

QUARTERLY REPORT NO. 5

CORRECTIVE ACTION PLAN CITY OF SILOAM SPRINGS WWTF

SILOAM SPRINGS, AR

PROJECT INFORMATION

REPORT DATE	AFIN NUMBER	PERMIT NUMBER	MCE PROJECT NUMBER
January 15, 2026	04-00106	AR0020273	22-2156

BACKGROUND

On October 1, 2024, DEQ sent a Notice of Non-Compliance to the City of Siloam Springs. On November 14, 2024, MCE submitted a Corrective Action Plan (CAP) in response to the Notice of Non-Compliance. As requested, the CAP includes milestones that address the sanitary sewer overflows (SSOs) that have occurred at the plant.

SUMMARY

The city has continued to mitigate and work towards addressing the historical SSOs. The city has continued routine schedule of cleaning the manual bar screen, continued RAS/WAS pump maintenance, and has completed construction of the berm around the headworks area to prevent inflow from stormwater. The new berm has been successful in preventing some offsite storm water from coming into the headworks channel. Further reduction of offsite stormwater will require construction of the proposed emergency repairs.

The city has also completed cleaning of the facility's existing grit settling basin as a part of the information gathering phase of attempting to repair or replace items to get this system back into full operations.

Additional work to mitigate overflows at the WWTP includes the following repair and replacement of known problems within the gravity sewer collection system:

1. To reduce I&I potential during heavy rain events, 15 manholes are being raised out of the flood zone. Additionally, the city will be linking approximately 450 VF of

manholes in sewer basin 8, which according to the 2019 RJN study recorded nearly 25% of all I&I.

2. Old or broken frames & cover are being replaced with new bolt down frame and covers in area high SSO potential.
3. An agreement has been made between the City and Trekk Design Group for the design of 1,200 LF of force main and 10,000 LF of gravity main throughout the collection system.

These efforts have allowed normal plant performance and compliance with DEQ requirements.

The previously proposed full replacement of the influent screenings and grit systems with a new facility has proven to be cost prohibitive. Instead, the city is moving forward with an emergency repair to the existing influent screenings channel and existing grit removal system. MCE has completed the new proposed hydraulic profile of the WWTP emergency repairs and has submitted construction permit applications to DEQ and ADH for review. At this time, we are waiting on responses from these agencies. The city is also working with the Construction Manager at Risk, Garney Contractors, on pricing for the emergency repairs. Once pricing is received, the city will determine the next steps to the proposed repairs and replacement work.

The following is a summary of new overflow events that have occurred since the last quarterly report:

- On October 20th, 2025, a significant intake of grease into the headworks facility resulted in an SSO release of an estimated 25,000 gallons into Sager Creek. Wastewater operations staff responded by spreading lime across the affected area. There has been no evidence of adverse health or environmental impact due to the SSO.

All SSO's have been reported to the state and the city will continue implementing mitigation measures described in the CAP to prevent recurrence and ensure continued compliance with regulatory requirements. Proposed solutions are being priced and reviewed by regulatory agencies for construction permitting. Work to make the emergency repairs is anticipated to begin as soon as possible, but will ultimately be scheduled by the city based on funding availability.

The next Quarterly Report, No. 6, is due on April 15, 2026.

MILESTONE TASKS

TASK	DATE	STATUS
1) Corrective Action Plan to DEQ	Nov 14, 2024	Complete
2) Place sand bags around the existing channels at the headworks Sandbags have been placed; city will maintain the sandbags and place additional bags as required	Dec 20, 2024	Complete
3) Construct a berm uphill of the existing headworks	Feb 10, 2025	Complete
4) Hydraulic analysis of proposed repairs	Feb 28, 2025	Complete
5) Regulatory approval of screening facility (ADH and DEQ)	Feb 2026	In Progress
6) Begin construction of new headworks facility	April 2026	Not Started
7) Complete construction of the new headwork facility	Oct 2026	Not Started
8) Final report and completion of CAP	Jan 2027	Not Started

Respectfully,

Andrew Stephens, PE

Project Manager
McClelland Consulting Engineers



Existing Grit Basin cleaning on October 15, 2025