

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>
October 2023	Ammonia, Nitrogen	N/A	(1) - 7 day average Exceedance (1) - 30 day average Exceedance	7.5 mg/l - 7day 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.


Inadequate nitrification of bacteria during the treatment process.

Plan of correcting the problem in the following manner:

Garver Engineering was hired to perform an Ammonia Study and give recommendations on ways to enhance the nitrification process. A leak in the air line used for aeration has been repaired. Plant staff has drained the Aeration Basin, removed sediment, old sludge and performed an inspection of the air diffuser system. No major issues were noticed in the diffuser system, but all new diffusers heads have been ordered. Internally we are discussing ways to achieve additional extended aeration.

Time estimated to correct the problem:

At this time we feel that we have a clearer plan to increase nitrification and make the corrective actions needed to stay within permit parameters.


Lance McAvoy, Director of Water Utilities

Date: 11/16/2023