

NON-COMPLIANCE REPORT

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

ADEQ
NPDES ENFORCEMENT SECTION
5301 NORTSHORE 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>
July 2021	Ammonia, Nitrogen	N/A	(3) – 7 day average violations 30 day average – 6.6 mg/l 30 day average loading- 426 ppd	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. Please reference the City's Non-Compliance report for June 2021.
2. 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. The plant continues to experience unwanted Nocardia growth.

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. Air flow to the basins has been increased to optimum levels.

Time estimated to correct the problem:

Efforts to optimize plant processes are currently proceeding. Ammonia, nitrogen effluent levels appear to be stabilizing. We anticipated that this issue would carry over to the first week or two of July resulting in seven day average violations. We are optimistic that full compliance can be obtained in August 2021.


Lance McAvoy, Director of Utilities

Date: 08/22/2021