Monthly Operating Report

October:2025

So. Sangamon Water Commission

November 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 October 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 October 2025, the plant pumped 48.937 million gallons from the well field and 40.1 million gallons of finished water. This is 3.185 million gallons more than October 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 October 2025, there were 31 inspections, 3 preventative and multiple corrective maintenance activity completed. There were 3 repair activities performed.

Budget. Passed at March 17th 2025 meeting.

Capital Planning.

Detention Tank

Well #12

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 October 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 October. 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 48.937 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.	7.4	16.3	1.34	.327	-	400	300	1.881
Min.	7.2	14.5	.36	.220	-	280	280	0.693
Avg.	7.31	15.3	.64	.279	-	374	289	1.579
Total	-	-	-	-	-	-	-	48.937

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 43.473 MG during the month with a daily average of 1.402 MG and a min/max 1.141/1.645 MG.

Table 2.3 Finished Water Quality

	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	0.16	4.60	7.8		0.01	0.047	0.91	300	320	2.49
Min.	0.04	2.08	7.5		0.01	0.011	0.41	110	240	2.01
Avg.	0.10	2.93	7.68		0.01	0.026	0.74	177	286	2.20
MCL	-	-	-	-	1.00	-	4.00	-	-	-
SMCL	-	-	-	-	0.30	0.050	2.00	-	-	-

Finished Water Flow Comparison for FY 2025

Time Period	2024-25	2023-24	2022-23
Nov 2024-Oct 2025	412,145,583	414,997,165	429,516,437
Increase for the same period last year		-2.85 MG	-14.5 MG

FINISHED WATER PUMPING HISTORY

	2024-25	2023 -24	2022-23	2021-22	2020-21	2019-20
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
Mar	31,913,792	31,222,925	36,781,261	33,909,417	33,633,244	30,339,298
Apr	31,328,823	31,707,537	36,832,617	31,991,050	33,214,211	31,542,650
May	36,216,393	36,629,959	43,484,155	37,459,417	35,932,776	34,673,848
June	36,297,369	40,285,085	22,455,176	38,496,145	37,616,256	17,414,377
July	33,897,659	38,944,142	41,565,811	38,861,790	39,001,640	44,237,066
Aug	43,119,702	38,576,284	39,770,720	36,977,913	39,953,900	39,638,063
Sept	37,181,554	37,258,390	38,677,420	32,355,302	38,935,839	38,674,095
Oct	37,837,812	34,907,003	32,733,224	29,576,287	34,918,955	34,597,739
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Totals	412.145.583	414,997,165	429,516,437	406,973,708	419,210,001	390,569,699
Avg	1.13 MGD	1.14 MGD	1.18 MGD	1.11 MGD	1.15 MGD	1.07 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)**
October 8th, 2025						
Minimum	.16	.274	760	.0.02	7.5	<4
Maximum	.16	.274	760	.0.02	7.5	<4
Average	.16	.274	760	.0.02	7.5	<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 October 2025. The limit for chloride discharge to the sanitary district is 30,000 mg/L. SSWC had a Chloride excursion in the month of October. SSWC has received a notice of violation for our discharge limits. Negotiations with the EPA to change our discharge limit for Chloride are underway.

3. OPERATIONS

3.1 EVENTS IMPACTING OPERATIONS

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

Power surge

Power Sag

Ion Exchange Troubleshooting

Comm Loss Alarms

Well #8

BOP Communications with HMI

HSP VFD Install

Comm Card Failure

3.2 EMERGENCY & SERVICE CALLS

Service Calls:

- There was 0 emergency call outs 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
SCADA programming
Softener Repairs
Filter Train Repair
Lightning Strike Repair
Insurance Claim
Well #8 cleaning and repair

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The IlDNR came out for a CREP survey and noticed agricultural encroachment on SSWC land. I survey was performed for the well # 11 construction. MECOs survey crew came back out and reset survey marks.

Well meters were ordered to repair damage done from lightning strike. The wrong size meters were shipped the first time.

The new 6” meters have arrived and installation has been scheduled

Well 8s VFD was damaged from the lightning strike. After its replacement it was found the motor was damaged as well. The pump and motor were replaced and a cleaning was performed at the same time.

4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of October 2025, there were 31 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

Well #8 repair and cleaning

Brine Solution Sampling

HSP #3 VFD Install

BOP Repair

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 October 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. First pig was scheduled. Issues were discovered. First pig was attempted but was not able to be performed.

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.

Operating permit for well #11 was denied and resubmitted with requested materials.

SCADAware has completed the radio comms for well #11. Unable to test until we receive the operating permit.

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-construction complete
6. SCADA computer upgrade are complete
7. Well #12

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

October 2025

		Pumping Totals						Chemicals Applied														UF Filters					Softeners							
			Raw				Lagoon	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	Well	UF	Plant	HS	Effluent	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	Bank# 2	Bank# 3		(Mgal)	(Mgal)	(Mgal)	hours previous/hours following. 1	2	3	4	lbs.	Gal.
1	7:00	21.7	1.878	1.645	0.009	1.518	0.095	63	0.80	0	0.00	548	4.99	3	0.04	45	0.68	9	0.23	0	0.00	0.66	0.66	0.66		0.076	1.075	0.570	60.0	74.0	51.0	40.0	9124	43400
2	7:00	19.9	1.656	1.468	0.012	1.332	0.072	54	0.78	0	0.00	488	4.98	4	0.07	36	0.62	12	0.36	0	0.00	0.66	0.66	0.66		0.058	0.959	0.509	34.0		28.0	20.0	6843	32550
3	7:00	17.8	1.489	1.319	0.013	1.212	0.080	53	0.85	0	0.00	482	5.48	7	0.13	38	0.71	13	0.42	0	0.00	0.66	0.66	0.66		0.066	0.862	0.457		37.0	24.0	24.0	6843	32550
4	7:00	21.5	1.830	1.615	0.009	1.481	0.083	59	0.77	0	0.00	564	5.23	3	0.04	42	0.65	16	0.43	0	0.00	0.66	0.66	0.66		0.064	1.056	0.559	28.0	35.0	24.0	24.0	9124	43400
5	7:00	22.0	1.846	1.606	0.009	1.567	0.088	53	0.69	0	0.00	510	4.76	2	0.03	39	0.57	18	0.45	0	0.00	0.66	0.66	0.66		0.074	1.050	0.556	31.0		25.0	24.0	6843	32550
6	7:00	20.7	1.740	1.512	0.011	1.423	0.088	46	0.63	0	0.00	458	4.54	6	0.10	37	0.59	21	0.58	0	0.00	0.66	0.66	0.66		0.069	0.988	0.524	31.0	36.0	24.0	25.0	9124	43400
7	7:00	21.8	1.793	1.556	0.018	1.431	0.086	32	0.43	0	0.00	578	5.57	7	0.11	44	0.70	75	2.07	0	0.00	0.66	0.66	0.66		0.072	1.017	0.539	30.0		24.0	25.0	6843	32550
8	7:00	20.5	1.706	1.534	0.010	1.454	0.073	49	0.69	0	0.00	366	3.58	4	0.06	28	0.44	68	1.85	0	0.00	0.66	0.66	0.66		0.059	1.003	0.531		40.0	28.0	29.0	6843	32550
9	7:00	19.9	1.620	1.400	0.006	1.355	0.080	63	0.93	0	0.00	488	5.22	0	0.00	39	0.66	5	0.15	0	0.00	0.66	0.66	0.66		0.066	0.915	0.485	34.0	39.0		28.0	6843	32550
10	7:00	19.2	1.551	1.369	0.010	1.204	0.063	51	0.79	0	0.00	400	4.38	2	0.04	31	0.59	11	0.36	0	0.00	0.66	0.66	0.66		0.058	0.895	0.474			28.0		2281	10850
11	7:00	20.4	1.616	1.412	0.005	1.404	0.077	57	0.85	0	0.00	466	4.95	3	0.05	35	0.57	11	0.31	0	0.00	0.66	0.66	0.66		0.063	0.923	0.489	38.0	43.0		43.0	6843	32550
12	7:00	20.1	1.704	1.501	0.003	1.378	0.090	56	0.79	0	0.00	472	4.71	3	0.05	36	0.60	22	0.63	0	0.00	0.66	0.66	0.66		0.076	0.981	0.520	43.0		56.0	36.0	6843	32550
13	7:00	19.1	1.615	1.449	0.010	1.281	0.076	82	1.22	0	0.00	542	5.61	4	0.07	41	0.73	13	0.40	0	0.00	0.66	0.66	0.66		0.062	0.947	0.502		40.0	38.0	14.0	6843	32550
14	7:00	22.0	1.881	1.641	0.011	1.550	0.093	63	0.80	0	0.00	554	5.06	10	0.15	44	0.65	17	0.43	0	0.00	0.66	0.66	0.66		0.079	1.073	0.568	34.0	41.0		28.0	6843	32550
15	7:00	19.2	1.644	1.433	0.010	1.289	0.089	49	0.71	0	0.00	440	4.60	6	0.10	33	0.58	15	0.46	0	0.00	0.66	0.66	0.66		0.075	0.937	0.496	33.0		24.0	28.0	6843	32550
16	7:00	18.3	1.552	1.383	0.012	1.278	0.069	44	0.68	0	0.00	414	4.49	5	0.09	31	0.55	26	0.80	0	0.00	0.66	0.66	0.66		0.059	0.904	0.479		49.0	23.0		4562	21700
17	7:00	8.7	0.693	1.174	0.000	0.661	0.067	48	1.66	0	0.00	434	5.54	0	0.00	36	1.24	5	0.30	0	0.00	0.66	0.66	0.66		0.053	0.767	0.407	44.0		29.0	33.0	6843	32550
18	7:00	22.0	1.644	1.392	0.010	1.291	0.063	43	0.63	0	0.00	416	4.48	6	0.10	32	0.56	8	0.25	0	0.00	0.66	0.66	0.66		0.049	0.910	0.482		44.0	22.0	29.0	6843	32550
19	7:00	19.8	1.547	1.359	0.009	1.299	0.078	44	0.68	0	0.00	426	4.70	5	0.09	35	0.61	10	0.30	0	0.00	0.66	0.66	0.66		0.064	0.888	0.471	38.0		29.0	31.0	6843	32550
20	7:00	18.4	1.432	1.266	0.010	1.247	0.069	42	0.70	0	0.00	480	5.68	0	0.00	37	0.68	10	0.32	0	0.00	0.66	0.66	0.66		0.055	0.827	0.439	37.0	47.0	23.0		6843	32550
21	7:00	19.3	1.624	1.409	0.008	1.261	0.070	6	0.09	0	0.00	368	3.91	1	0.02	28	0.51	9	0.28	0	0.00	0.66	0.66	0.66		0.056	0.921	0.488	15.0		26.0	28.0	6843	32550
22	7:00	18.2	1.530	1.362	0.007	1.264	0.080	13	0.20	0	0.00	348	3.83	-2	-0.04	32	0.58	10	0.31	0	0.00	0.66	0.66	0.66		0.066	0.890	0.472	34.0	37.0		37.0	6843	32550
23	7:00	17.4	1.423	1.224	0.012	1.158	0.063	57	0.96	0	0.00	432	5.29	0	0.00	32	0.63	10	0.34	0	0.00	0.66	0.66	0.66		0.053	0.800	0.424			37.0	31.0	4562	21700
24	7:00	17.0	1.412	1.315	0.003	1.173	0.084	54	0.92	0	0.00	414	4.72	3	0.05	32	0.62	12	0.40	0	0.00	0.66	0.66	0.66		0.070	0.859	0.456	41.0	42.0	33.0		6843	32550
25	7:00	18.6	1.474	1.228	0.005	1.234	0.068	51	0.83	0	0.00	416	5.08	2	0.04	30	0.55	15	0.48	0	0.00	0.66	0.66	0.66		0.054	0.803	0.425	32.0		26.0	40.0	6843	32550
26	7:00	18.1	1.470	1.280	0.011	1.143	0.078	57	0.93	0	0.00	462	5.41	2	0.04	34	0.68	61	2.11	0	0.00	0.66	0.66	0.66		0.068	0.837	0.443		48.0	23.0		4562	21700
27	7:00	19.1	1.537	1.360	0.003	1.284	0.075	62	0.97	0	0.00	534	5.88	1	0.02	32	0.57	105	3.24	0	0.00	0.66	0.66	0.66		0.061	0.889	0.471	42.0		23.0	46.0	6843	32550
28	7:00	19.3	1.576	1.360	0.010	1.267	0.078	44	0.67	0	0.00	346	3.81	2	0.04	28	0.50	7	0.22	0	0.00	0.66	0.66	0.66		0.068	0.889	0.471		52.0	28.0		4562	21700
29	7:00	16.4	1.365	1.214	0.006	1.116	0.066	59	1.04	0	0.00	498	6.15	7	0.14	40	0.82	8	0.28	0	0.00	0.66	0.66	0.66		0.056	0.793	0.421	35.0			43.0	4562	21700
30	7:00	20.6	1.684	1.546	0.007	1.386	0.092	42	0.60	0	0.00	360	3.49	2	0.03	27	0.44	7	0.20	0	0.00	0.66	0.66	0.66		0.078	1.010	0.536	39.0	47.0		30.0	6843	32550
31	7:00	17.6	1.405	1.141	0.011	1.159	0.056	54	0.92	0	0.00	506	6.65	3	0.06	37	0.73	9	0.31	0	0.00	0.66	0.66	0.66		0.051	0.746	0.395			65.0		2281	10850
Total		594.6	48.937	43.473	0.270	40.100	2.395	1550	24.22	0	0	14210	152.77	101	1.70	1091	19.59	638	19.30	0	0.00					1.978	28.414	15.059	753	751	761	736	198447	943950
Ave.		19.2	1.579	1.402	0.009	1.294	0.077	50.0	0.78	0	0	458	4.93	3	0.05	35.2	0.63	20.6	0.62	0.0	0.00	0.66	0.66	0.66	#DIV/0!	0.064	0.917	0.486	35.9	44.2	30.4	30.7	6401.52	30450
Max		22.0	1.881	1.645	0.018	1.567	0.095	82.0	1.66	0	0	578	6.65	10	0.14614	45	1.24	105	3.24	0	0.00	0.66	0.66	0.66	0	0.079	1.075	0.570	60.0	74.0	65.0	46.0	9,124	43,400
Min		8.7	0.693	1.141	0.000	0.661	0.056	6.0	0.09	0	0	346	3.49	-2	-0.04	27	0.44	5	0.15	0	0.00	0.66	0.66	0.66	0	0.049	0.746	0.395	15.0	35.0	22.0	14.0	2281	10850

1	20	% Sodium Permanganate	Post-aerator
2	40	% BisulfiteSolution	Membrane Backwash
3	12.5	% Sodium Hypochlorite Solution	Post Softener
4	20	% Ammonium Sulfate Solution	Post Clearwell
5	19	% Fluorosilicic Acid Solution	Post Clearwell
6	33	% Phosphate Solution	Post Clearwell
7	40	% BisulfiteSolution	Lagoon Effluent

CHLORINATION

Type of Chlorine Used: Sodium Hypochlorite 12.5 %

Chlorine Analyzers Used: Hach CL17 (2) & 5500sc

FLUORIDATION

Type of Fluoride Used: Hydrofluosilicic Acid 19% F

Fluoride Analyzer Used: Hach 2200, SPADNS method

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

Reported by: _____ Illinois Operator Certification ID 253419999

Date: 11/14/2025

Date Bacterials Ser 10/28/2025

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

South Sangamon Water Commission - IL1670080

October 2025

Physical and Chemical Tests | **Membrane Integrity**

	Raw						Pre UF Membrane				Post UF Membrane			Post IEX				Finished														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-	Chlorine						
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	7.20	16.2	280	380	1.34	0.300			0.567	0.055	0.01	0.086	0.26					7.60	0.22	280	120	0.01	0.037	0.41	2.13	0.01	2.99	0.12	2.72					
2	7.20	16.2	280	390	1.09	0.311			0.558	0.063	0.01	0.090	0.27					7.60	0.20	280	120	0.01	0.035	0.58	2.15	0.01	2.80	0.10	2.92					
3	7.30	16.1	280	380	0.55	0.282			0.561	0.083	0.01	0.054	0.25					7.70	0.22	280	140	0.01	0.033	0.81	2.32	0.01	1.85	0.12	2.30					
4	7.20	16.1	280	390	0.50	0.280			0.566	0.080	0.01	0.050	0.25					7.70	0.24	280	150	0.01	0.035	0.70	2.22	0.01	1.98	0.10	2.55					
5	7.20	16.3	280	390	0.42	0.222			0.482	0.072	0.01	0.056	0.26					7.70	0.24	280	160	0.01	0.036	0.72	2.18	0.01	2.08	0.12	2.72					
6	7.40	15.1	300	300	1.12	0.276			0.639	0.029	0.01	0.057	0.11					7.50	0.23	320	260	0.01	0.047	0.79	2.49	0.01	2.81	0.08	3.31					
7	7.30	15.6	300	280	0.94	0.257			0.589	0.023	0.01	0.050	0.19					7.50	0.20	310	240	0.01	0.043	0.82	2.20	0.01	2.88	0.09	3.15					
8	7.30	15.6	280	300	0.65	0.280			0.601	0.095	0.01	0.093	0.15					7.70	0.25	280	240	0.01	0.026	0.62	2.28	0.01	3.13	0.10	4.60					
9	7.30	15.5	280	290	0.55	0.275			0.558	0.087	0.01	0.091	0.18					7.50	0.24	280	220	0.01	0.028	0.72	2.16	0.01	2.89	0.10	3.58					
10	7.30	15.1	280	390	0.96	0.274			0.578	0.053	0.01	0.091	0.18					7.70	0.30	280	180	0.01	0.011	0.75	2.43	0.01	0.43	0.13	2.58			pass	pass	pass
11	7.40	14.9	290	380	1.10	0.264			0.618	0.041	0.01	0.062	0.12					7.60	0.26	280	190	0.01	0.015	0.77	2.21	0.01	2.01	0.09	3.21					
12	7.40	15.0	300	370	0.94	0.280			0.578	0.071	0.01	0.077	0.18					7.60	0.23	280	190	0.01	0.016	0.77	2.29	0.01	2.48	0.15	2.83					
13	7.40	14.7	294	382	0.71	0.243			0.048	0.004	0.01	0.623	0.09					7.60	0.23	290	110	0.01	0.011	0.71	2.31	0.01	1.24	0.16	3.62					
14	7.20	15.9	300	390	0.74	0.283			0.346	0.049	0.01	0.057	0.16					7.70	0.24	280	120	0.01	0.017	0.70	2.24	0.01	3.19	0.12	2.76					
15	7.30	16.0	280	380	0.38	0.311			0.537	0.064	0.01	0.064	0.18					7.60	0.26	280	140	0.01	0.023	0.83	2.32	0.01	2.56	0.08	2.78					
16	7.30	15.6	300	380	0.43	0.288			0.551	0.057	0.01	0.047	0.16					7.80	0.28	300	160	0.01	0.016	0.91	2.25	0.05	2.99	0.04	3.36					
17	7.30	15.5	300	390	0.50	0.264			0.547	0.060	0.01	0.050	0.18					7.80	0.28	300	140	0.01	0.020	0.86	2.20	0.01	2.78	0.08	3.16					
18	7.20	15.4	300	380	0.36	0.250			0.540	0.056	0.01	0.046	0.19					7.80	0.25	300	120	0.01	0.028	0.78	2.11	0.01	2.63	0.09	3.10					
19	7.20	15.0	300	390	0.40	0.267			0.489	0.062	0.01	0.052	0.17					7.80	0.22	300	180	0.01	0.032	0.77	2.01	0.01	2.43	0.08	2.96					
20	7.30	15.0	300	390	0.38	0.220			0.458	0.046	0.01	0.050	0.08					7.80	0.21	250	180	0.01	0.033	0.81	2.14	0.01	2.59	0.10	3.10					
21	7.20	14.9	280	400	0.62	0.282			0.275	0.239	0.01	0.155	0.17					7.80	0.20	280	200	0.01	0.018	0.67	2.38	0.01	1.69	0.08	2.20					
22	7.30	14.9	300	400	0.48	0.288			0.560	0.032	0.01	0.049	0.15					7.60	0.18	300	300	0.01	0.029	0.76	2.08	0.01	1.63	0.08	2.08					
23	7.30	14.8	280	385	0.54	0.282			0.753	0.048	0.01	0.041	0.15					7.70	0.18	300	140	0.01	0.018	0.68	2.12	0.01	1.75	0.08	2.34					
24	7.30	14.8	280	390	0.50	0.280			0.698	0.050	0.01	0.045	0.16					7.70	0.14	300	140	0.01	0.022	0.63	2.09	0.01	1.89	0.09	2.45			pass	pass	pass
25	7.40	14.8	290	390	0.52	0.292			0.716	0.052	0.01	0.091	0.14					7.60	0.16	290	280	0.01	0.020	0.77	2.10	0.02	2.14	0.12	3.07					
26	7.40	14.8	282	390	0.50	0.299			0.748	0.055	0.01	0.122	0.15					7.70	0.14	290	150	0.01	0.022	0.69	2.11	0.01	1.92	0.10	3.01					
27	7.30	14.9	280	390	0.48	0.310			0.726	0.050	0.01	0.101	0.15					7.80	0.18	280	140	0.01	0.024	0.75	2.10	0.01	1.98	0.10	3.12					
28	7.40	14.8	290	382	0.61	0.327			0.117	0.048	0.01	0.126	0.16					7.70	0.19	290	130	0.01	0.022	0.84	2.01	0.02	2.21	0.11	2.87					
29	7.40	14.5	290	390	0.59	0.294			0.567	0.058	0.01	0.059	0.15					7.70	0.20	240	220	0.01	0.031	0.73	2.24	0.01	2.75	0.06	2.72					
30	7.40	14.6	280	380	0.55	0.290			0.560	0.050	0.01	0.046	0.15					7.70	0.18	280	220	0.01	0.026	0.80	2.18	0.01	2.77	0.08	2.80					
31	7.40	15.0	290	390	0.50	0.284			0.553	0.036	0.01	0.050	0.17					7.80	0.20	280	200	0.01	0.024	0.86	2.13	0.01	2.80	0.08	2.94					
Ave.	7.31	15.3	289	374	0.64	0.279	#DIV/0!	#DIV/0!	0.538	0.060	0.01	0.088	0.17	#####	#####	#####	#####	7.68	0.22	286	177	0.01	0.026	0.74	2.20	0.01	2.33	0.10	2.93	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Max	7.40	16.3	300	400	1.34	0.327	0.00	0.00	0.753	0.239	0.01	0.623	0.27	0	0	0	0	7.80	0.30	320	300	0.01	0.047	0.91	2.49	0.05	3.19	0.16	4.60	0.00	0.00	0.00	0.00	0.00
Min	7.20	14.5	280	280	0.36	0.220	0.00	0.00	0.048	0.004	0.01	0.041	0.08	0	0	0	0	7.50	0.14	240	110	0.01	0.011	0.41	2.01	0.01	0.43	0.04	2.08	0.00	0.00	0.00	0.00	0.00

Lagoon Effluent Tests		pH	Temp	TChlor	Mn	Fe	Chloiride	TSS
Monthly			°C	mg/l	mg/l	mg/l	mg/L	mg/L
Date	10/7/2025	7.5	23.4	0.02	0.274	0.16	760	<4

Distribution Stability Tests		pH	Temp	TDS	Alkalinity	Calcium	Chloiride	Sulfate	Remarks:
Every Two Weeks			°C	mg/L	mg/L as CaCO3		mg/L	mg/L	
Date	10/7/2025	7.43	22.6	430	280		48	52	
Date									
Date									