

NON-COMPLIANCE REPORT

April 21, 2016

Arkansas Department of Environmental Quality
NPDES Enforcement Section
5301 Northshore Drive
North Little Rock, AR 72118

RE: NPDES Permit No. AR0043613 **AFIN No.** 14-00059 **Discharge Number:** 001

Facility: City of Magnolia-Big Creek WWTP

Physical Address: 72 Columbia Road 300 Magnolia, AR 71753

Mailing Address: P.O. Box 666 Magnolia, AR 71754-0666

Contact: Russell Thomas **Phone:** 870-234-2955 **Fax:** 870-234-2203

Email: mwws@sbcglobal.net

We have the TGP6 C parameter of our most recent Chronic Wet Testing the was performed March 22 - 29, 2016

We feel like this problem was due to:

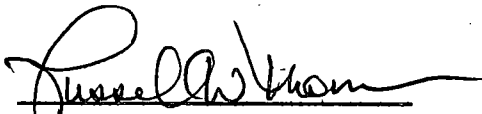
The lab indicated that the samples collected had a unusual musty smell during the testing period. It may have been contributed to rainfall.

Also it may have been contributed to the decant water coming from the sludge drying process. The Sludge holding tank contains sludge from the water treatment plant.

We plan on correcting the problem in this manner:

We are currently processing everything in the Sludge Holding tank and will test sample of decant water

Sincerely


Russell W. Thomas

04/21/2016
Date

Bio-Analytical Laboratories (BAL)
ADEQ Certificate #88-0630
Project X5977

Bio-Analytical Laboratories' Executive Summary

Permittee: Magnolia Wastewater System
P.O. Box 666
Magnolia, AR 71753

Project #: X5977

Outfall: 001 (treated municipal wastewater)

Permit #: AR0043613/ AFIN #14-00059

Contact: Russell Thomas

Dates: March 22 - 29, 2016

Test Type: Chronic Static Renewal Survival and Reproduction Test using *Ceriodaphnia dubia* (EPA Method 1002.0)
Chronic Static Renewal Survival and Growth Test using *Pimephales promelas* (EPA Method 1000.0)

Results:

For *Ceriodaphnia dubia*:

1. If the NOEC for survival is less than the critical dilution (100.0%), enter a "1"; otherwise, enter a "0" for Parameter TLP3B - 0 -Pass
2. If the NOEC for reproduction is less than the critical dilution, enter a "1"; otherwise, enter a "0" for Parameter TGP3B - 0 - Pass
3. Report the NOEC value for survival, Parameter TOP3B - 100.0%.
4. Report the NOEC value for reproduction, Parameter TPP3B - 100.0%.
5. Report the largest % coefficient of variation between the control and the critical dilution, Parameter TQP3B - 19.71%.

For *Pimephales promelas*:

1. If the NOEC for survival is less than the critical dilution (100.0%), enter a "1"; otherwise, enter a "0" for Parameter TLP6C - 0 -Pass
2. If the NOEC for growth is less than the critical dilution, enter a "1"; otherwise, enter a "0" for Parameter TGP6C -1 -Fail
3. Report the NOEC value for survival, Parameter TOP6C - 100.0%.
4. Report the NOEC value for growth, Parameter TPP6C - 80.0%.
5. Report the largest % coefficient of variation between the control and the critical dilution, Parameter TQP6C - 71.10%.

This report contains a total of 44 pages, including this page. The results contained within pertains only to the samples listed on the chain of custody documents in Appendix A. The information meets the standards set forth by ADEQ. The chemical data in this report is for monitoring purposes only and should not be reported on discharge monitoring reports.

City of Magnolia Big Creek WWTP
P.O. Box 666
Magnolia, AR 71754-0666
Permit # AR0043613
AFIN # 1400059

LITTLE ROCK AR 722
22 APR 2016 PM 3 L



ADEQ
Water Division
NPDES Enforcement Section
5301 North Shore Drive
North Little Rock, AR 72118-5317

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