

CITY OF YELLVILLE  
WATER AND SEWER DEPARTMENT  
P.O. BOX 647  
YELLVILLE, AR 72687  
(870) 449-5210

October 13, 2021

Arkansas Department of Environmental Quality  
Enforcement Section/ Water Division  
5301 Northshore Drive  
North Little Rock, AR 72118

RE: Arkansas NPDES Permit Number AR 0034037

Dear Ms. Harbin,

This letter is to inform you of the City of Yellville's non-compliance with effluent limitations for the month of September 2021.

1. Description of Violations:

- a. NO<sub>3</sub>+NO<sub>2</sub>-N, NPDES AVG 10.0, REPORTED 11.01.

2. Reason for Violations:

- a. The problem lies in the fact that we fixed almost all of the air leaks in the piping. What has happened is when there were leaks in the air line; the oxygen level was going way down, allowing the bacteria that take in the nitrates to do their job. When there was one blower on, there wasn't enough air pressure to push the air out of the diffusers. So, it was as if we had let the oxygen levels get even lower than what we have the blowers set on. Now that we have the air leaks fixed, the oxygen levels don't get low enough for the basin to go anoxic which is what we want to happen for the nitrate level to drop. We adjust the blowers a little at a time and we will get them to operate at the right levels for us to be consistently in compliance.

3. Duration of the Violation:

- a. The sample collected on the 6<sup>th</sup> of October was below 10 mg/L.

4. Corrective Action Being Taken to Eliminate Violations:

- a. We have been adjusting the blowers a small amount each day to see if our adjustments are allowing the nitrate levels to drop.

Thank you for your time and considerations. If you should have any questions, please call my office at (870) 449-5210.

Sincerely, 

Shawn Lane, Mayor  
City of Yellville