







WOODARDCUITAN.COM COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating Report

JULY 2018

0217327.00 So. Sangamon August 20, 2018

TABLE OF CONTENTS



SECTION

Exe	cutive Sum	ımaryES	3-1
1.	SAFETY		I-1
	1.1 1.2 1.3 1.4	Safety Training Lost time Accidents Safety Audit Miscellaneous Safety	1-1 1-1
2.	COMPLIA	NCE, FLOWS AND LOADINGS	2-2
	2.1 2.2 2.3 2.4	Compliance	2-2 2-2
3.	OPERATIO	ONS	3-1
	3.1 3.2 3.3 3.4	Events impacting operations Emergency & Service calls Emergency Call-outs Customer Inquiries	3-1 3-1
4.	MAINTEN	ANCE AND REPAIR	1-2
	4.1 4.2	Preventative and predictive maintenance	
5.	PROJECT	MANAGEMENT & SUPPORT	5-1
	5.1 5.2 5.3	Staffing & Training	5-1
6.	CAPITAL	PLANNING	յ-1
	6.1 6.2	Approved CIP Projects Current status Draft Capital Improvement Plan	



LIST OF TABLES

TABLEPAGE NO.Table 2.2 Influent Concentrations and Flow.2-2Table 2.3 Finished Water Quality.2-2Table 2.4 Weekly Grab Sample Analysis Results.2-3Table 4.1 Budget Table.5-2



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 July 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 July 2018, the plant pumped 52.453 million gallons from the well field and 41.178 million gallons of finished water. For the period of August 2017 through July 2018, the plant has pumped 11.224 Million 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 enough capacity before issuance of water main extension permits.

Operations. There was 8 emergency call-outs for the month. There were 1 customer inquiries for the month.

Maintenance and Repair. For the month of July 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 contract extension, we are \$27,221 under budget for the period. <u>Please note that not all expenses for the 2017-2018 timeframe have been added to this summary.</u>

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. The June 2018 safety training topic was "

1.2 LOST TIME ACCIDENTS

There were 0 lost time accidents in the month of July 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 52.453 MG. The influent parameters were all within the normal range.

		Tab	le 2.2 Infl	uent Conce	entrations a	Ind Flow		
	рН	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Well Flow Gals (k)
Max.	7.89	15.7	1.41	.287	-	370	290	1.893
Min.	7.04	14.0	.30	0.195	-	350	268	1.234
Avg.	7.30	14.8	.78	0.220	-	360	279	1.692
Total	-	-	-	-	-	-	-	52.453

The influent flow and loadings are summarized below in Table 2.2

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 47.769 MG during the month with a daily average of 1.541 MG and a min/max 1.163/1.719 MG.

				Table	2.3 Fir	nished Wat	er Qualit	у		
	Free CL2	Total CL2	рН	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	1.9	2.0	8.40	15.8	.22	0.07	1.18	240	284	1.60
Min.	1.0	1.0	7.04	14.3	0.00	0.004	0.62	108	250	.61
Avg.	1.5	1.7	7.50	15.2	0.01	0.020	0.81	148	275	1.28
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
August-July	389,615,528	400,839,173	386,463,475
Increase for the same pe	eriod last year	-11.224 MG	



		FINISHED W	ATER PUMPII	NG HISTORY		
	2017-2018	2016-2017	2015-2016	2014-2015	2013-2014	2012-2013
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
July	41,178,722	42,164,927	35,378,396	33,123,375	38,674,894	40,908,704
Totals	389,615,528	400,839,173	386,463,475	367,844,636	421,326,405	378,241,187
Average	1,067,439	1,098,190	1,058,804	1,007,794	1,154,319	1,036,277
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.

	L	_agoon Eff	luent Results	;		
Date	Fe (mg/l)	Mn (mg/l)	Chloride (mg/l)	Cl² (mg/l)	pH (S.U.)	TSS (mg/l)
						0
Minimum		1.0	192			6.0
Maximum		1.0	192			6.0
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 July 15, 2018. The limit for chloride discharge to the sanitary district is 30,000 mg/L.





3. OPERATIONS

3.1 EVENTS IMPACTING OPERATIONS

SOFTENER SHUTDOWN- During the month of July softener number 3 had a valve malfunction which caused all backwashes and regens to stack up, which interfered with routine maintenance and cleaning, which interfered with our normal operations.

3.2 EMERGENCY & SERVICE CALLS

Service Calls:

• There were no emergency call outs for the month.

3.3 EMERGENCY CALL-OUTS

There was 8 emergency call-out for the month requiring operational personnel at the plant after normal business hours

3.4 CUSTOMER INQUIRIES

There was 1 customer inquiry for the month.

OTHER WORK PERFORMED

Chemically treated Lagoons for vegetation and algae growth.



4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

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

4.2 CORRECTIVE REPAIR

Ultra-filters- Received final shipment of Ultra-Filters on July 6th, 2018. Began the installation process. The afternoon of July 11th all new filter modules where installed and operational.

SCADA ISSUES – There have been multiple issues with the SCADA programming that has been trouble shot by SCADASERV.



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, provided assistance in operation and/or maintenance of the plant during the month.

- Marc Thomas
- Kevin Canham
- Ray Giguere

- Greg Frieden
- David Kraus

• Stephen Bivin



5.3 BUDGET

Table 5.3 below is a breakdown of the current budget as of May 25, 2018. <u>Please note that not all expenses</u> for the 2017-2018 timeframe have been added to this summary.

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget
Labor (D.L. + OH)	\$24,213	\$13,892	\$363,190	\$306,830	\$387,408
Utilities	\$8,150	\$594	\$122,250	\$124,291	\$130,400
Chemicals	\$14,583	\$8,985	\$218,745	\$222,424	\$233,328
Maintenance & Repair	\$9,102	\$5,648	\$127,429	\$149,702	\$145,632
Chloride	\$13,522	\$12,727	\$202,830	\$179,714	\$216,352
Lab Supplies and Equipment	\$1,882	\$1,763	\$28,230	\$19,632	\$30,112
Office Supplies	\$216	\$0	\$3,240	\$3,974	\$3,456
Miscellaneous Expenses	\$1,141	\$1,072	\$17,115	\$17,700	\$18,256
Other Operating Costs	\$1,398	\$1,268	\$20,970	\$26,749	\$22,368
Subtotal of Costs for Contract Year 3	\$74,206	\$45,950	\$1,104,018	\$1,051,004	\$1,187,312
Fixed Fee for Contract Year 3	\$7,421	\$4,595	\$110,402	\$105,100	\$118,731
Year One Transition			\$17,755	\$17,755	\$17,755
Total	\$81,627	\$50,545	\$1,232,175	\$1,173,859	\$1,323,798

Table 5.3 Budget Table



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.

				3 IEX 4	-	+	+	+	+	+	+				-	-	-	+	+	+	+		-	+	+	+	-			+	+	-								
	Chloride		ln mg/L	IEX 3		4	1	1	ļ	1	L						_	4	4	+	\downarrow			\downarrow	ļ	L				1										
2	5		2	IEX 2																																				
Page 1 of 2				IEX1																																				
		nebe	Washed Wator Gal.			T			Ι	Ι	Γ						Series -							T	Τ	Τ	I			Ι	Τ	Τ								
		Soft. Regen	Salt Used Ibs.		T	T	T	T	T	T	T				1	1	1	T	T	T	T			T	T	T	T	T		1	T						-%E	чж.	Used:	
		unter d	emeration. y metuota Moning	4	800 2,242	4	200	1 0540 014		643	1,110	1,3091,629	1,7132,034	_	37	449	1.245		651	0+0-	t	1,332	1.811	1	1 108	1.641	2.009	E		118	1,324	*70%					E.	×	Type of Test Instrument Used:	
	Softeners	Cary indicate total number	aves strine perious repen reponention at mod day , i nours preveablicate falls			11 11,624	200 121 CP1+	101 4 05	1 0170 017	0.24	326	302 1,30	1,1531,710	7582,158		47 322	1,050	2,223	823	200 6		1,6591.139	1.820	19 711	101	2.242	-	711		2,042 839	010 000	121 002				bed	uosilicic.	Sodium Fluoride Other	f Test In	
	ŝ	Each day	i men	-	1,1284	2.138	- 6 + 4	140	1	AC0 10.1	2.031		630 1.	1,4361,756	2,321		806	1,952		1,500.1	326	1,5321.6	2,252	1 0.06	102 1050 1	2.2	612			~	Ť	1			ATION	luonde L	Hydroff	Sodium	Type o	
REPORT		Water	Bypassed Cal (M gal)		0.507	0.540	0.400	0 400	0 505	0.467	0.497	0.528	0.534	0.561	0.559	0.566	0.584	0.576	0.395	0.450	0.551	0.527	0.573	0.549	0.550	0.552	0.519	0.534	0.490	0.536	01510	2100			FLUORIDATION	Type of Fluoride Used				
MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPORT ON South Sangarnon Water Commission FOR MONTH O July 2018		Water	75		0.985	+	0.968	+	1000	+	+	1.026	-	1.088	_	-	-	+	+	0801	+		+	1.065	╋	+	+-	1.037	0.951	1.040	1001	-			ľ	<u> </u>				1
GE SOF	н	Wash	the second s			-	_	100	0.100		-	-	_	_	_	0.178 1		_	-	0.127 0	-		-	0.175 1	-	-		-	_	0.142	_	_	7							
XCHAN sion		-		4	_		-			0.86								-	-	0.66		0.66 0.		0.66 0.0		_	-		_	0.66 0.			1/6w					نہ] % %		
D ION E Commis 018	UF Filters	umber of ho	chwashed c	3	-		_	-	_	0.66	_	_	-	0.66	_	_	-	-	-	00.0	_	_		0.66	_	-				9990	-		Sulfate					orite_12	Used:	
WAL AND IC in Water Cor July 2018	D	ach day indicate lotal number of hours sin	erious laschwech. If backweched at mid- indicate "hours previous" / "hours fidewing."	2	0.66	99.0	0.66	0.65	0.66	0.66	0.68	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.00	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66				Z	e Used	e Gas	Calcium Hypochlorite%	Chlorine Test Kit Used:	
LY IRON REMOVAL AND ION EXCH South Sangamon Water Commission NUTH O July 2018		ach day ind	evious lead indicate	-	0.66	0.66	0.66	0.66	0.06	0.66	0.00	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0000	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66				CHLORINATION	Type of Chlorine Used	Chlorine Gas	Sodium	Chlorine	
MONTHLY IRO		Bi-Sulfite	Calc],	- mg/	le le	CHLOF	Type of		_	_	
MONT ON FOR M		BI-S	Am't Used Ibs.				_	1	1									_	_												-		Į							
		NaMn04	Calc		_	_	1.15	100	_	_	2.75		0 2.53				1000	_	0 3.63	100		0 2.70		0 2.50	14		10000			97.Z 0			Alkalinity	Hardness Chloiride						
			< > =			-	00.61	_	00'00 t	_	-	-		2 34.00		1 35.00		-	_	2 33.00	_	-	-	33.00	-	-	-		_		27.00	_		Calcium Hardness Chloiride				mplete		
	Chemicals Applied	Phosphate	d Calc mg/	-		-	-	-	+	0 1.00	-	+	-	0 1.42		-	-	-	-	0 1.12 0 1.75	-	-	-	0 1.59	-	+		-	-	-	1.22							lation in this report is complete set of my knowledge	Cert or Req:	
			25	-	-	-	-	-	940	-	+	-	1.20 47.0	-		-	-	-	-	31 30.U	+	-		1.47 54.0	-	-			-	-	1.10 40.0	-	о П	1/6m				I certify that the information in this report is and accurate to the best of my knowledge	Cert	
		Fluoride	ant Calo	-	-	-	00 2 0	-	0 1 1	+	+	-	43.0 1.1			-	-	-	+	44.0 1.3/	+	-		-	37.0 4	+	+			-	36.0 1.	-	du	Sp 19				best of r		
al Iddits		F	25	-	-	-	10 20.0	+	+	+	+	+	2.84 42	2.65 44.0	_		-	-	-	3.43 4	+		-	2.94 5(+	+			2.86 44	-+	2.66 36	-	5	-				I certify that the inform and accurate to the be	sent:	
ENCY		Chlorine	Am't Used Calc Ibs. mg/t	_	_	_	238.0 2.43	-		_	1000	276.0 21		292.0 2.	-	-	-	1100	-	293.0 3.	286.0 2	-	-	317.0 2.	-		-		275.0 2.	-	266.0 2.	-	RTW Sample					ertity the d accura	Reported by: Bacterials Sent:	Date:
TON AG		\mathbf{F}	Plant A Water Us (M cal) Ib		-		0.000 050 050 0	-	_		-	0.012 27	0.014 297.	0.017 29	-	0	-	0.013 19	-		- 00	0.000 31	1.1	0.017 31	-	-	100	-	_	_	0.015 26	_	R					0 E I		
TAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES	otals		Water PI Treated W	-	-		1.2/8 0.	1 267 0	-	1 242 0	-	1.379 0.(1.421 0.0	1.425 0.0	1000	1.405 0.1		.323 0.	0 198	500 ECY	-	239 0.	1.540 0.	1.347 0.4	_	-	-	237 0.	1.357 0.	_	1.295 0.	-	1.59	0.96 1 3.4	h	Г		on Fed	ution Fed	inganate
NTAL P	Pinping 1		UF Gal, W Filtered Tre			1.1	-	4 460 4	100	-	_	-	1.570 1	1.649 1.	1.644 1.	1.666 1.	-	1.694 1.	1.163 0	1.280 1		1.550 1	-	1.614 1.		1.623 1		1.571 1	1.441 1	_	1.501 1	-			Last Month	NO		de Soluti	% Phosphate Solution Fed	% Sodium Permanganate Fed
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY INVISION OF BUILTIN AGENCY	P	F	Hours UI Fitter Fi	_		_	-	-	-	18.3	-	-	21.2 1	21.4 1		-	-	-	-	1 0.11	+	22.1 1		21.7 1	-	+				-	21.0					APPLICATIC	TION:	% Chlorine Solution Fed % Fluoride Solution Fed	% Phosphate Solution Fed	% Sodiu
DIS ENV	-	T	Time Meter Read	-		-	-	+	+	7.00	+	+	7:00	7:00		7:00	-	7:00	+	2.00	+	7:00	7:00	7:00	2.00	2.00	00:2	7:00	7:00	2:00	7.00	-			Ē	T OF AP	LOC/		33	
CLIN		t	Date	-	-	+	m .	┿	+	0 r	. 6	0	9	11	12	13	14	15	9	11/	6	20	21	22	34	25	26	27	28	28	R a	Total	Мах	Ave	"Ente	POINT	METER	- 01	1 4	ő

South Sangamon Water Commission June 2018 Monthly Operation Report Woodard & Curran July 10, 2018



Membrane Interrity T	Post Filter		Bank 2 Bank	t			1	1	1	1	T	t			1		1				1	T				Ţ										
Membrar	d		Bank 1																												_		• 11 •			
ſ	T	P043	1.35	1.21	1.30	1.32	1.36	1.28	1.32	1.36	1.35	1,38	1.27	1.37	1.31	1.26	1.27	1 20	1.27	1.27	1.34	1.33	1.18	1.18	1.29	1.16	1.60	1.46	0.61				23 %F	3%	Type of Test instrument Used:	
		Clires Free Total	T mg/L	1.7	1.8	1.8	1.6	1.7	1.6	1.9	1.1	17	1,8	1.9	1.4	1.7	1.1	1 1	1.1	1.8	2.0	n	n) 1	1.7	1.7	1.6	1.9	1.9	1.4				Acid		Istrume	
		Dist. Clires F = Free T = Total	F mg/L 1.6	1.6	1.8	1.7	1,6	1.5	1.5	1.1	1.1	1.6	1.7	1.5	1.3	1.4	1.4		1.0	1.4	1.9	10+	1.5	1.6	1.6	1.6	17	1.6	1.3			N le Used	Hydrofluosilicic Acid 23	Sodium Fluoride	of Test I	
		₽ mg/L	0.65	0.63	0.66	0.74	0.74	0.71	0.62	0.87	1.04		-	0.67			0.76					0.83	-	-	1.00	0.88			1.18			FLUORIDATION Type of Fluoride Used	Hydrof	Sodiur	Type	
	Finished	Total Mn mg/L	600.0	0.008	0.012	0.010	0.004	0.008	0.013	0.009	0.038	0.008	0.009	0.008	020.0	0.018	0.024	0.013	0.020	0.015	0.012	0.017	0.021	0.046	0.053	0.034	0.022	0.019	0.018			Type				
	-	Total Fe mg/L	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	000	0.00	0.01	0.22	0.00	0.00	0.0	0.00	0.01	0.00	0.00	0.01	0.01	0.04	0.00	0.01	0.00	0.01							
		Total Hard. mg/L	138	118	120	118	120	128	124	126	128	124	128	130	135	170	190	126	220	224	108	114	240	160	150	120	220	140	188						12.5 %	
		Total Alk. mg/L	268	278	276	280	282	280	274	272	270	270	278	250	270	276	280	270	270	266	276	276	260	280	274	270	282	276	280					hlorite	Sodium Hypochlorite_12.5 Chlorine Test Kit Used:	
		H	7.44	14.1	7.51	7.24	7,48	7.52	7.43	7.52	7.47	BG.7	7 70	7.50	7.60	7.54	7.49	7.04	10.7	7.28	8.40	7.40	7.43	7.49	7.64	7.45	7.60	7.63	7.61				e Gas	Calcium Hypochlorite	e Test K	
	EX	l'otal Mn mg/L		t	Γ						1	1	T	T			1	T	T			T	T	Π	1	T	T	Π					Chlorine Gas	Calcium	Sodium Chlorine	
	Post IEX	Fe Fe mg/L	1	t	T		Π				1	t	T	t	T		1	t	t			T	t	П	1	T	П					N Bed				
Chamical Tast		Mem Turb. NTU	7 27	0.78	0.30	76.0	0.41	0.39	0.45	0.43	0.41	0.43	0.42	0.41	0.37	0.43	0.28	0.38	0.47	0.48	0.24	0.33	0.19	0.23	0.31	0.49	0.33	0.29	0.32			CHLORINATION Type of Chlorine Used				
ť	ost Filter	I otal Mn mg/L	0 0af	0000	0.048		0.047		0.046	0.039	0.047		0.045		0.015			0.057		-		_	0.018	0.032	0.032	0.028	0.055	0.075	0.065			CHLOR Type of				
	P	Total Fe		T	T	Γ		T					T					T	T				Ι													
		Sol Mn		0.020			0.031	0.029	0.030	0.026			0.027	0.024	0.035	0.036	0.031	0.023	0.020	0.025	0.033		N D D F B	3 0.026	5 0.028	8 0.018	0.029	0.048	0.024							
	Pre Filte	Mn	-	0.964	0.390	0.367	0.364	0.367	0.363	0.358	0.367	0.384	0.374	0.366	0.371	0.348	0.371	0.400	0.387	0.389	0.460	0.383	0.458	0.398	0.375	0.388	0.412	0.361	0.351							
		Tot Fe	100 C				10	0		2	0	N	0 1	0	0	9	0		D a	00	2	œ .	t 19	9	5	2 4	1 =	9	3							
		Mn	_	0.203	-	_	_		-	1 0.212	_	_	0.215	-		9 0.226	-	_	B07.0 0			0 0.218	and the local division in which the	1 0.246	_	1 0.217	-	-	7 0.213					proplete	÷	
		Fe Fe	-	0.51	-	-	-	-	-			-	0.59	-	-			-	030	-		2 0.90		+-		_	5 1.15	-	1.17				-	oort is cr	wledge Cert or Req:	
	Naw	Hard.	-	360	+-		-	-	-		_	-	362			2 370	_	-	360	-		-	100 D	+-		360	+	-						this rej	ly kinowi Ci	
		p Alk.		280	-	_	2 276	_	2 278		-	-	5 278		-	2 282	_	-	-27U	-		_	0 280	-		-	-	+	8 286				-	nation ir	vest of n	
		Temp dea. C	46.7	4 15.0		1000	1000		3 14.2	1.00		1000	8 14.8 A 15.1			3 15.2			4 14.5	-	_	-	5 10.0 K 15.4	-	_	-	.34 14.5	-	8 14.8					he infor	e to the t ent:	
	+	Hd	r		1	-	7	2	F	2	7	~ "		- 1-	1	7	7	~		-	-	~		-	1	-		-	-					cartity that the information in this report is complete	and accurate to the best of my knowledge Reported by: Backeriels Sent:	
	-	er Plant ed Water		00000	-			-		6 0.013			5 0.017			3 0.013	4 0.009		3 0.017	-	-		-	1 0.011	-	_	7 0.003	-	-	2 9 1	2 2	4	-	cert	Repu	Date
	Pumping Total	d Treated		1.270	-	+-	-	-	-	1.286	-	-	1.425		-	1.323	0.964	-	1.423	-	-	-		1371	-	-	1.357	+		41.52					6	te Fed
	Pumpi	Gallons Filtered		1.492	1.467	1.467	1.468	1.487	1.373	1.462	1.554	1.570	1.649	1111	1.719	1.694	1,163	1.280	1.636	1550	1.684	1.814	部門	1.673	1.527	1571	1.441	1201	1.517			ŧ		tion Fed	tion Fed tion Fed	langana
		Total Well	Infi Mal	1.656	1.631	1.605	1.612	1.579	1.565	1.586	1.703	1.725	1.831	1.626	1.893	1.818	1.234	1.475	1.788	1.723	1.835	1.766	1.724	1.757	1.682	1.712	1.575	1.667	1.672			Enter Final Reading Last Month	NO	12.5 % Chlorine Solution Fed	% Fluoride Solution Fed % Bisulfite Solution Fed % Phosphate Solution Fed	% Sodium Permanganate Fed
100	T		-	19.8	20.2	20.2	19.0	18.3	18.1	18.5	19.8	21.2	21.4	012	21.7	20.5	14.6	17.0	20.7	20.4	21.1	21.7	20.6	212	20.8	21.3	19.8	21.0	21.1			Reading	POINT OF APPLICATION	% Chlor	% Fluon % Bisult % Phos	% Sodi
	I			7.00	2:00	2.00	2.00	1:00	2:00	7:00	7:00	7:00	_	2.00		7:00	2:00	2:00	7:00	2.00	-	7:00	7,00	NO:/	-	7:00	-	00:4	2:00			r Final F	P IOL	12.5	23 1 123	1.3
		Date		- •	~ ~	•	5	9	2	8	6	10	Ħ	1 1	14	15	16	17	18	20	21	22	23	25	26	27	8	8 8	31	Total Max	Ave.	"Ente	NO-	1. 1	N 10 4	ù.

