

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: Steve Floyd, Program Manager, Water/Sewer Treatment Phone: 479-784-2331

<u>Date of Non-compliance</u>	<u>Parameter Exceeded</u>	<u>Quantity or Loading</u>	<u>Quality or Concentration</u>	<u>Permit Limits</u>
June 2021	Ammonia, Nitrogen	N/A	(1) – 7 day average violation 30 day average – 5.4 mg/l	5.0 mg/l – 30 day avg. 7.5 mg/l - 7day avg.

We feel this problem was due to:

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

1. On or about June 23, 2021 the aeration system experienced an explosive growth of Nocardia and other filamentous organisms. This growth greatly reduced the ability to remove ammonia, nitrogen. Due to the excessive foam being produced air volumes to the basins were reduced to prevent an overflow of the foam which would have resulted in an overland discharge.

Plan of correcting the problem in the following manner:

Anti-foaming agents with anti-fungal and anti-bacterial properties have been introduced to control foaming and eliminate unwanted organisms. Plant staff increased waste activated flow rates for a short time to remove the filamentous organisms from the system. A gradual increase in air flow to the basins is currently underway.

Time estimated to correct the problem:

Efforts to optimize plant processes are currently being evaluated. Ammonia, nitrogen effluent levels appear to be on a downward trend. We do anticipate that this issue will carry over to the first week of July

possibly resulting in a seven day average violation. We are hopeful that the thirty day average can be attained.

Lance McAvoy, Director of Utilities

Date: _____