

NON-COMPLIANCE REPORT

Arkansas Department of Environmental Quality
Office of Water Quality - Enforcement Branch
5301 Northshore Drive
North Little Rock, AR 72118

RE: Permit No: AR0020273 Discharge Number: 001
Facility: City of Siloam Springs Wastewater Plant
Address: 975 Anderson Avenue
City: Siloam Springs State: AR Zip: 72761
Contact: Tony Brown Phone: 479-524-5623

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
Date	Parameter	Loading	Concnetration	Limit
1/31/2024	Ammonia Nitrogen (NH3-N) Monthy Avg.		5.393 mg/L	4.0 mg/L
1/31/2024	Ammonia Mass (lbs/day)	184.2 lbs./day		147 lbs./day

We feel this problem was due to:

State Problem

During the freezing temperatures the week of January 22nd through the 26th our sodium bisulfite tanks froze and the chemical fill line broke. As the tanks thawed out a venturi was created and drained one of the tanks back into the influent process. Sodium Bisulfite is an oxygen scavenger and reduced the nitrification process causing ammonia not to be oxidized. Subsequently, causing the ammonia to leave at 20.5 mg/l in the effluent.

We plan on correcting the problem in this manner:

State Correction

Staff are in the process of getting a check valve that will work with the sodium bisulfite to ensure it can not back feed into the wastewater process.

Time estimated that it will take to correct problem:

Time Estimate

There is an estimated 2 week lead time to correct the problem from occurring in the future.

Sincerely,

Submitted By: 

Date: 1/31/2024

☒ Submitted electronically via NetDMR

Certification Statement: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Revised March 2016)