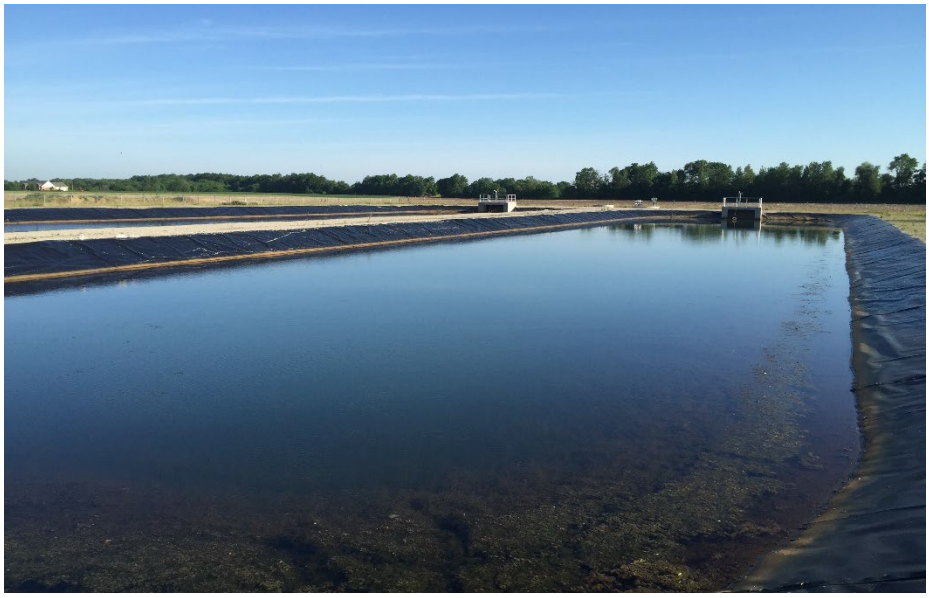
Monthly Operating Report

February:2025



So. Sangamon Water Commission

March 17th, 2025

SSWC

9199 Buckhart Rd Rochester IL 62563

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EXECUTIVE SUMMARY

Safety. Safety is the number one priority at South Sangamon. We have instituted a monthly safety meeting for operations staff at the plant. There were no lost time accidents in the month of February 2025.

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 February 2025, the plant pumped 38.665 million gallons from the well field and 34.354 million gallons of finished water. This is .180 million gallons less than February 2024.

The SSWC plant has been removed from Critical Review status.

Operations. There was 0 emergency call-outs for the month. There were numerous customer inquiry for the month.

Maintenance and Repair. For the month of February 2025, there were 28 inspections, 3 preventative and multiple corrective maintenance activity completed. There was 0 repair activities performed.

Budget. Passed at May 20th 2024 meeting.

Capital Planning.

Chatham emergency interconnect

Onsite fuel storage tanks

Detention Tank

Well#11

1. SAFETY

1.1 SAFETY TRAINING

At South Sangamon we strive to provide a safe working environment for all employees. This is accomplished with daily safety meetings and open communication.

1.2 LOST TIME ACCIDENTS

There were 0 lost time accidents in the month of February 2025.

1.3 SAFETY AUDIT

No safety audits to date.

1.4 MISCELLANEOUS SAFETY

No notable safety issues

2. COMPLIANCE, FLOWS AND LOADINGS

2.1 COMPLIANCE

The finished water quality was within regulatory limits and all Bacteriological testing was completed for the month of February. 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 were 38.662 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 (MGD).
Max.	7.40	17.3	4.89	.312	-	400	308	1.575
Min.	7.30	12.8	.33	.042	-	350	250	1.125
Avg.	7.39	13.8	.77	.181	-	373	294	1.381
Total	-	-	-	-	-	-	-	38.662

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 34.354 MG during the month with a daily average of 1.227 MG and a min/max 991/ 1.432 MG.

Table 2.3 Finished Water Quality

	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	.19	3.90	7.9		0.01	0.310	.99	440	310	2.37
Min.	0.05	2.24	7.6		0.0	0.006	0.60	140	204	1.72
Avg.	0.10	3.22	7.8		0.01	0.058	0.75	238	287	2.06
MCL	-	-	-	-	1.00	-	4.00	-	-	-
SMCL	-	-	-	-	0.30	0.050	2.00	-	-	-

Finished Water Flow Comparison for FY 2024

Time Period	2024-25	2023-24	2022-23
Mar 2024-Feb 2025	413,883,904	417,766,224	416,843,374
Increase for the same period last year		-3.88 MG	.922 MG

FINISHED WATER PUMPING HISTORY

	2024-25	2023 -24	2022-23	2021-22	2020-21	2019-20
Mar	31,222,925	36,781,261	33,909,417	33,633,244	30,339,298	31,237,000
Apr	31,707,537	36,832,617	31,991,050	33,214,211	31,542,650	28,418,249
May	36,629,959	43,484,155	37,459,417	35,932,776	34,673,848	33,045,927
June	40,285,085	22,455,176	38,496,145	37,616,256	17,414,377	33,460,303
July	38,944,142	41,565,811	38,861,790	39,001,640	44,237,066	23,742,374
Aug	38,576,284	39,770,720	36,977,913	39,953,900	39,638,063	25,018,633
Sept	37,258,390	38,677,420	32,355,302	38,935,839	38,674,095	34,234,782
Oct	34,907,003	32,733,224	29,576,287	34,918,955	34,597,739	30,769,238
Nov	28,768,567	30,061,570	35,563,717	31,181,005	32,325,040	30,877,400
Dec	32,675,158	31,818,986	30,450,255	31,391,459	31,582,311	29,703,954
Jan	33,741,476	33,807,516	37,721,005	32,322,270	31,456,987	30,073,516
Feb	29,167,378	29,777,768	33,481,076	32,451,653	30,638,842	28,797,693
	---	---	---	---	---	---
Totals	413,883,904	417,766,224	416,843,374	450,553,208	397,120,316	359,379,069
Avg	1.13 MGD	1.15 MGD	1.14 MGD	1.15 MGD	1.09 MGD	.985 MGD

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)**
Feb 25th, 2025						
Minimum	.15	.9	199.1	.05	7.6	<4
Maximum	.15	.9	199.1	.05	7.6	<4
Average	.15	.9	199.1	.05	7.6	<4
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, performed by the Springfield Metropolitan Sanitary District, was below 30,000 mg/l for the month of February 2025. The limit for chloride discharge to the sanitary district is 30,000 mg/L.

3. OPERATIONS

3.1 EVENTS IMPACTING OPERATIONS

There were over 50 incident that impacted the operation of the plant.

Ion exchange alarm

Power surge

Power Sag

Well check valves

Permanganate Pumps

Ion Exchange Troubleshooting

Backwash Low Flow Alarms

Well #9

3.2 EMERGENCY & SERVICE CALLS

Service Calls:

- There was 0 emergency call out for the month.

3.3 EMERGENCY CALL-OUTS

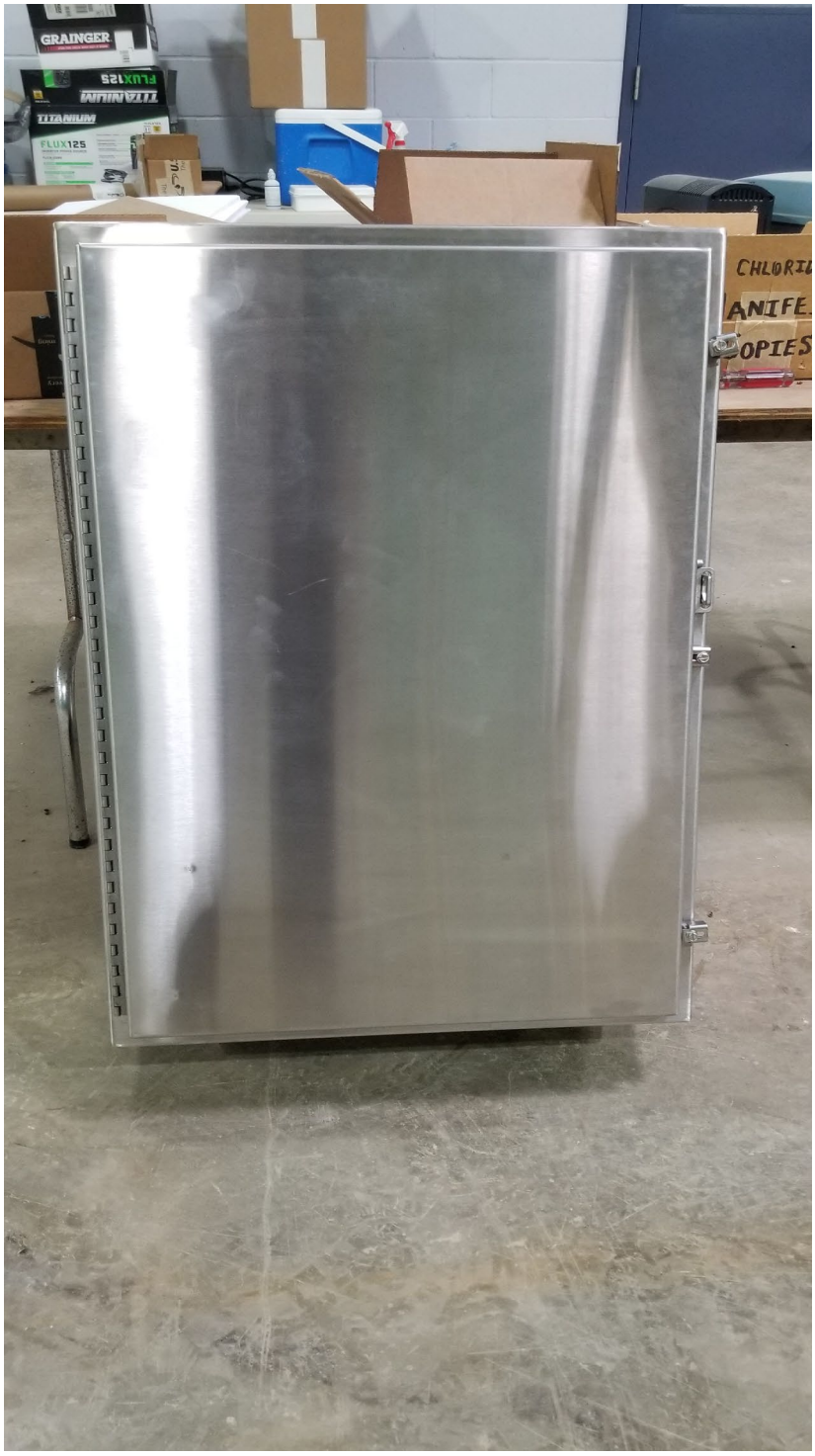
There was 0 emergency call out for the month.

3.4 CUSTOMER INQUIRIE

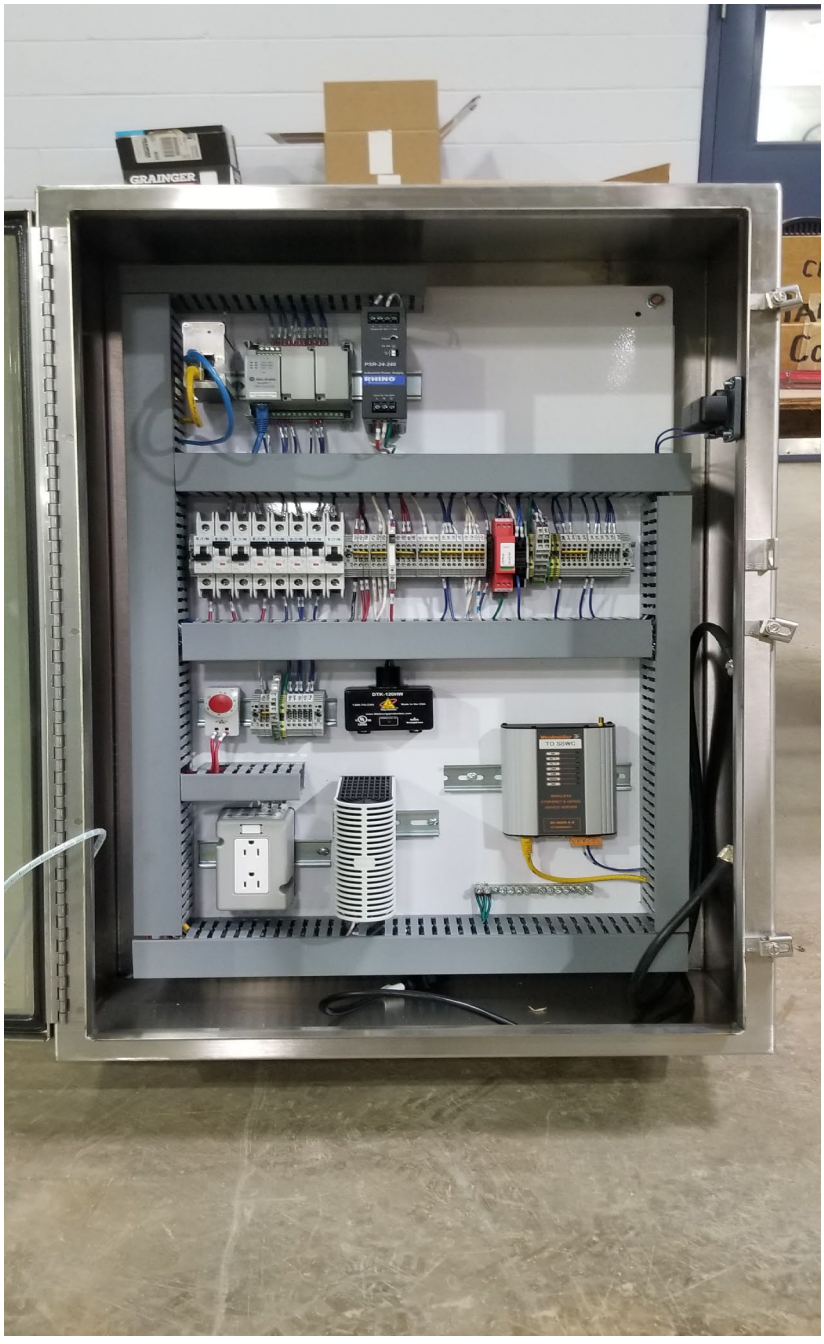
There were numerous customer inquiries.

OTHER WORK PERFORMED

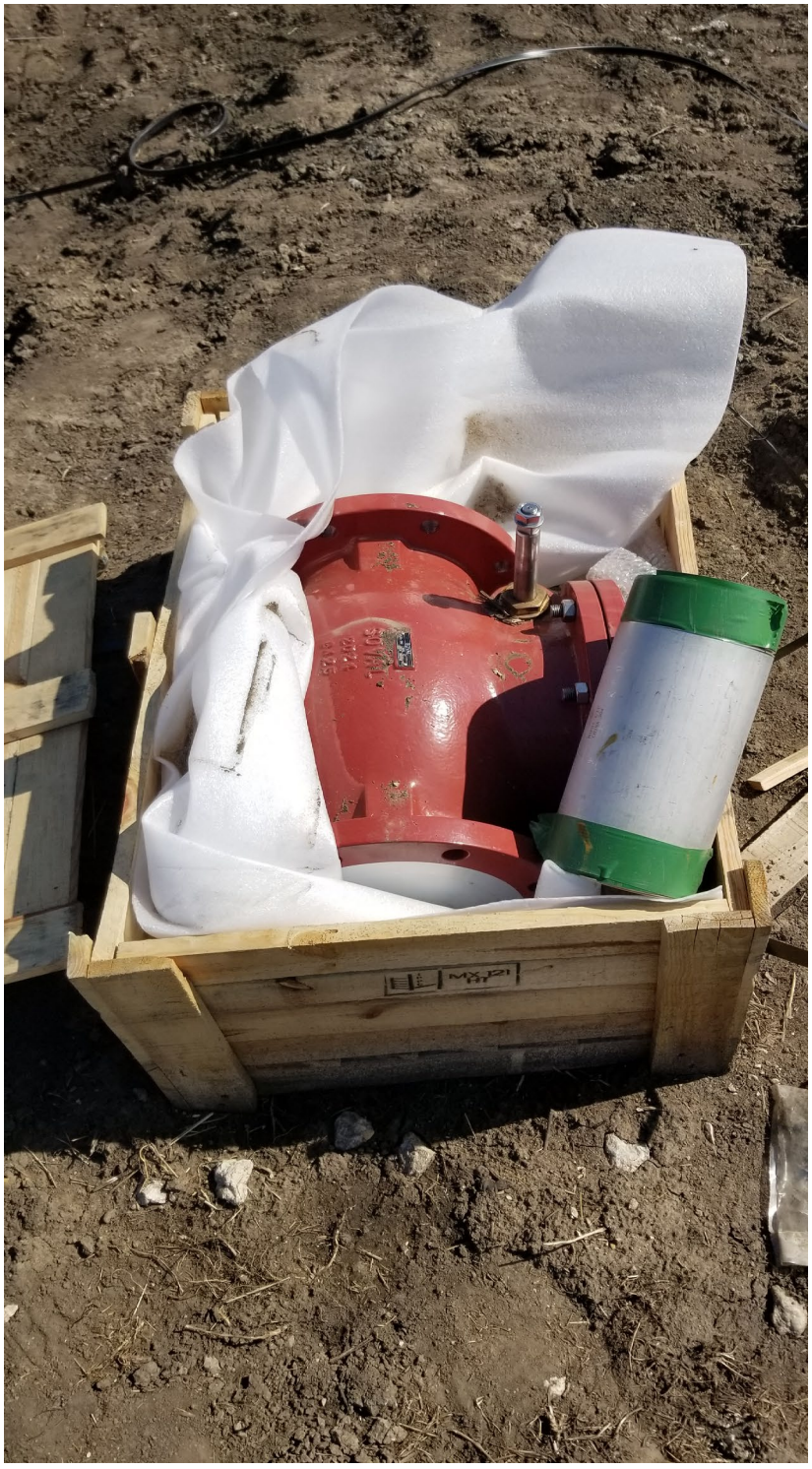
Inspected distribution mains
Inspected booster station
Customer service
SCADA programming
Well #11 construction



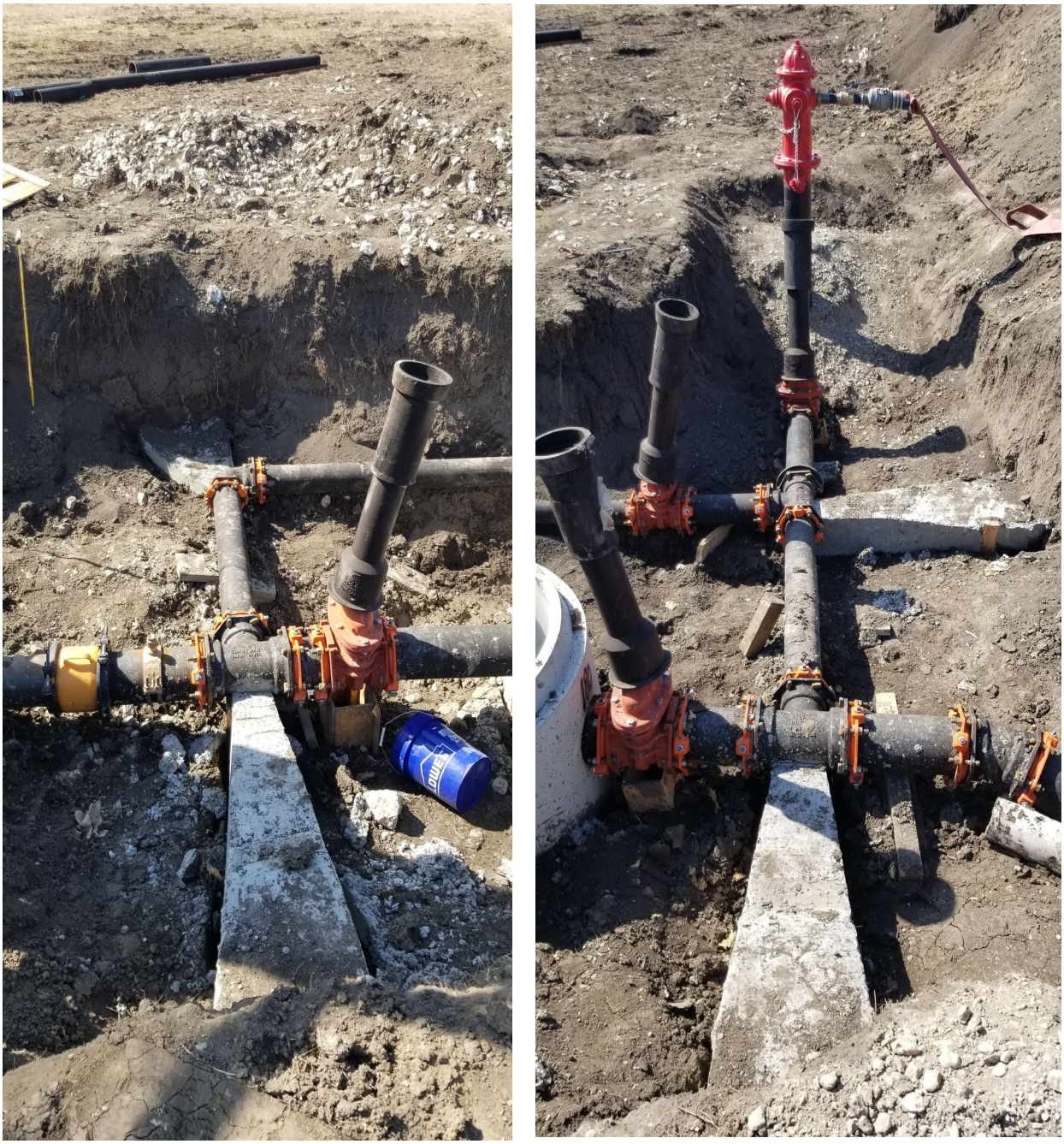
Dan from scadaWARE dropped the control panel for well #11 at the plant



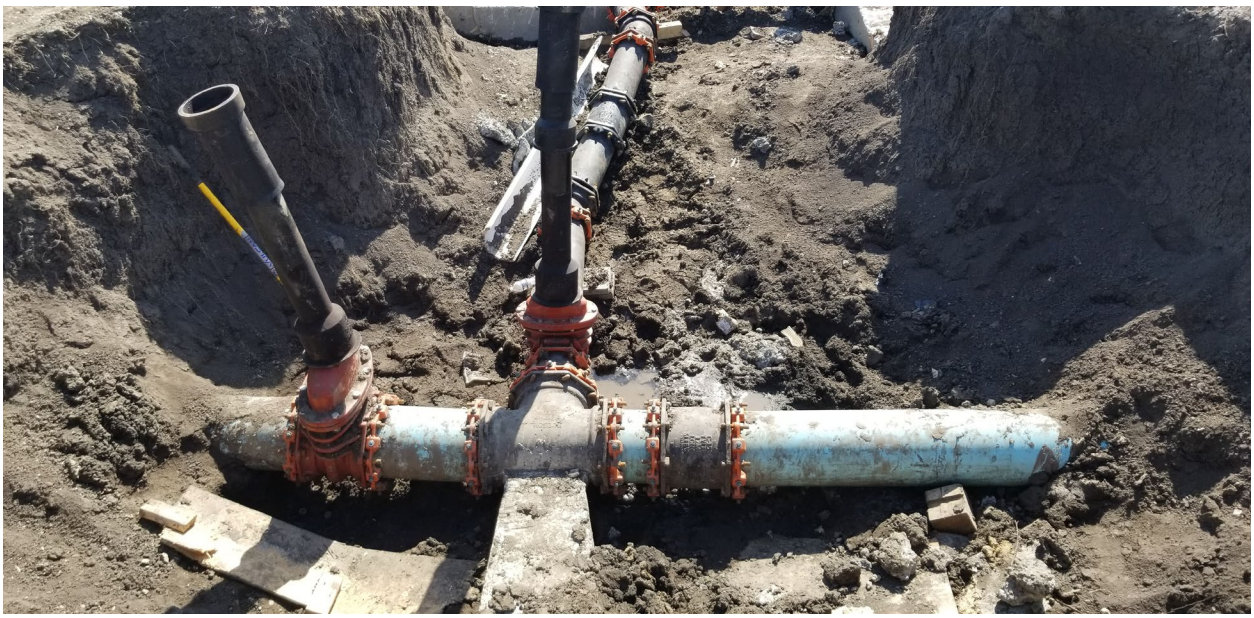
Control system for well #11

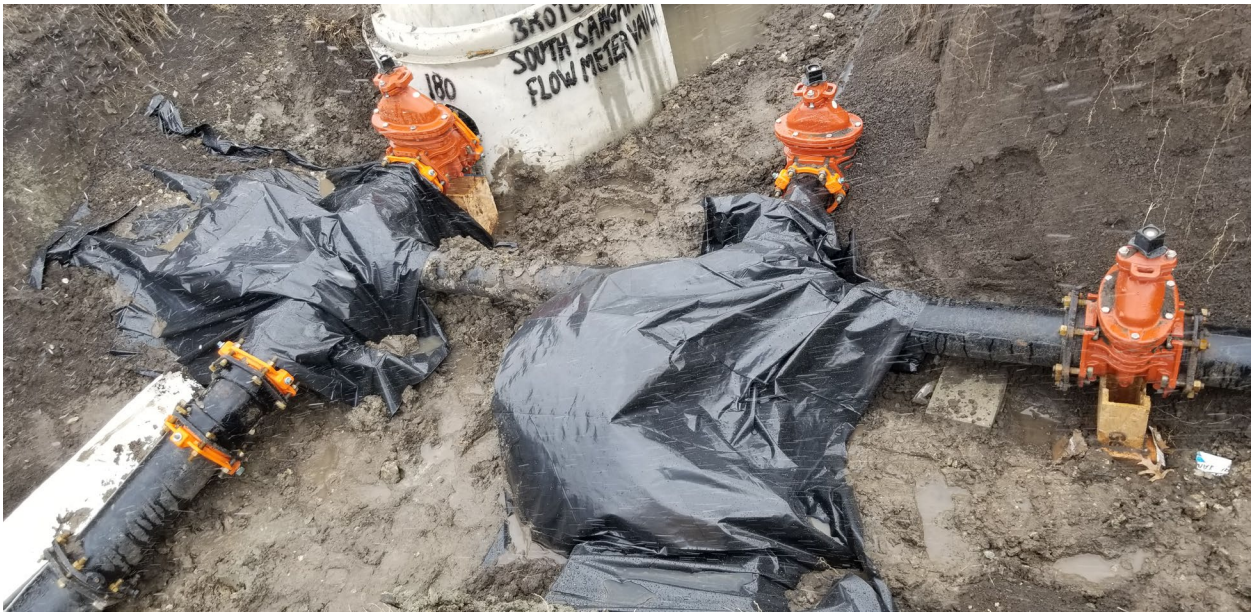


The check valve for well #11 has arrived



Brotke poured thrust blocks for the well #11 raw water distribution lines




180
FLOW METER

4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of February 2025, there were 28 inspections, 3 preventative and multiple corrective maintenance activities completed.

4.2 CORRECTIVE REPAIR AND MAINTENANCE

Pulling and cleaning pre filters on all 3 filter trains on weekly basis

CIP train 1,2 and 3

Purged air control system

Raw water line flushing

Detention tank flush

Flushing Air Lines

Maintenance of New Berlin Booster Station

Air compressor Maintenance

Pneumatic Tank Maintenance

Well Maintenance

5. PROJECT MANAGEMENT & SUPPORT

5.1 STAFFING & TRAINING

- Staff member training has been continuous and ongoing.
- Operator and Asst. Operator have been studying for EPA licensing test.

5.2 OPERATIONAL SUPPORT

The following individuals, either on-site or remotely, provided assistance in operation and/or maintenance of the plant during the month of February 2025.

- Kevin Canham
- Stephen Bivin
- Katie Krall
- Dan (SCADAware)
- Joe Lee Electric
- Kevin Garmin (SCADAware)
- Brotke Well and Pump

5.3 BUDGET

Table 5.3 Operating Budget

Table 5.3 Budget Table

Budget Table was removed: see clerks report

6. CAPITAL PLANNING

6.1 APPROVED CIP PROJECTS CURRENT STATUS

Pigging project construction complete. Awaiting first pigging before completely releasing contractor.

The Chatham /South Sangamon emergency interconnect construction is complete. After many failed attempts; start has been completed.

Meter Project progressing, All meter bases and registers are on site. all cell meters have been installed.

The thrust blocks for well #11 have been poured. An initial pressure test has been performed. Clean up of the site has been started. Brotke has started on the Construction punchlist.

Joe Lee Electric and Dan from scadaWARE have been onsite site to inspect and plan their portion of the well #11 construction.

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.

1. Onsite fuel storage tanks have arrived on site and pumps have been installed-completed
2. BOP CPU upgrade-completed
3. Second raw water detention tank
4. SSWC/Chatham interconnect-completed
5. Well #11-underway
6. SCADA computer upgrade-90% complete
7. Well #12

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

South Sangamon Water Commission - IL1670080

February 2025

Physical and Chemical Tests | **Membrane Integrity**

	Raw						Pre UF Membrane				Post UF Membrane			Post IEX				Finished														Chlorine				Post Filter		
			Total	Total	Total	Total	Turbidity	Total	Total	Soluble	Total	Total	Turbidity	1	2	3	4		Turbidity	Total	Total	Total	Total	Fluoride	Ortho	Free	Mono-									
Date	pH	Temp	Alk.	Hard.	Fe	Mn		Fe	Mn	Mn	Fe	Mn		Chloride				pH		Alk.	Hard.	Fe	Mn	F	Phosphate	Ammonia	Chloramine	F	T	Distrbution						
		deg. C	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L		NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/l	mg/l	mg/l	mg/L	F	T	Bank 1	Bank 2	Bank 3
			as CaCO3																	as CaCO3										mg/l	mg/L	psi	psi	psi
1	7.30	14.3	300	370	0.48	0.172			0.301	0.030	0.01	0.051	0.22					7.60	0.25	300	370	0.01	0.030	0.87	1.96	0.01	3.17	0.12	3.42							
2	7.40	14.1	300	370	0.33	0.169			0.330	0.028	0.01	0.047	0.25					7.70	0.23	300	360	0.01	0.033	0.70	1.72	0.01	2.74	0.15	2.68							
3	7.40	14.1	300	365	0.71	0.042			0.315	0.035	0.01	0.058	0.24					7.60	0.26	300	360	0.01	0.045	0.72	2.18	0.01	2.07	0.11	3.14							
4	7.40	14.0	300	370	0.52	0.187			0.589	0.034	0.01	0.051	0.18					7.80	0.24	300	320	0.01	0.063	0.61	2.14	0.01	3.40	0.10	3.00							
5	7.40	14.0	300	360	0.53	0.153			0.291	0.029	0.01	0.051	0.23					7.70	0.28	310	440	0.01	0.053	0.72	2.22	0.01	2.92	0.10	2.82							
6	7.40	14.2	300	365	0.49	0.172			0.295	0.044	0.01	0.076	0.21					7.80	0.25	300	330	0.01	0.006	0.71	2.22	0.01	3.04	0.13	2.38							
7	7.39	17.3	290	380	0.48	0.161			0.304	0.047	0.02	0.036	0.40					7.82	0.40	280	240	0.00	0.050	0.66	2.35	0.00	2.26	0.12	2.24							
8	7.40	13.7	300	372	0.61	0.171			0.279	0.041	0.01	0.060	0.24					7.70	0.29	292	250	0.01	0.010	0.71	2.19	0.02	2.74	0.09	2.41							
9	7.40	13.8	294	370	0.55	0.164			0.284	0.049	0.01	0.069	0.22					7.60	0.27	284	220	.01	0.021	0.74	2.20	0.02	2.91	0.11	2.71							
10	7.40	12.9	270	364	0.47	0.172			0.340	0.041	0.01	0.041	0.25					7.80	0.31	294	440	0.01	0.038	0.83	2.11	0.02	2.71	0.17	2.38							
11	7.40	13.1	278	370	4.89	0.312			0.523	0.053	0.01	0.049	0.19					7.90	0.19	290	160	0.01	0.012	0.71	1.79	0.01	3.09	0.06	3.15							
12	7.40	13.0	272	372	1.56	0.225			0.327	0.057	0.01	0.050	0.15					7.90	0.13	310	140	0.01	0.014	0.77	2.12	0.02	3.04	0.19	3.32					pass	pass	pass
13	7.30	13.6	290	370	0.40	0.177			0.297	0.038	0.01	0.049	0.18					7.70	0.20	300	160	0.01	0.023	0.81	2.13	0.02	3.62	0.08	3.46							
14	7.40	13.4	290	360	0.67	0.185			0.291	0.058	0.01	0.069	0.20					7.80	0.22	300	140	0.01	0.031	0.71	2.07	0.02	3.02	0.09	3.80							
15	7.30	13.6	300	365	0.58	0.190			0.230	0.040	0.01	0.057	0.22					7.80	0.20	300	140	0.01	0.028	0.70	2.13	0.01	3.12	0.08	3.60							
16	7.40	13.4	300	370	0.47	0.198			0.245	0.044	0.01	0.060	0.25					7.80	0.18	300	160	0.01	0.028	0.68	2.01	0.01	3.02	0.09	3.12							
17	7.40	13.2	290	370	0.39	0.212			0.290	0.040	0.01	0.058	0.21					7.80	0.30	290	180	0.01	0.023	0.72	2.01	0.02	2.70	0.10	2.98							
18	7.40	13.8	250	350	0.34	0.144			0.274	0.023	0.01	0.038	0.18					7.80	0.22	240	210	0.01	0.035	0.99	2.14	0.01	3.49	0.11	3.68							
19	7.40	12.8	300	400	0.50	0.185			0.297	0.039	0.01	0.040	0.15					7.80	0.20	260	200	0.01	0.031	0.82	1.88	0.07	2.80	0.09	3.48							
20	7.40	13.1	300	370	1.18	0.171			0.353	0.056	0.01	0.596	0.16					7.80	0.18	290	200	0.01	0.035	0.74	1.83	0.02	3.58	0.09	3.62							
21	7.40	13.1	300	370	0.69	0.235			0.339	0.103	0.01	0.092	0.20					7.80	0.18	260	220	0.01	0.280	0.84	1.93	0.11	3.07	0.07	3.66							
22	7.40	13.7	294	364	0.88	0.191			0.314	0.061	0.01	0.141	0.19					7.80	0.19	272	260	0.01	0.300	0.72	1.84	0.09	3.24	0.05	3.51							
23	7.40	12.9	308	374	0.77	0.181			0.299	0.041	0.01	0.094	0.18					7.70	0.20	204	220	0.01	0.310	0.82	1.81	0.07	2.99	0.05	3.68							
24	7.40	14.2	300	380	0.43	0.168			0.317	0.034	0.01	0.046	0.19					7.80	0.18	300	220	0.01	0.026	0.80	2.28	0.03	3.60	0.10	3.70							
25	7.40	13.9	300	400	0.79	0.172			0.307	0.067	0.01	0.062	0.20					7.80	0.22	300	200	0.01	0.028	0.60	2.18	0.01	3.32	0.12	3.68					pass	pass	pass
26	7.40	14.5	300	400	0.55	0.183			0.311	0.042	0.01	0.072	0.21					7.80	0.25	300	200	0.01	0.026	0.84	1.96	0.01	3.53	0.11	3.36							
27	7.40	13.8	292	374	0.61	0.206			0.341	0.072	0.01	0.081	0.19					7.90	0.22	284	180	0.01	0.022	0.77	1.91	0.02	3.44	0.09	3.40							
28	7.40	14.4	300	400	0.70	0.176			0.302	0.050	0.01	0.053	0.20					7.90	0.24	280	140	0.01	0.023	0.82	2.37	0.01	3.82	0.14	3.90							
29																																				
30																																				
31																																				
Ave.	7.39	13.8	294	373	0.77	0.181	#DIV/0!	#DIV/0!	0.321	0.046	0.01	0.080	0.21	#####	#####	#####	#####	7.78	0.23	287	238	0.01	0.058	0.75	2.06	0.02	3.09	0.10	3.22	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Max	7.40	17.3	308	400	4.89	0.312	0.00	0.00	0.589	0.103	0.02	0.596	0.40	0	0	0	0	7.90	0.40	310	440	0.01	0.310	0.99	2.37	0.11	3.82	0.19	3.90	0.00	0.00	0.00	0.00	0.00
Min	7.30	12.8	250	350	0.33	0.042	0.00	0.00	0.230	0.023	0.01	0.036	0.15	0	0	0	0	7.60	0.13	204	140	0.00	0.006	0.60	1.72	0.00	2.07	0.05	2.24	0.00	0.00	0.00	0.00	0.00

Lagoon Effluent Tests		pH	Temp	T Chlor	Mn	Fe	Chloiride	TSS
Monthly			°C	mg/l	mg/l	mg/l	mg/L	mg/L
Date	2/25/2025	7.6	15	0.05	0.9	0.15	199.1	<4

Distribution Stability Tests		pH	Temp	TDS	Alkalinity	Calcium	Chloiride	Sulfate
Every Two Weeks			°C	mg/L	mg/L as CaCO3		mg/L	mg/L
Date	2/25/2025	7.82	17.8	460	290		55	56
Date								
Date								

Remarks:

South Sangamon Water Commission

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY — **MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPORT**

DIVISION OF PUBLIC WATER SUPPLIES

South Sangamon Water Commission - IL 1670080

February 2025

		Pumping Totals						Chemicals Applied														UF Filters					Softeners							
								Sodium Permanganate		Sodium Bisulfite BW		Sodium Hypochlorite		Ammonium Sulfate		Fluorosilicic Acid		Phosphate		Sodium Bisulfite Pond		Hours since previous backwash				Wash	Water	Water	Each day indicate total number of				Regeneration	
	Time	Hours	Raw Well	UF	Plant	HS	Lagoon	Am't		Am't		Am't		Am't		Am't		Am't		Am't						Water	Softened	Bypassed	hours since previous regeneration.				Salt	Washed
Date	Meter	Filter	Prod.	Filtered	Water	Pumpage	Pumpage	Used	Calc	Used	Calc	Used	Calc	Used	Calc	Used	Calc	Used	Calc	Used	Calc					Gal.	Gal.	Gal	If regeneration at mid-day, indicate				Used	Water
	Read	Ran	(Mgal)	(Mgal)	(Mgal)	(Mgal)	(Mgal)	lbs.	mg/l as NaMnO4	lbs.	mg/l	lbs.	mg/l as Cl	lbs.	mg/l as NH3	lbs.	mg/l as F	lbs.	mg/l as PO4	lbs.	mg/l	Bank # 1	2	3		(Mgal)	(Mgal)	(Mgal)	hours previous/hours following. 1	2	3	4	lbs.	Gal.
1	7:00	19.0	1.416	1.280	0.000	1.213	0.055	17	0.29	0	0.00	266	3.11	5	0.09	22	0.41	5	0.16	0	0.00	0.66	0.66	0.66		0.055	0.000	1.280					0	0
2	7:00	16.1	1.162	1.042	0.000	1.052	0.038	23	0.47	0	0.00	376	5.41	14	0.32	33	0.71	6	0.23	0	0.00	0.66	0.66	0.66		0.038	0.000	1.042					0	0
3	7:00	15.5	1.172	1.036	0.000	0.974	0.038	24	0.49	0	0.00	441	6.38	11	0.25	40	0.94	9	0.37	0	0.00	0.66	0.66	0.66		0.038	0.000	1.036					0	0
4	7:00	20.8	1.575	1.432	0.000	1.322	0.071	21	0.32	0	0.00	334	3.50	8	0.13	29	0.50	8	0.24	0	0.00	0.66	0.66	0.66		0.057	0.936	0.496		140.0	160.0	123.0	6843	32550
5	7:00	21.0	1.540	1.333	0.000	1.254	0.065	22	0.34	0	0.00	276	3.10	11	0.20	32	0.58	9	0.28	0	0.00	0.66	0.66	0.66		0.046	0.871	0.462	147.0	34.0	23.0	29.0	9124	43400
6	7:00	19.5	1.470	1.306	0.000	1.139	0.052	20	0.33	0	0.00	304	3.49	8	0.15	26	0.52	8	0.28	0	0.00	0.66	0.66	0.66		0.052	0.854	0.452					0	0
7	7:00	15.4	1.148	1.027	0.000	0.970	0.060	21	0.44	0	0.00	332	4.85	13	0.30	29	0.68	10	0.41	0	0.00	0.66	0.66	0.66		0.041	0.671	0.356	42.0	31.0	29.0	32.0	9124	43400
8	7:00	20.8	1.558	1.401	0.002	1.256	0.069	22	0.34	0	0.00	372	3.98	10	0.17	32	0.58	13	0.41	0	0.00	0.66	0.66	0.66		0.055	0.916	0.485	30.0	32.0		30.0	6843	32550
9	7:00	19.1	1.432	1.233	0.001	1.107	0.056	21	0.35	0	0.00	390	4.74	11	0.21	31	0.64	44	1.57	0	0.00	0.66	0.66	0.66		0.042	0.806	0.427		31.0	29.0	31.0	6843	32550
10	7:00	17.0	1.252	1.131	0.004	1.065	0.063	18	0.34	0	0.00	320	4.24	9	0.19	28	0.60	69	2.56	0	0.00	0.66	0.66	0.66		0.049	0.739	0.392	47.0		31.0	28.0	6843	32550
11	7:00	20.7	1.549	1.388	0.007	1.245	0.069	24	0.37	0	0.00	368	3.97	16	0.28	34	0.62	74	2.35	0	0.00	0.66	0.66	0.66		0.055	0.907	0.481	32.0	35.0	32.0		6843	32550
12	7:00	19.9	1.506	1.356	0.008	1.202	0.051	20	0.32	0	0.00	316	3.49	13	0.23	29	0.55	64	2.11	0	0.00	0.66	0.66	0.66		0.046	0.886	0.470		32.0			2281	10850
13	7:00	18.2	1.352	1.185	0.007	1.136	0.068	20	0.35	0	0.00	328	4.15	19	0.38	32	0.64	34	1.18	0	0.00	0.66	0.66	0.66		0.054	0.775	0.410	42.0		32.0	58.0	6843	32550
14	7:00	18.6	1.350	1.166	0.006	1.169	0.058	18	0.32	0	0.00	272	3.50	17	0.35	26	0.51	13	0.44	0	0.00	0.66	0.66	0.66		0.044	0.762	0.404		37.0	39.0	27.0	6843	32550
15	7:00	16.0	1.197	1.057	0.009	1.004	0.055	23	0.46	0	0.00	380	5.39	20	0.45	37	0.84	8	0.32	0	0.00	0.66	0.66	0.66		0.045	0.691	0.366	35.0			27.0	4562	21700
16	7:00	18.2	1.388	1.265	0.003	1.073	0.053	19	0.33	0	0.00	310	3.67	19	0.36	28	0.59	7	0.26	0	0.00	0.66	0.66	0.66		0.043	0.827	0.438	38.0		33.0		4562	21700
17	7:00	19.5	1.402	1.239	0.007	1.273	0.064	22	0.38	0	0.00	384	4.65	28	0.54	40	0.72	11	0.34	0	0.00	0.66	0.66	0.66		0.054	0.810	0.429			37.0	31.0	4562	21700
18	7:00	19.8	1.501	1.309	0.005	1.205	0.060	15	0.24	0	0.00	236	2.70	14	0.26	21	0.40	7	0.23	0	0.00	0.66	0.66	0.66		0.046	0.856	0.453	33.0	99.0		33.0	6843	32550
19	7:00	17.0	1.239	1.133	0.007	1.002	0.064	21	0.41	0	0.00	362	4.79	24	0.51	34	0.77	11	0.43	0	0.00	0.66	0.66	0.66		0.050	0.741	0.392	36.0		41.0	30.0	6843	32550
20	7:00	20.9	1.513	1.354	0.006	1.244	0.054	22	0.35	0	0.00	308	3.41	22	0.39	31	0.57	9	0.29	0	0.00	0.66	0.66	0.66		0.049	0.885	0.469		52.0			2281	10850
21	7:00	19.3	1.387	1.228	0.006	1.135	0.064	22	0.38	0	0.00	316	3.86	18	0.35	28	0.56	22	0.77	0	0.00	0.66	0.66	0.66		0.054	0.803	0.425	40.0			32.0	4562	21700
22	7:00	19.1	1.405	1.222	0.003	1.144	0.076	22	0.38	0	0.00	348	4.27	20	0.39	32	0.64	72	2.49	0	0.00	0.66	0.66	0.66		0.057	0.799	0.423	41.0	46.0	69.0	32.0	9124	43400
23	7:00	16.4	1.213	1.096	0.008	1.049	0.049	20	0.40	0	0.00	284	3.88	16	0.35	28	0.61	68	2.56	0	0.00	0.66	0.66	0.66		0.039	0.716	0.380			40.0	32.0	4562	21700
24	7:00	20.2	1.499	1.356	0.006	1.263	0.064	25	0.40	0	0.00	390	4.31	19	0.34	38	0.69	91	2.85	0	0.00	0.66	0.66	0.66		0.054	0.886	0.470	35.0	47.0			4562	21700
25	7:00	19.6	1.494	1.283	0.007	1.217	0.063	22	0.35	0	0.00	278	3.25	15	0.28	30	0.56	11	0.36	0	0.00	0.66	0.66	0.66		0.049	0.839	0.444		27.0	36.0	35.0	6843	32550
26	7:00	18.9	1.387	1.260	0.006	1.154	0.060	22	0.38	0	0.00	370	4.40	15	0.29	31	0.61	7	0.24	0	0.00	0.66	0.66	0.66		0.050	0.824	0.436	40.0		34.0		4562	21700
27	7:00	20.1	1.430	1.245	0.010	1.230	0.053	19	0.32	0	0.00	298	3.59	13	0.25	27	0.50	6	0.19	0	0.00	0.66	0.66	0.66		0.043	0.814	0.431	33.0	29.0			4562	21700
28	7:00	15.3	1.125	0.991	0.005	0.905	0.062	22	0.47	0	0.00	352	5.32	18	0.44	35	0.88	8	0.35	0	0.00	0.66	0.66	0.66		0.043	0.648	0.343	33.0	34.0	47.0	67.0	9124	43400
29									#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	0.66	0.66	0.66				0.000						
30									#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	0.66	0.66	0.66				0.000						
31									#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	0.66	0.66	0.66				0.000						
Total		521.9	38.662	34.354	0.123	32.002	1.655	587	#DIV/0!	0	#DIV/0!	9311	#DIV/0!	426	#DIV/0!	863	#DIV/0!	704	#DIV/0!	0	#DIV/0!					1.348	20.259	14.095	704	706	712	677	145984	694400
Ave.		18.6	1.381	1.227	0.004	1.143	0.059	21.0	#DIV/0!	0	#DIV/0!	333	#DIV/0!	15	#DIV/0!	30.8	#DIV/0!	25.1	#DIV/0!	0.0	#DIV/0!	0.66	0.66	0.66	#DIV/0!	0.048	0.724	0.455	44.0	47.1	44.5	39.8	5213.71	24800
Max		21.0	1.575	1.432	0.010	1.322	0.076	25.0	#DIV/0!	0	#DIV/0!	441	#DIV/0!	28	#DIV/0!	40	#DIV/0!	91	#DIV/0!	0	#DIV/0!	0.66	0.66	0.66	0	0.057	0.936	1.280	147.0	140.0	160.0	123.0	9,124	43,400
Min		15.3	1.125	0.991	0.000	0.905	0.038	15.0	#DIV/0!	0	#DIV/0!	236	#DIV/0!	5	#DIV/0!	21	#DIV/0!	5	#DIV/0!	0	#DIV/0!	0.66	0.66	0.66	0	0.038	0.000	0.000	30.0	27.0	23.0	27.0	0	0

1	20	% Sodium Permanganate	Post-aerator	**CHLORINATION**		**FLUORIDATION**	
2	40	% BisulfiteSolution	Membrane Backwash				
3	12.5	% Sodium Hypochlorite Solution	Post Softener	Type of Chlorine Used	Sodium Hypochlorite 12.5 %	Type of Fluoride Used	Hydrofluosilicic Acid 19% F
4	20	% Ammonium Sulfate Solution	Post Clearwell				
5	19	% Fluorosilicic Acid Solution	Post Clearwell	Chlorine Analyzers Used: Hach CL17 (2) & 5500sc		Fluoride Analyzer Used: Hach 2200, SPADNS method	
6	33	% Phosphate Solution	Post Clearwell				
7	40	% BisulfiteSolution	Lagoon Effluent				

I certify that the information in this report is complete and accurate to the best of myknowledge.

Reported by: _____ Illinois Operator Certification ID 253419999

Date: 3/11/2025

Date Bacterials Se 2/24/2025

February 2025 Monthly Operating Report