



Monthly Operating Report

April:2026



So. Sangamon
Water Commission
May 18th, 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 April 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 April 2026, the plant pumped 42.046 million gallons from the well field and 35.146 million gallons of finished water. This is .5 million gallons less than April 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 April 2026, there were 30 inspections, 3 preventative and multiple corrective maintenance activity completed. There were 3 repair activities performed.

Budget. Passed at March 16th 2026 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 April 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 April. 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 42.046 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	17.5	2.19	.271	-	410	292	1.779
Min.	6.90	13.9	.87	.187	-	340	270	1.048
Avg.	7.19	15.0	1.02	.223	-	382	282	1.402
Total	-	-	-	-	-	-	-	42.048

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 36.680 MG during the month with a daily average of 1.223 MG and a min/max .907/ 1.550 MG.

Table 2.3 Finished Water Quality										
	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	0.18	4.0	7.8		0.02	0.151	1.07	280	300	2.50
Min.	0.06	2.38	7.4		0.01	0.018	0.524	80	210	1.83
Avg.	0.11	3.11	7.57		0.02	0.079	0.78	183	277	2.16
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
May 2025-Apr 2026	419,872,837	414,196,057	407,082,808
Increase for the same period last year		5.7 MG	7.1 MG

FINISHED WATER PUMPING HISTORY						
	2025-26	2024-25	2023-24	2022-23	2021-22	2020-21
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
Apr	29,072,947	31,328,823	31,707,537	36,832,617	31,991,050	33,214,211
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Totals	419,872,837	414,196,057	407,082,808	424,556,785	419,606,220	402,085,823
Avg	1.15 MGD	1.13 MGD	1.12 MGD	1.16 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)
April 1 st , 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 April 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. A plan has been implemented to assure compliance in the future..

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

Well Cleanings.

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



Cahoy was on site for well cleanings. This is Cahoy at well 5



Cahoy also performed maintenance on well 6.



The brine tank flange at bottom was leaking due to a cracked flange. During an attempt to repair, the H₂O inlet line above started leaking.



Within a few minutes it was found that the inlet line had completely broken off. A repair has been scheduled.

4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of April 2026, there were 30 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 April 2026.

- Kevin Canham
- Stephen Bivin
- Katie Krall
- Dan (SCADAware)
- Joe Lee Electric
- Kevin Garmin (SCADAware)
- Cahoy 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 has been approved and well #11 is in 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

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