


Sanitary Sewer Overflow Monthly Report

Facility Name: City of Walnut Ridge Permit Number: AP0046566 Reporting Period (Month/Year): June 2013

No Sanitary Sewer Overflows This Monitoring Period

Cause(s) of SSO		Summary Report Code Descriptions		
		SSO Impact	Action(s) Taken	Ultimate Discharge Location
CO-Construction	D-Debris	NEAH-No Evidence of Adverse Health or Environmental Impact	WO-Work Order	CR-Creek/Stream/River (please spec
E-Equipment Failure	G-Grease			
HC-Hydro Clean	LF-Line Failure/Break	OEHC-Observed or Evidence of Human Contact	EC-Environmental Cleanup	DI-Ditch
R-Rainfall	RG-Roots & Grease	EFK-Evidence of Fish Kill	HC-Hydro Cleaned	DR-Drop Inlet
RO-Roots	V-Vandalism		HR-Hand Rodded	GR-Ground Surface
			EN-Referred to Engineering	PA-Paved Area
			PN-Public Notification	CB-Contained in Building

Location	Manhole #	Start Date of SSO	End Date of SSO	Estimated Volume (in gallons)	Cause of SSO	Environmental Impact	Action (s) Taken to Address SSO	Ultimate Discharge Location
Pump Station (FSI)	N/A	6-5-13	6-5-13	250	E	NEAH	WO	GR

Signature of Cognizant or Ranking Official: 

Date: 7-22-13

"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 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."

Facility Director / Contact: Jennifer L. Bouldin, PhD
Phone: (870) 972-2570

Client: Walnut Ridge Wastewater Treatment Plant
216 Southwest 4th Street
Walnut Ridge, AR 72476

Contact: Jon Kopp
870-866-2312

NPDES Permit #: AR00 AFIN#: _____
Effluent Sampling Point/Type: 24hr Composite
Samples Collected:

Sample #	Sampling Times	Received	Arrival Temp
1	06/02/13 0900 hrs to 06/03/13 0900 hrs	06/03/13 1105 hrs	2.0°C
2	06/04/13 0900 hrs to 06/05/13 0900 hrs	06/05/13 1210 hrs	3.0°C
3	06/06/13 0900 hrs to 06/07/13 0900 hrs	06/07/13 0930 hrs	5.0°C

Test Methods:

7-Day Chronic Toxicity, Static renewal, Fathead minnow, EPA 821/R-02/013, Section 11
7-Day Chronic Toxicity, Static renewal, Cladoceran, EPA 821/R-02/013, Section 13

Organisms: *P. promelas* <24hrs, *C. dubia* <24hrs

Culture Source: ASU ERF

Dilutions: 0%, 32%, 42%, 56%, 80%, 100%

Critical Dilution: 100%

Statistical Method: Toxcalc 5.0.25

Results:	<i>P. promelas</i>	<i>C. dubia</i>
NOEC Survival:	100%	100%
Pass/Fail (0=pass; 1=fail):	0	0
NOEC Growth/Reproduction:	100%	100%
Pass/Fail (0=pass; 1=fail):	0	0
Control Survival:	97.5%	100%
Control % CV Growth/Reproduction:	5.4	11.2
Critical Dilution % CV Growth/Reproduction:	27.9	14.2
Mean Weight/ # Neonates in Control:	0.3691 mg	30.2
Mean Weight/ # of Neonates in Critical Dilution:	0.5434 mg	32.1
MSDp Growth/ Reproduction		
Daily Average Minimum NOEC:	100%	100%
7-Day Minimum NOEC:	100%	100%

Results Summary: Neither lethal or sublethal effects were measured for *P. promelas* or *C. dubia* exposed to treated effluent or dilution mixtures.

QA/Reference Testing: Data attached

Reviewed By:

Jennifer L Bouldin
Jennifer L. Bouldin, PhD
Director ASU Ecotoxicology Research Facility

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Quarter
Wet
DMR

Facility Director / Contact: Jennifer L. Bouldin, PhD
Phone: (870) 972-2570

Client: Walnut Ridge Wastewater Treatment Plant
216 Southwest 4th Street
Walnut Ridge, AR 72476

Contact: Jon Kopp
870-866-2312

NPDES Permit #: AR00 AFIN#:
Effluent Sampling Point/Type: 24hr Composite
Samples Collected:

Sample #	Sampling Times	Received	Arrival Temp
1	07/07/13 0900 hrs to 07/08/13 0900 hrs	07/08/13 1116 hrs	5.0°C
2	07/09/13 0900 hrs to 07/10/13 0900 hrs	07/10/13 1112 hrs	1.5°C
3	07/11/13 0900 hrs to 07/12/13 0900 hrs	07/12/13 1030 hrs	6.9°C

Test Methods:

7-Day Chronic Toxicity, Static renewal, Fathead minnow, EPA 821/R-02/013, Section 11
7-Day Chronic Toxicity, Static renewal, Cladoceran, EPA 821/R-02/013, Section 13

Organisms: *P. promelas* <24hrs, *C. dubia* <24hrs

Culture Source: ASU ERF

Dilutions: 0%, 32%, 42%, 56%, 80%, 100%

Critical Dilution: 100%

Statistical Method: Toxcalc 5.0.25

Results:	<i>P. promelas</i>	<i>C. dubia</i>
NOEC Survival:	100%	100%
Pass/Fail (0=pass; 1=fail):	0	0
NOEC Growth/Reproduction:	100%	80%
Pass/Fail (0=pass; 1=fail):	0	0
Control Survival:	100%	100%
Control % CV Growth/Reproduction:	8.0	27.1
Critical Dilution % CV Growth/Reproduction:	8.9	25.9
Mean Weight/ # Neonates in Control:	0.5408 mg	25.0
Mean Weight/ # of Neonates in Critical Dilution:	0.5423 mg	19.0
MSDp Growth/ Reproduction	0.1399	
Daily Average Minimum NOEC:	100%	100%
7-Day Minimum NOEC:	100%	100%

Results Summary: Neither lethal or sublethal effects were measured in *P. promelas* exposed to treated effluent or dilution mixtures. No lethal effects were measured and sublethal effects were measured at the 100% dilution.

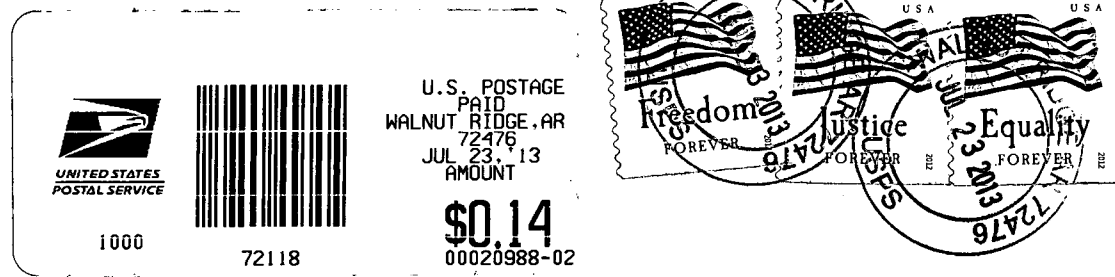
QA/Reference Testing: Data attached

Reviewed By:

Jennifer L. Bouldin
Jennifer L. Bouldin, PhD
Director ASU Ecotoxicology Research Facility

3rd Quarter
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CW
216 S.W. 4th
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ADEQ
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