



# Monthly Operating Report

December:2025

So. Sangamon  
Water Commission  
January 12th, 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 December 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](http://www.sswc.us)

During the month of December 2025, the plant pumped 46.846 million gallons from the well field and 40.588 million gallons of finished water. This is 2.853 million gallons more than December 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 December 2025, there were 31 inspections, 3 preventative and multiple corrective maintenance activity completed. There were 3 repair activities performed.

**Budget.** Passed at March 17<sup>th</sup> 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 December 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 December. 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 46.846 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.	7.65	15.0	.92	.288	-	392	300	1.903
Min.	7.1	13.9	.31	.219	-	335	200	1.143
Avg.	7.26	14.3	.53	.247	-	382	279	1.511
Total	-	-	-	-	-	-	-	46.846

### 2.3 EFFLUENT CONCENTRATIONS

The facility filtered 40.588 MG during the month with a daily average of 1.309 MG and a min/max .997/ 1.654 MG.

Table 2.3 Finished Water Quality										
	Free CL2	Total CL2	pH	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	0.19	3.90	7.7		0.01	0.520	1.0	335	300	2.42
Min.	0.02	2.88	7.4		0.01	0.009	0.40	80	180	2.02
Avg.	0.10	3.30	7.59		0.01	0.063	0.71	158	278	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
Jan 2025-Dec 2025	419,332,186	414,560,334	425,383,021
Increase for the same period last year		4.77 MG	-10.8 MG

FINISHED WATER PUMPING HISTORY						
	2025	2024	2023	2022	2021	2020
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
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
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Totals	419,332,186	414,560,334	425,383,021	410,415,216	417,875,114	393,895,696
Avg	1.15 MGD	1.14 MGD	1.17 MGD	1.12 MGD	1.14 MGD	1.08 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**

<b>Lagoon Effluent Results</b>						
<b>Date</b>	<b>Fe (mg/l)</b>	<b>Mn (mg/l)</b>	<b>Chloride (mg/l)</b>	<b>Cl<sup>2</sup> (mg/l)</b>	<b>pH (S.U.)</b>	<b>TSS (mg/l)</b>
December 19 <sup>th</sup> , 2025						
Minimum	.27	1.0	316	.003	7.5	<4
Maximum	.27	1.0	316	.003	7.5	<4
Average	.27	1.0	316	.003	7.5	<4
<b>Monthly Avg Limit</b>	<b>2.000</b>	<b>1.000</b>				<b>15</b>
<b>Daily Limit</b>	<b>4.000</b>	<b>2.000</b>	<b>500</b>	<b>0.05</b>	<b>6.0-9.0</b>	<b>30</b>

The Chloride sample for the month, performed by the Springfield Metropolitan Sanitary District, was below 30,000 mg/l for the month of December 2025. 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 October. 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

Comm Loss Alarms

Well #8

BOP Communications with HMI

Meter Installation

BOP Maintenance/Repair

### 3.2 EMERGENCY & SERVICE CALLS

#### Service Calls:

- There was 0 emergency call outs for the month.

### 3.3 EMERGENCY CALL-OUTS

There was 2 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

Scada repair



Well #8 new flow meter



Well #9 new flow meter



Well #10 new flow meter



New APC battery backup for BOP.





A groovelock on train #1 sprung a significant leak



Staff was able to get the leak stopped. The repair will take significant resources. Plant will monitor the train and proceed as necessary..

## **4. MAINTENANCE AND REPAIR**

### **4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE**

For the month of December 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

Brine Solution Sampling

BOP Repair

Well Flow Meter Installs

APC Installation

Train #1 Leak 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 December 2025.

- 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





