



Springdale Water Utilities

526 Oak Avenue P.O. Box 769 Springdale, Arkansas 72765-0769 (479) 751-5751

Enforcement Branch
Arkansas Dept. of Environmental Quality
5301 Northshore Dr.
North Little Rock, AR 72118-5317

**RE: NPDES Permit No. AR0022063
AFIN #72-00003
Springdale, AR**

May 16, 2016

Dear Sir or Madame:

Enclosed please find the results of second quarter Ceriodaphnia dubia and Pimephales promelas analyses conducted on Springdale Water Utilities' wastewater treatment facility effluent for 2016. These analyses are required by our NPDES Permit.

Please feel free to call Ms. Jennifer Enos at (479)756-3657 if you have any questions concerning these analyses.

Sincerely yours,

Heath A. Ward
Executive Director

JEE/jee

Enclosures

Cc: Jennifer Enos, SWU
Mary Barnett, ADEQ
File

Springdale Water Utilities

Springdale, Arkansas

System Overflow Report for May 2016

NO OVERFLOWS TO REPORT

This report submitted to Arkansas Department of Environmental Quality in compliance with Permit Number AR0022063 AFIN: 72-00003

Date	Time	Duration	Address	Est. Vol.	Cause of overflow	Remedial Action	Environmental Impact	Discharge Location

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that all qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature *Keith C. Ward*

Date 06-16-2016

TEST VALIDITY

The Pimephales promelas control survival rate was 100%. The mean dry weight (growth) of the Pimephales promelas was determined at 0.373 mg/organism in the controls. The percent coefficient of variation (%CV) values for the fathead minnow control for survival and growth were 0.00 and 9.94. The Ceriodaphnia dubia survival rates were 100 in the control. The Ceriodaphnia in the control produced an average of 20.7 young over the seven-day exposure period. Percent CV values for Ceriodaphnia dubia control survival and reproduction was 0.00 and 10.20. Control data met or exceeded all criteria set out by EPA 821-R-02-013 for test acceptance.

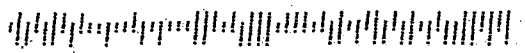
CONCLUSIONS

The No Observed Effect Concentration (NOEC) for Pimephales promelas was 97% for survival and 97% for growth. The No Observed Effect Concentration (NOEC) for Ceriodaphnia dubia was 97% for Survival and 97% for Reproduction. The tests were ran using a synthetic control against effluent concentrations of 31%, 41%, 55%, 73%, and 97%. The effluent sampled on 5-9-16, 5-11-16, and 5-13-16 exhibited acceptable chronic toxicity in Pimephales promelas and in Ceriodaphnia dubia during the exposure period as described in EPA 821-R-02-013.

REPORT OF LABORATORY ANALYSIS

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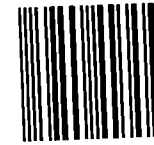
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