

# NON-COMPLIANCE REPORT

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

ADEQ  
NPDES ENFORCEMENT SECTION  
5301 NORTHSORE 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>
July 2023	Ammonia, Nitrogen	N/A	(1) - 7 day average Exceedances (1) - 30 day average Exceedance (1) -30 day average Exceedance	5.0 mg/l - 30 day avg. 7.5 mg/l - 7day avg. Mass 417 lbs./day avg.

### We feel this problem was due to:

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

1. 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. Utilizing outside consultants to review the treatment process.
2. Continue to purchase and add microbial seed to the treatment process in an effort to increase nitrification.
3. Operations staff has increased the quantity of sludge removal in an attempt to keep younger, healthier bacteria in an effort to increase nitrification.
4. Investigating implementation of TBLLs on Ammonia Nitrogen from local industries discharging into Massard WRF.

### 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: 08/21/2023