

Bio-Analytical Laboratories (BAL)  
ADEQ Certificate #88-0630  
Project X6009

### Bio-Analytical Laboratories' Executive Summary

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

**Project #:** X6009

**Outfall:** 001 (treated municipal wastewater)

**Permit #:** AR0043613/ AFIN #14-00059

**Contact:** Russell Thomas

**Dates:** April 12 - 19, 2016

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

#### Results:

##### **For *Pimephales promelas*:**

Lethal and sub-lethal effects were not present in this test; however, this test was invalid because of the following:

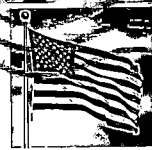
1. The percent coefficient of variation between replicates in the 100 % critical dilution was 41.91 %, which is greater than the permit test acceptance requirement of 40.0 %.
2. The PMSD value for this test was 52.6, which is greater than the 12- 30 range stated in the permit.

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

24 MAY 2016 PM 3



NPDES Enforcement Section  
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Arkansas Department of Environmental Quality  
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72118-531799

