



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**

September 14, 2015

Dear Sir or Madame:

Enclosed please find the results of third quarter Ceriodaphnia dubia and Pimephales promelas analyses conducted on Springdale Water Utilities' wastewater treatment facility effluent for 2015. 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



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North Little Rock, AR 72118-5317

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

September 14, 2015

Dear Sir or Madame:

A single grab sample was collected during the week of August 9 – 15, 2015 for fecal coliform analysis. The result of this analysis was 460 col./100 mL, slightly in excess of Springdale's WWTF 7-day average (geometric mean) limit of 400 col./100 mL.

It is believed that poorer than normal settleability resulted in slightly higher solids concentrations in the plant effluent. This allowed coliform colonies to "hide" in the remaining solids, resulting in higher counts.

Our standard protocol is to notify Operations staff of a higher than usual analytical result, review operations, make any corrections necessary to lower the value, and resample to verify that the operational changes resulted in adequately improved performance. It had been so long since values in excess of permit limitations had been observed that this notification did not occur promptly, resulting in an exceedance.

Upon notification, Operations staff started checking the total residual chlorine (TRC) just before dechlorination instead of further upstream to insure that a high enough residual remained in the process to disinfect the wastewater and lower the Fecal coliform concentration remaining in the system. This counteracted any regrowth that might have occurred due to remaining solids prior to that point.

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NPDES Permit No. AR0022063

AFIN No. 72-00003

Springdale, AR

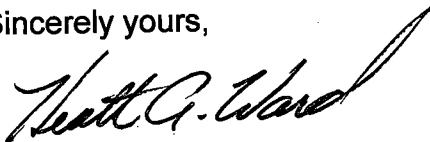
It is not believed that fecal coliform values remained as high later in the week. Weekly grab samples are normally collected on Tuesdays in part because that is typically the least optimal day of performance for the WWTF. Significant fluctuations between weekend and weekday loadings to the facility make it through to the plant effluent on Tuesdays and reflect the biological processes' struggle to treat higher loadings after the lull of a weekend. Samples collected the following Tuesday showed a value of 165 col./100 mL on Tuesday and 4 col./100 mL on Thursday, both well below the 7 day average limit.

In addition to operational changes, more stringent internal notification requirements have been put in place, insuring that laboratory staff flag higher than usual values promptly, and that supervisory staff review all operating data at a greater frequency. Both changes insure more timely response to any changes in plant performance.

We are confident that there was no danger to the health or environment resulting from this higher than usual level. Thus, no 24 hour report was issued.

Please feel free to call Ms. Jennifer Enos at (479)756-3657 if you have any questions concerning this report or the corrective actions taken.

Sincerely yours,



Heath A. Ward
Executive Director

JEE/jee

Enclosures

Cc: Jennifer Enos, SWU
File

Springdale Water Utilities

Springdale, Arkansas

System Overflow Report for AUGUST 2015

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 Heath C. Ward

Date 9-14-2015

**CITY OF SPRINGDALE WWTF
 NPDES PERMIT NO. AR0022063
 AFIN NO. 72-00003
 BIOMONITORING REPORTING
 TEST DATE: 08/04/15**

I. *Ceriodaphnia dubia*

	Response
(A) If the NOEC for survival is less than the critical dilution, enter a "1"; otherwise, enter a "0". Parameter No. TLP3B.	0
(B) Report the NOEC value for survival, Parameter No. TOP3B.	97%
(C) Report the NOEC value for reproduction, Parameter No. TPP3B.	97%
(D) If the NOEC for reproduction is less than the critical dilution, enter a "1"; otherwise, enter a "0". Parameter No. TGP3B.	0
(E) Report the higher (critical dilution or control) Coefficient of Variation, Parameter No. TQP3B.	9.36%

II. *Pimephales promelas* (fathead minnow)

	Response
(A) If the No Observed Effect Concentration (NOEC) for survival is less than the critical dilution, enter a "1"; otherwise, enter a "0". Parameter No. TLP6C.	0
(B) Report the NOEC value for survival, Parameter No. TOP6C.	97%
(C) Report the NOEC value for growth, Parameter No. TPP6C.	97%
(D) If the No Observed Effect Concentration (NOEC) for growth is less than the critical dilution, enter a "1"; otherwise, enter a "0". Parameter No. TGP6C.	0
(E) Report the highest (critical dilution or control) Coefficient of Variation, Parameter No. TQP6C.	6.25%
22415 Retest Number 1	Leave Blank
22416 Retest Number 2	Leave Blank

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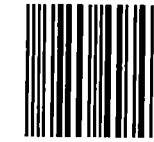
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526 OAK AVE
SPRINGDALE, AR 72762



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