

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>
May 2023	Ammonia Nitrogen	N/A	(3) – 7 day average Exceedances (1) - 30 day average Exceedance	5.0 mg/l – 30 day avg. 7.5 mg/l - 7 day avg.

We feel this problem was due to:

The supposed 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. Availability of microbial seed (utilized previously) was hindered due to a supply chain issue.

Plan of correcting the problem in the following manner:

1. Purchased and started adding microbial seed when it became available.
2. Outside consultants were brought in, samples were sent off for lab analysis.
3. Based on the lab reports and recommendations, purchased a different microbial seed to add to the treatment process.
4. Additional air was added to the aeration basins.

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: 06/22/2023