals	$14,583	$24,896	$204,162	$213,439	$233,328
Maintenance & Repair	$9,102	$3,004	$118,327	$144,053	$145,632
Chloride	$13,522	$15,081	$189,308	$166,987	$216,352
Lab Supplies and Equipment	$1,882	$808	$26,348	$17,869	$30,112
Office Supplies	$216	$5	$3,024	$3,974	$3,456
Miscellaneous Expenses	$1,141	$1,222	$15,974	$16,627	$18,256
Other Operating Costs	$1,398	$6,099	$19,572	$25,481	$22,368
Subtotal of Costs for Contract Year 3	**$74,206**	**$82,240**	**$1,029,812**	**$1,005,065**	**$1,187,312**
Fixed Fee for Contract Year 3	$7,421	$8,224	$102,981	$100,507	$118,731
Year One Transition			$17,755	$17,755	$17,755
Total	**$81,627**	**$90,464**	**$1,150,548**	**$1,123,327**	**$1,323,798**

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

DIVISION OF PUBLIC WATER SUPPLIES

MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPORT

ON South Sangamon Water Commission **FOR MONTH OI** June 2018

		Pumping Totals				Chemicals Applied										UF Filters					Softeners						Chloride
						Chlorine		Fluoride		Phosphate		NaMnO4		Bi-Sulfite		Each day indicate total number of hours since previous backwash. If backwashed at mid-day, indicate "hours previous" / "hours following."				Wash	Water	Water	Each day indicate total number of hours since previous regeneration. If regeneration at mid-day, indicate hours previous/hours following.				Soft. Regen		In mg/L
Date	Time Meter Read	Hours Filter Ran	UF Gal. Filtered (M gal)	Water Treated (M gal)	Plant Water (M gal)	Am't Used lbs.	Calc mg/l	Am't Used lbs.	Calc mg/l	Am't Used lbs.	Calc mg/l	Am't Used lbs.	Calc mg/l	Am't Used lbs.	Calc mg/l	1	2	3	4	Wash Water Gal. (M gal)	Water Softened Gal. (M gal)	Water Bypassed Gal (M gal)	1	2	3	4	Salt Used lbs.	Washed Water Gal.	IEX 1	IEX 2	IEX 3	IEX 4
1	7:00	16.0	1.114	0.968	0.012	239.0	3.22	36.0	1.47	23.0	0.94	30.00	2.97			0.66	0.66	0.66	0.66	0.133	0.735	0.379		2,110		2,309						
2	7:00	18.3	1.168	1.084	0.011	219.0	2.81	37.0	1.35	29.0	1.06	29.00	2.72			0.66	0.66	0.66	0.66	0.137	0.771	0.397	433		602						
3	7:00	19.0	1.437	1.151	0.017	246.0	2.57	41.0	1.41	39.0	1.34	33.00	3.00			0.66	0.66	0.66	0.66	0.168	0.948	0.489	1,634	1,357	1,801	2,309						
4	7:00	20.4	1.439	1.255	0.018	218.0	2.27	1,037.0	32.70	41.0	1.29	29.00	2.24			0.66	0.66	0.66	0.66	0.173	0.950	0.489				1,440						
5	7:00	21.2	1.446	1.213	0.008	221.0	2.29	39.0	1.27	43.0	1.40	30.00	2.35			0.66	0.66	0.66	0.66	0.162	0.954	0.492	407	812	644	2,125						
6	7:00	21.6	1.444	1.244	0.018	216.0	2.24	35.0	1.11	40.0	1.27	29.00	2.27			0.66	0.66	0.66	0.66	0.164	0.953	0.491	1,452	2,308	1,643							
7	7:00	20.4	1.443	1.187	0.011	205.0	2.13	36.0	1.20	41.0	1.37	23.00	1.78			0.66	0.66	0.66	0.66	0.162	0.952	0.491				431						
8	7:00	19.0	1.348	1.150	0.004	211.0	2.35	36.0	1.24	9.0	0.31	29.00	2.20			0.66	0.66	0.66	0.66	0.155	0.890	0.458	407		540							
9	7:00	19.3	1.394	1.177	0.015	149.0	1.60	26.0	0.87	12.0	0.40	21.00	1.61			0.66	0.66	0.66	0.66	0.153	0.920	0.474	1,902		2,107							
10	7:00	16.7	1.199	0.959	0.011	137.0	1.71	28.0	1.16	15.0	0.62	19.00	1.86			0.66	0.66	0.66	0.66	0.150	0.791	0.408		1,544		402						
11	7:00	15.2	1.064	0.914	0.010	161.0	2.27	24.0	1.04	13.0	0.56	23.00	2.42			0.66	0.66	0.66	0.66	0.114	0.702	0.362	2,058		2,300							
12	7:00	13.0	0.885	0.761	0.009	158.0	2.68	26.0	1.35	19.0	0.99	22.00	2.74			0.66	0.66	0.66	0.66	0.106	0.584	0.301				433						
13	7:00	14.1	0.977	0.793	0.004	159.0	2.44	26.0	1.30	22.0	1.10	22.00	2.58			0.66	0.66	0.66	0.66	0.124	0.645	0.332	2,107	753		1,938						
14	7:00	16.6	1.063	0.943	0.014	204.0	2.88	36.0	1.51	35.0	1.47	28.00	2.85			0.66	0.66	0.66	0.66	0.126	0.702	0.361			724							
15	7:00	16.1	1.085	1.000	0.004	242.0	3.34	42.0	1.66	46.0	1.82	33.00	3.39			0.66	0.66	0.66	0.66	0.130	0.716	0.369	1,335	806	1,606	1,126						
16	7:00	21.2	1.595	1.403	0.018	144.0	1.35	32.0	0.90	38.0	1.07	19.00	1.35			0.66	0.66	0.66	0.66	0.178	1.053	0.542		1,622		1,455						
17	7:00	16.6	1.595	1.336	0.008	258.0	2.42	41.0	1.21	47.0	1.39	35.00	3.12			0.66	0.66	0.66	0.66	0.178	1.053	0.542	910		1,037							
18	7:00	16.8	2.568	1.017	0.009	265.0	1.55	38.0	1.48	51.0	1.98	31.00	2.68			0.66	0.66	0.66	0.66	0.267	1.695	0.873	1,802	1,602	1,929	521						
19	7:00	19.3	1.513	1.263	0.017	183.0	1.81	26.0	0.81	16.0	0.50	21.00	1.59			0.66	0.66	0.66	0.66	0.169	0.999	0.514				1,134						
20	7:00	20.8	1.575	1.346	0.005	224.0	2.13	36.0	1.06	19.0	0.56	28.00	2.00			0.66	0.66	0.66	0.66	0.182	1.040	0.536	654	935	1,139	2,158						
21	7:00	15.1	1.161	1.096	0.016	200.0	2.58	33.0	1.19	20.0	0.72	28.00	2.77			0.66	0.66	0.66	0.66	0.128	0.766	0.395	2,059									
22	7:00	18.5	1.429	1.129	0.009	216.0	2.27	39.0	1.37	26.0	0.91	30.00	2.38			0.66	0.66	0.66	0.66	0.173	0.943	0.486		146	18	1,146						
23	7:00	18.2	1.333	1.088	0.009	234.0	2.63	39.0	1.42	34.0	1.24	32.00	2.74			0.66	0.66	0.66	0.66	0.153	0.880	0.453	1,058	1,941	1,227	1,737						
24	7:00	19.4	1.532	1.316	0.018	221.0	2.16	40.0	1.20	42.0	1.26	30.00	2.23			0.66	0.66	0.66	0.66	0.174	1.011	0.521										
25	7:00	15.9	1.245	1.162	0.000	259.0	3.12	45.0	1.53	49.0	1.67	34.00	3.14			0.66	0.66	0.66	0.66	0.136	0.822	0.423										
26	7:00	21.2	1.638	1.486	0.013	196.0	1.79	31.0	0.83	5.0	0.13	26.00	1.78			0.66	0.66	0.66	0.66	0.190	1.081	0.557	1,136	2,252	900							
27	7:00	18.9	1.452	1.110	0.018	255.0	2.63	42.0	1.50	22.0	0.78	32.00	2.56			0.66	0.66	0.66	0.66	0.178	0.958	0.494				1,327						
28	7:00	19.4	1.358	1.218	0.004	262.0	2.89	40.0	1.30	28.0	0.91	32.00	2.62			0.66	0.66	0.66	0.66	0.152	0.896	0.462	1,201	37	841	2,208						
29	7:00	20.9	1.617	1.418	0.013	264.0	2.45	40.0	1.12	35.0	0.98	31.00	2.15			0.66	0.66	0.66	0.66	0.192	1.067	0.550										
30	7:00	20.4	1.466	1.225	0.004	252.0	2.58	39.0	1.26	41.0	1.32	30.00	2.35			0.66	0.66	0.66	0.66	0.177	0.968	0.498	518	1,211	236	900						
31	7:00															0.66	0.66	0.66	0.66													
Total				34.41																												
Max				1.49																												
Min				0.76																												
Ave.				1.15																												

RTW Sample Temp ____ °C Alkalinity ____ mg/L Sulfate ____ mg/L

TDS ____ mg/L Calcium Hardness ____ mg/L

pH ____ SU Chloiride ____ mg/L

*Enter Final Reading Last Month

POINT OF APPLICATION

METER LOCATION:

1. 12.5 % Chlorine Solution Fed
2. 23 % Fluoride Solution Fed
3. 40 % BisulfiteSolution 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: _____ Cert or Req: _____

Bacterials Sent: _____

Date:

CHLORINATION

Type of Chlorine Used

Chlorine Gas

Calcium Hypochlorite ____%

Sodium Hypochlorite _12.5 %

Chlorine Test Kit Used: _____

FLUORIDATION

Type of Fluoride Used

Hydrofluosilicic Acid _23___%F

Sodium Fluoride ____%F

Other _____

Type of Test Instrument Used:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPC

DIVISION OF PUBLIC WATER SUPPLIES

ON South Sangamon Water Commission

FOR MONTH OF June 2018

			Pumping Totals				Chemical Test																							Membrane Integrity Test
							Raw						Pre Filter			Post Filter			Post IEX		Finished									Post Filter
Date	Time Meter Read	Hours Filter Ran	Total Well (M gal)	UF Gallons Filtered (M gal)	Water Treated (M gal)	Plant Water (M gal)	pH	Temp deg. C	Total Alk. mg/L	Total Hard. mg/L	Total Fe mg/L	Total Mn mg/L	Tot Fe mg/L	Tot Mn mg/L	Sol Mn mg/L	Total Fe mg/L	Total Mn mg/L	Mem Turb. NTU	Total Fe mg/L	Total Mn mg/L	pH	Total Alk. mg/L	Total Hard. mg/L	Total Fe mg/L	Total Mn mg/L	F mg/L	Dist. Cl res F = Free T = Total F mg/L	Dist. Cl res F = Free T = Total T mg/L	PO4 3-	Bank 1	Bank 2	Bank 3
1	7:00	16.0	1.262	1.114	0.968	0.012	7.04	15.1	290	362	0.55	0.195		0.348	0.016		0.031	0.36			7.03	270	126	0.01	0.006	0.85	1.3	1.4	1.24			
2	7:00	18.3	1.332	1.168	1.084	0.011	7.47	14.8	280	360	0.95	0.183		0.351	0.010		0.022	0.46			7.54	270	130	0.00	0.009	1.12	1.8	1.9	1.31			
3	7:00	19.0	1.412	1.437	1.151	0.017	7.71	15.1	290	360	0.88	0.210		0.354	0.016		0.021	0.36			7.77	268	124	0.01	0.018	0.76	1.5	1.5	1.36			
4	7:00	20.4	1.600	1.439	1.255	0.018	7.28	14.0	286	358	1.64	0.208		0.347	0.013		0.025	0.31			7.49	274	120	0.00	0.005	0.76	1.6	1.6	1.39			
5	7:00	21.2	1.582	1.446	1.213	0.008	7.03	15.3	290	358	0.58	0.197		0.371	0.016		0.035	0.43			7.04	270	136	0.00	0.007	0.75	1.1	1.2	1.04			
6	7:00	21.6	1.590	1.444	1.244	0.018	7.24	13.9	290	368	0.58	0.194		0.367	0.016		0.021	0.22			7.47	274	122	0.00	0.007	0.83	1.5	1.5	1.12	Pass	Pass	Pass
7	7:00	20.4	1.602	1.443	1.187	0.011	7.29	14.1	292	360	0.68	0.198		0.360	0.020		0.024	0.38			7.54	274	120	0.01	0.005	0.82	1.3	1.4	1.24			
8	7:00	19.0	1.474	1.348	1.150	0.004	7.35	15.2	300	364	0.86	0.207		0.360	0.031		0.033	0.23			7.80	280	120	0.00	0.011	0.89	1.5	1.5	1.22			
9	7:00	19.3	1.537	1.394	1.177	0.015	7.42	15.9	290	360	0.53	0.203		0.362	0.028		0.036	0.19			7.70	280	110	0.00	0.015	0.88	1.3	1.3	1.26			
10	7:00	16.7	1.266	1.199	0.959	0.011	7.45	15.9	290	356	0.46	0.204		0.360	0.022		0.024	0.31			7.39	278	120	0.00	0.012	1.12	1.4	1.4	1.79			
11	7:00	15.2	1.171	1.064	0.914	0.010	7.03	15.5	280	368	0.51	0.206		0.330	0.023		0.032	0.40			7.59	280	120	0.02	0.014	1.34	1.0	1.1	2.03			
12	7:00	13.0	0.993	0.885	0.761	0.009	7.17	15.7	286	364	1.00	0.220		0.345	0.028		0.018	0.31			7.49	270	128	0.00	0.004	0.74	1.5	1.6	1.40			
13	7:00	14.1	1.061	0.977	0.793	0.004	7.03	15.0	290	370	1.20	0.223		0.375	0.029		0.035	0.29			7.03	276	128	0.00	0.029	0.77	1.4	1.5	1.34			
14	7:00	16.6	1.222	1.063	0.943	0.014	7.20	15.7	280	366	1.39	0.212		0.352	0.020		0.031	0.30			7.51	270	130	0.01	0.013	0.87	1.4	1.5	1.20	Pass	Pass	Pass
15	7:00	16.1	1.223	1.085	1.000	0.004	7.29	14.8	282	370	1.71	0.234		0.365	0.053		0.050	0.30			7.50	272	132	0.00	0.017	0.85	1.4	1.5	1.25			
16	7:00	21.2	1.760	1.595	1.403	0.018	7.36	14.9	286	360	1.27	0.217		0.391	0.026		0.036	0.33			7.33	270	136	0.00	0.011	0.69	1.5	1.5	1.36			
17	7:00	16.6	1.398	1.595	1.336	0.008	7.34	16.6	280	370	0.85	0.218		0.360	0.020		0.030	0.35			7.26	276	136	0.03	0.020	0.35	1.4	1.4	1.96			
18	7:00	16.8	1.419	2.568	1.017	0.009	7.27	16.2	280	360	0.89	0.219		0.366	0.016		0.032	0.31			7.57	270	118	0.00	0.014	0.42	1.4	1.5	1.29			
19	7:00	19.3	1.655	1.513	1.263	0.017	7.04	14.9	272	366	0.97	0.213		0.370	0.021		0.029	0.33			7.03	268	130	0.00	0.014	0.72	1.5	1.7	1.37	Pass	Pass	Pass
20	7:00	20.8	1.749	1.575	1.346	0.005	7.04	15.1	280	360	0.80	0.213		0.370	0.023		0.034	0.44			7.03	270	126	0.00	0.009	0.74	1.2	1.4	1.22			
21	7:00	15.1	1.272	1.161	1.096	0.016	7.22	15.1	274	362	0.58	0.200		0.346	0.020		0.035	0.44			7.57	274	128	0.00	0.020	0.76	1.7	1.7	1.31			
22	7:00	18.5	1.576	1.429	1.129	0.009	7.22	15.1	280	360	0.80	0.224		0.353	0.031		0.053	0.47			7.55	260	120	0.00	0.018	0.68	1.2	1.4	1.28			
23	7:00	18.2	1.459	1.333	1.088	0.009	7.34	15.0	274	364	0.71	0.206		0.351	0.022		0.036	0.51			7.27	266	124	0.00	0.012	0.76	1.4	1.4	1.27			
24	7:00	19.4	1.677	1.532	1.316	0.018	6.82	15.6	274	366	0.52	0.224		0.360	0.025		0.049	0.38			7.14	272	128	0.00	0.013	0.64	1.3	1.5	1.23			
25	7:00	15.9	1.352	1.245	1.162	0.000	7.30	14.7	270	362	0.29	0.204		0.361	0.024		0.040	0.40			7.52	270	160	0.00	0.009	1.05	0.9	1.0	1.29			
26	7:00	21.2	1.812	1.638	1.486	0.013	7.58	14.5	280	360	0.69	0.236		0.361	0.024		0.044	0.39			7.86	270	180	0.00	0.011	0.65	1.1	1.6	1.29			
27	7:00	18.9	1.550	1.452	1.110	0.018	7.34	15.5	270	364	0.53	0.209		0.360	0.021		0.044	0.28			7.52	270	120	0.00	0.004	0.53	1.3	1.4	1.18			
28	7:00	19.4	1.520	1.358	1.218	0.004	7.24	15.1	280	360	0.73	0.202		0.353	0.012		0.030	0.26			7.51	270	110	0.00	0.001	0.66	1.7	1.8	1.49	Pass	Pass	Pass
29	7:00	20.9	1.793	1.617	1.418	0.013	7.54	14.8	278	364	0.77	0.206		0.345	0.015		0.039	0.40			7.25	268	122	0.01	0.005	0.56	1.4	2.0	1.41			
30	7:00	20.4	1.596	1.466	1.225	0.004	7.31	15.4	280	360	0.59	0.242		0.407	0.042		0.083	0.44			7.75	270	240	0.01	0.036	0.78	1.1	1.3	1.18			
31	7:00																															
Total					34.41																											
Max					1.49																											
Min					0.76																											
Ave.					1.15																											

*Enter Final Reading Last Month

POINT OF APPLICATION

METER LOCATION:

1. 12.5 % Chlorine Solution Fed
2. 23 % Fluoride Solution Fed
3. 40 % Bisulfite 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: Cert or Req:

Bacterials Sent:

Date:

CHLORINATION

Type of Chlorine Used

Chlorine Gas

Calcium Hypochlorite ____%

Sodium Hypochlorite _12.5 %

Chlorine Test Kit Used: _____

FLUORIDATION

Type of Fluoride Used

Hydrofluosilicic Acid _23___%F

Sodium Fluoride ____%F

Other _____

Type of Test Instrument Used: