

# NON-COMPLIANCE REPORT

EPA, REGION 6  
COMPLIANCE ASSURANCE AND ENFORCEMENT  
1445 ROSS AVENUE  
DALLAS, TX 75202-2733

ADEQ  
NPDES ENFORCEMENT SECTION  
5301 NORTHSHORE DRIVE  
NORTH LITTLE ROCK, AR 72118

RE: NPDES Permit No. AR0021750 Massard WWTP

Address: 1609 9th Street

City: Barling, Arkansas 72923

Contact: Jonathan Shipley, Treatment Program Manager Phone: 479-784-2331

<u>Date of Non-compliance</u>	<u>Parameter Exceeded</u>	<u>Quantity or Loading</u>	<u>Quantity or Concentration</u>	<u>Permit Limits</u>
June 2023	Ammonia, Nitrogen	N/A	(3) – 7 day average Exceedances (1) - 30 day average Exceedance (1) - 30 day average Exceedance	7.5 mg/l – 7 day avg. 5.0 mg/l – 30 day avg. Mass 417 lbs/day avg.

**We feel this problem was due to:**

The causes of the Ammonia, Nitrogen exceedances are as follows.

Inadequate nitrification in the treatment process due to the lack of a healthy population of nitrifying bacteria.

**Plan of correcting the problem in the following manner:**

1. Removed older sludge from the secondary clarifiers.
2. Tried to increase the pH in the treatment process in an attempt to increase nitrification.
3. Utilizing a lab that specializes in identifying characteristics that may hinder proper nitrification.
4. Hauled tanker loads of healthy bacteria from our other wastewater plant with the purpose of re-seeding the treatment facility.
5. Purchased and added microbial seed to the treatment process.

**Time estimated to correct the problem:**

Efforts to optimize plant processes are currently being evaluated. We continue to work on finding the solution to bring the Ammonia level back down below permit limits.

  
Lance McAvoy, Director of Water Utilities

Date: 07/13/2023