

Richard Healey (adpce.ad)

From: Terry Long <eswwtp@yahoo.com>
Sent: Friday, October 27, 2023 1:15 PM
To: Water-Enforcement-Report; Simon Wiley
Subject: AR 0021865 AFIN 08-00036 Update
Attachments: BacT sampling Oct 23, 2023.pdf

ADEQ Water Enforcement,

Please find the attached lab results with chain of custody from the samples pulled from Leatherwood Creek on Monday 10/23/23. We noticed that there was a huge increase of bacteria count at both sample locations #2 & #3 (835 Highway 23 N and Leatherwood Creek at powerline crossing respectively) for the samples collected on Monday 10/23/2023 as compared to those taken on Friday 10/20/23. We found it strange to see such a huge increase in bacteria counts and wonder if there is something else influencing the bacteria count.

Moving forward, we will continue to collect and analyze samples from the eight (8) locations specified and we will be forwarding those results when received.

If you have any questions, please feel free to contact me.

Thank you,

Terry

Terry Long, Plant Manager
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100 Highway 23 N.
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Control Number: 2310020152
 Customer Name : EUREKA SPRINGS, CITY OF
 Customer/Permit No. : 1505 / AR0021865 001
 Report Date : 10/25/23

Sample Date : 10/23/23
 Sample Time : 1049
 Sample Type : GRAB WATER
 Sample From : #1 WWTP & CREEK

Collected By: WILLIAM BALENTI
 Delivery By : TERRY LONG
 Work Order :
 Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
10/23	1500	RWS	E. Coliforms	153.0 /100ml		06/2012 Colilert18	0.00	N/A *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature R. Steven Woosley
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Control Number: 2310020153	Sample Date : 10/23/23	Collected By: WILLIAM BALENTI
Customer Name : EUREKA SPRINGS-CREEK@835 HWY 23N	Sample Time : 1107	Delivery By : TERRY LONG
Customer Number : 2849	Sample Type : GRAB WATER	Work Order :
Report Date : 10/25/23	Sample From : #2 CREEK 835 HWY 23N	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>			
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>					<u>% RPD</u>	<u>% Recovery</u>
10/23	1500	RWS	E. Coliforms	9208.0 /100ml		06/2012 Colilert18	0.00	N/A *	

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Control Number: 2310020154	Sample Date : 10/23/23	Collected By: WILLIAM BALENTI
Customer Name : EUREKA SPRINGS-POWERLINE 1/2 PLT	Sample Time : 1116	Delivery By : TERRY LONG
Customer Number : 2850	Sample Type : GRAB WATER	Work Order :
Report Date : 10/25/23	Sample From : #3 CREEK POWERLINE	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>			<u>% RPD</u>	<u>% Recovery</u>	
10/23	1500	RWS	E. Coliforms	12997.0	/100ml	06/2012 Colilert18	0.00	N/A *

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Control Number: 2310020155	Sample Date : 10/23/23	Collected By: WILLIAM BALENTI
Customer Name : EUREKA SPRINGS-CREEK@HWY 23 N	Sample Time : 1121	Delivery By : TERRY LONG
Customer Number : 2851	Sample Type : GRAB WATER	Work Order :
Report Date : 10/25/23	Sample From : #4 CREEK HWY 23 XING	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>			
<u>Analysis</u>						<u>Precision</u>	<u>Accuracy</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
10/23	1500	RWS	E. Coliforms	1081.0	/100ml		06/2012 Colilert18	0.00	N/A *

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Control Number: 2310020156	Sample Date : 10/23/23	Collected By: WILLIAM BALENTI
Customer Name : EUREKA SPRINGS-UPSTREAM WWTP	Sample Time : 1053	Delivery By : TERRY LONG
Customer Number : 2852	Sample Type : GRAB WATER	Work Order :
Report Date : 10/25/23	Sample From : #5 CREEK UPSTREAM	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>	
<u>Analysis</u>						<u>Precision</u>	<u>Accuracy</u>
<u>Date</u> <u>Time</u> <u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
10/23 1500 RWS	E. Coliforms	20.0 /100ml			06/2012 Colilert18	0.00	N/A *

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Control Number: 2310020157

Customer Name : EUREKA SPRINGS-CREEK @ GASKINS

Customer Number : 2853

Report Date : 10/25/23

Sample Date : 10/23/23

Sample Time : 1127

Sample Type : GRAB WATER

Sample From : #6 CREEK AT GASKINS

Collected By: WILLIAM BALENTI

Delivery By : TERRY LONG

Work Order :

Purchase Order :

Laboratory Analysis

Quality Assurance

Analysis

Date Time By
10/23 1500 RWS

Parameter
E. Coliforms

Result
31.0 /100ml

Notes

Quantity

Method
06/2012 Colilert18

Precision
% RPD
0.00

Accuracy
% Recovery
N/A *

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Control Number: 2310020158	Sample Date : 10/23/23	Collected By: WILLIAM BALENTI
Customer Name : EUREKA SPRINGS-CR@HWY 187 BRIDGE	Sample Time : 1129	Delivery By : TERRY LONG
Customer Number : 2854	Sample Type : GRAB WATER	Work Order :
Report Date : 10/25/23	Sample From : #7 CREEK 187 BRIDGE	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
10/23	1500	RWS	E. Coliforms	63.0 /100ml		06/2012 Colilert18	0.00	N/A *

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Control Number: 2310020159	Sample Date : 10/23/23	Collected By: WILLIAM BALENTI
Customer Name : EUREKA SPRINGS-CR@MARTIN MARINE	Sample Time : 1139	Delivery By : TERRY LONG
Customer Number : 2855	Sample Type : GRAB WATER	Work Order :
Report Date : 10/25/23	Sample From : #8 MARTIN MARINE	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
10/23	1500	RWS	E. Coliforms	20.0	/100ml		06/2012 Colilert18	0.00	N/A *

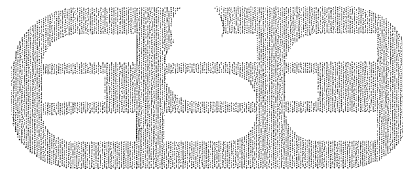
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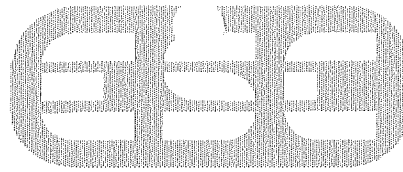
CHAIN OF CUSTODY

Phone 479-750-1170 Fax: 479-750-1172

Client Information				Project Information						Requested Parameters										
Company Name: Eureka Springs				Permit/Project #: AR#0021865/ AFIN 08-00036																
Address: 3174 E. Van Buren				Purchase Order #:																
Eureka Springs, AR 72632				Sampler Name(s): WILLIAM BALENTINE																
Telephone: (479) 253-7410				and Signature(s): <i>[Signature]</i>																
FAX: (479) 253-6974																				
ESWWTP@YAHOO.COM																				
ESC Client Number: 1505-Effluent 1508-Influent																				
Sample Identification		Sample Collection				Sample Containers				Coil										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
#1 WWTP & Creek	2310020152	10/23/23	1049	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X										
36.42014 -93.73453																				
#2 Creek at 835 Hwy 23 N	2310020153	10/23/23	1107	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X										
36.42497 -93.73669																				
#3 Creek at powerline	2310020154	10/23/23	1116	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X										
36.42518 -93.73646																				
#4 Creek at Hwy 23 crossing	2310020155	10/23/23	1121	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X										
36.4398 -93.72906																				
#5 Creek upstream	2310020154	10/23/23	1053	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X										
36.42021 -93.73473																				
Relinquished By: (Signature and Printed Name) WILLIAM BALENTINE		Date	Time	Received By: (Signature and Printed Name) Terry Perry		Date	Time	Custody Seals:												
		10/23/23	1315			10/27/23	1315	Used? <input type="checkbox"/> Intact? <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name) Terry Perry		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:												
		10/23/23	1427					Regular <input type="checkbox"/> Special <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:												
						10/23/23	1437	Yes <input type="checkbox"/> No <input type="checkbox"/>												
Comments:				FLOW DATA	Field Test	Time	Analyst	Result	Result	Units										
				Analyst:	pH:															
				Time:	Temp.:						°C	°F								
				Reading:	DO:															
				Units:	Debris:															
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 2										

01/24

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CHAIN OF CUSTODY

Phone 479-750-1170 Fax: 479-750-1172

Client Information				Project Information						Requested Parameters											
Company Name: Eureka Springs				Permit/Project #: AR#0021865/ AFIN 08-00036																	
Address: 3174 E. Van Buren				Purchase Order #:																	
Eureka Springs, AR 72632				Sampler Name(s): <i>WILLIAM BALENTINE</i>																	
Telephone: (479) 253-7410				and Signature(s):																	
FAX: (479) 253-6974																					
ESWWTP@YAHOO.COM																					
ESC Client Number: 1505-Effluent 1508-Influent																					
Sample Identification			Sample Collection			Sample Containers				Coil											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#		Li										
#6 Creek at Gaskin's	2310020157	10/23/23	1127	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X											
36.426440 -93.443830																					
#7 Creek at Hwy 187 Bridge	2310020158	10/23/23	1129	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X											
36.4456 -93.74420																					
#8 Creek at Martin Marine	2310020159	10/23/23	1139	GRAB	Water	Sterile	100 m	Na ₂ S ₂ O ₃	1	X											
36.47349 -93.76037																					
Relinquished By: (Signature and Printed Name) <i>WILLIAM BALENTINE</i>			Date	Time	Received By: (Signature and Printed Name) <i>Terrell Perry</i>			Date	Time	Custody Seals:											
			10/23/23					10/23/23	1438	Used?	<input type="checkbox"/>	Intact?	<input type="checkbox"/>								
Relinquished By: (Signature and Printed Name) <i>Terrell Perry</i>			Date	Time	Received By: (Signature and Printed Name) <i>Terrell Perry</i>			Date	Time	Turnaround:											
			10/23/23	1438						Regular	<input type="checkbox"/>	Special	<input type="checkbox"/>								
Relinquished By: (Signature and Printed Name) <i>Terrell Perry</i>			Date	Time	Received for Lab By: (Signature and Printed Name) <i>Terrell Perry</i>			Date	Time	Were samples properly preserved:											
			10/23/23	1438				10/23/23	1438	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>								
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units									
						Analyst:	pH:														
						Time:	Temp.:					°C	°F								
						Reading:	DO:														
						Units:	Debris:														
Cool all samples to 6 degrees C.								Chlorinated? Yes No			This Document is Page 2 of 2										

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