



Monthly Operating Report

March:2026



So. Sangamon

Water Commission

April 20th, 2026



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 March 2026.

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 March 2026, the plant pumped 42.418 million gallons from the well field and 34.968 million gallons of finished water. This is 1.5 million gallons less than March 2025.

The SSWC plant has been removed from Critical Review status.

Operations. There was 1 emergency call-outs for the month. There were numerous customer inquiry for the month.

Maintenance and Repair. For the month of March 2026, 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 March 2026.

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 March. A copy of the Operations Report to the Illinois Environmental Protection Agency (IEPA) is available on the SSWC website.

The EPA has mandated that SSWC deliver a public notification for failure to sample for Chlordane. Upon review, Chlordane had been sampled for and not detected. The public notification requirement had already been issued so the requirement to notify stands. SSWC has included the notification in its CCR.

2.2 INFLUENT FLOWS AND LOADINGS

The total gallons pumped from the well field were 42.418 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.	7.60	15.6	1.88	.251	-	390	290	1.548
Min.	6.8	13.6	.54	.198	-	370	200	1.232
Avg.	7.24	14.4	.92	.217	-	381	280	1.368
Total	-	-	-	-	-	-	-	42.418

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 36.448 MG during the month with a daily average of 1.176 MG and a min/max 1.067/ 1.346 MG.

Table 2.3 Finished Water Quality										
	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	0.25	3.92	7.8		0.03	0.330	.9	280	290	2.40
Min.	0.06	2.34	7.3		0.01	0.011	0.56	80	260	.99
Avg.	0.10	3.44	7.58		0.02	0.041	0.79	188	279	2.13
MCL	-	-	-	-	1.00	-	4.00	-	-	-
SMCL	-	-	-	-	0.30	0.050	2.00	-	-	-

Finished Water Flow Comparison for FY 2025-26

Time Period	2025-26	2024-25	2023-24
Apr 2025-Mar 2026	422,128,713	414,574,771	412,207,888
Increase for the same period last year		7.6 MG	2.4 MG

FINISHED WATER PUMPING HISTORY						
	2025-26	2024-25	2023-24	2022-23	2021-22	2020-21
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
Nov	32,837,339	28,768,567	30,061,570	35,563,717	31,181,005	32,325,040
Dec	35,792,889	32,675,158	31,818,986	30,450,255	31,391,459	31,582,311
Jan	34,401,288	33,741,476	33,807,516	37,721,005	32,322,270	31,456,987
Feb	30,485,408	29,167,378	29,777,768	33,481,076	32,451,653	30,638,842
Mar	32,732,477	31,913,792	31,222,925	36,781,261	33,909,417	33,633,244
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Totals	422,128,713	414,574,771	412,207,888	419,715,218	420,829,381	400,414,262
Avg	1.15 MGD	1.14 MGD	1.13 MGD	1.15 MGD	1.15 MGD	1.10 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)
March 26 th , 2026						
Minimum	.27	.499	225.2	.0.04	7.2	<4
Maximum	.27	.499	225.2	.0.04	7.2	<4
Average	.27	.499	225.2	.0.04	7.2	<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 March 2026. The limit for chloride discharge to the sanitary district is 30,000 mg/L. SSWC received a notice of violation for our discharge limits in March. 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

Power Outages

Ion Exchange Troubleshooting

Expansion Joint Failure

Groove Lock Connection Failure

Air Line Leak

3.2 EMERGENCY & SERVICE CALLS

Service Calls:

- There was 0 emergency call outs for the month.

3.3 EMERGENCY CALL-OUTS

There was 1 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

VFD Replacement

Insurance Claim

Scada repair

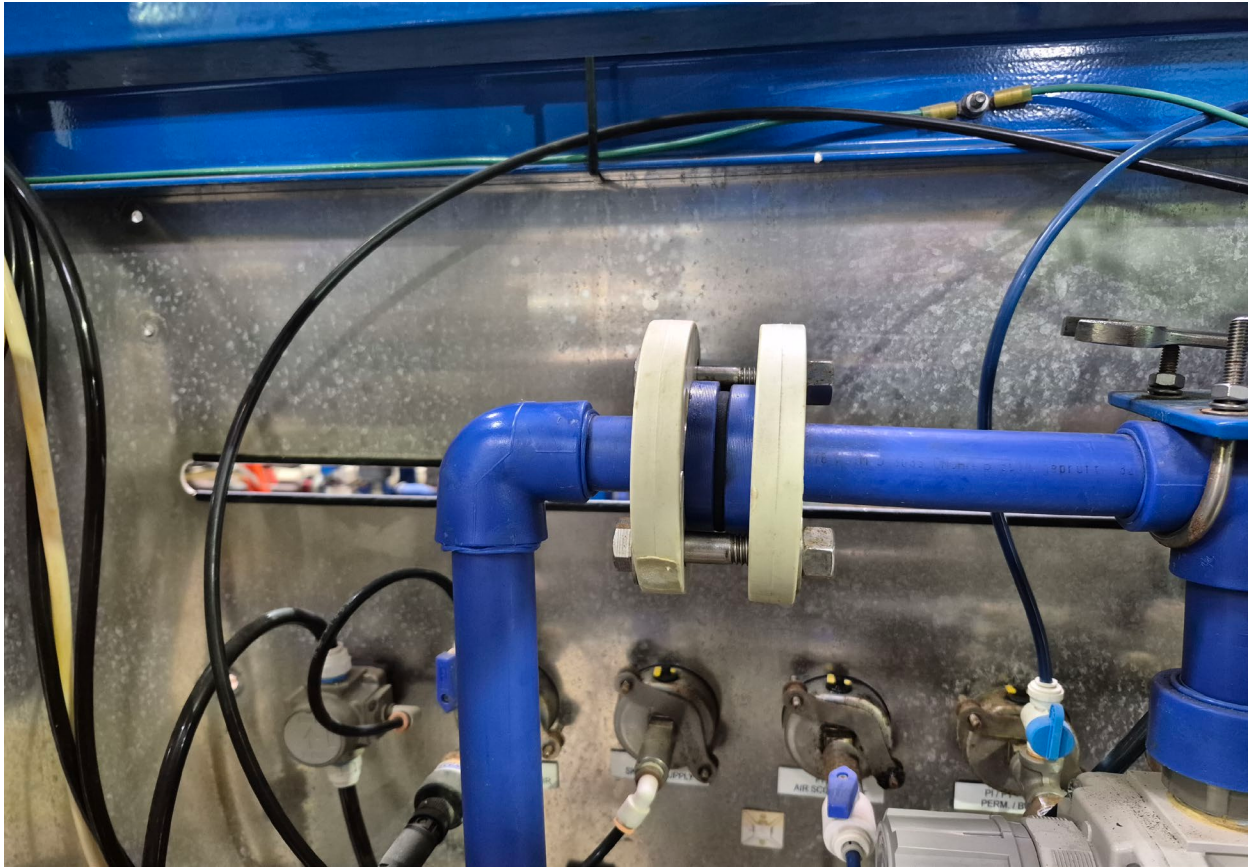
Air Compressor Service



Train #3 leak and repair



The expansion joint on the backwash line on train 2 failed. Fortunately SSWC had an expansion joint on the shelf to replace it with.



The flange connecting the air lines together was not holding air.



It was found that the seal had failed and had to be replaced. Staff did not have one on hand but was able to improvise to get the train back online.



Cahoy at well 2 performing a cleaning.

4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of March 2026, 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

Brine Solution Sampling

Manual CIPs

Manual Maintenance Cleans

Filter Train Leak Repair

Softener 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 March 2026.

- Kevin Canham
- Stephen Bivin
- Katie Krall
- Dan (SCADAware)
- Joe Lee Electric
- Kevin Garmin (SCADAware)
- Watts Copy

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 has been approved and well #11 is ready for service.

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 - IL1670080

March 2026

Physical and Chemical Tests																										Membrane Integrity																																																																																																																																																																																																																																																																																																																																																																			
Raw													Pre UF Membrane					Post UF Membrane				Post IEX				Finished						Post Filter																																																																																																																																																																																																																																																																																																																																																													
Date	pH	Temp deg. C	Ak. mg/L	Hard. mg/L	Fe mg/L	Total mg/L	Turbidity NTU	Total mg/L	Mn mg/L	Fe mg/L	Soluble Mn mg/L	Total mg/L	Turbidity NTU	Total mg/L	Fe mg/L	Mn mg/L	Total mg/L	Turbidity NTU	Total mg/L	Hard. mg/L	Total mg/L	Fe mg/L	Mn mg/L	Total mg/L	Fluoride mg/L	Ortho Phosphate mg/L	Free Ammonia mg/L	Chloramine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L	T mg/L	Distribution mg/L	Chlorine mg/L	F mg/L