

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>
August 2023	Ammonia, Nitrogen	N/A	(2) – 7 day average Exceedances (1) - 30 day average Exceedance	7.5 mg/l – 7 day avg. 5.0 mg/l – 30 day avg.

We feel this problem was due to:

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

1. Lower than desired nitrification throughout the treatment process.

Plan of correcting the problem in the following manner:

1. Utilize outside consultant to review the treatment process and propose feasible solutions for effluent ammonia compliance.
2. Continue to purchase and add microbial seed in an effort to increase nitrification.
3. Operations staff continues to investigate possible solutions to increase a healthier bacteria population.
4. Investigate implementation of TBLL's on Ammonia Nitrogen from local industries discharging into the 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: 09/19/2023