

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
MONTHLY MONITORING REPORT**

**PERMITTEE NAME**  
city of cave springs

**FACILITY NAME (IF DIFFERENT)**  
plant #2

**PERMIT NO.**  
4893-WR-3

**PERMITTEE ADDRESS**  
po box 36 cave springs ar 72718

**FACILITY ADDRESS**  
498 pebble beach

**AFIN NO.**  
04-01642

MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE. SUBMIT LAB ANALYSES WITH THIS FORM.

**WASTEWATER EFFLUENT MONITORING PERIOD**  
FROM 

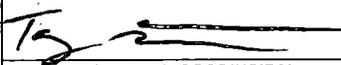
MM/DD/YYYY
9/1/2017

 TO 

MM/DD/YYYY
9/30/2017

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE		6.8	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	_____	2	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	7.1	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	8.5	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	*****	6	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	57.6	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH3N) EFFLUENT GROSS VALUE	*****	4.3	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO3N = NO2-N) EFFLUENT GROSS VALUE	*****	50	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE	*****	70.3	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		1.81	0.08			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Tony Merworth</b> Billy Taylor water sewer superintendent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE	DATE	
			479 378-2555 7217244	10/06/2017	
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

ADEQ Form Revised December 13, 2005

# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1709020055  
 Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2  
 Customer/Permit No. : 2379 / 4893-WR-2 002  
 Report Date : 09/12/17

Sample Date : 09/06/17  
 Sample Time : 1105  
 Sample Type : GRAB  
 Sample From : EFFLUENT

Collected By: JCB  
 Delivery By : JCB  
 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>	<u>% Recovery</u>
09/06	1435	TSB	Ammonia Nitrogen	4.3 mg/L		SM 1997 4500-NH3 F	0.00	106.6 *
09/07	1345	TSB	Total Kjeldahl Nitrogen	57.60 mg/L		02/2014 HACH 10242	0.00	102.0 *
09/07	1030	TSB	Nitrate Nitrogen	48.67 mg/L		SM 2000 4500-NO3 E	0.82	100.8 *
09/07	0830	TSB	Nitrite Nitrogen	1.330 mg/L		SM 2000 4500 NO2 B	0.57	102.3 *
09/06	1105	JCB	pH	7.1 S.U.		SM 2000 4500-H+ B	0.00	N/A *
09/07	0915	TSB	Phosphorous, Total (as P)	6.8 mg/L		EPA 365.3	0.00	102.2 *
09/11	1430	JCB	Solids, Total Suspended	8.5 mg/L		SM 1997 2540 D	25.55	N/A *
09/06	1520	AEU	Coliform, Fecal	6 /100ml		SM 9222 D 1997	33.33	N/A
09/06	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	0.00	75.0 *
09/07	1140	AEU	Solids, % Total by mass	0.056 %		SM 1997 2540 G	1.77	N/A
09/11	1200	TSB	Nitrogen, Plant Available	70.3 mg/L		SM 1997 4500-N		
09/06	1105	JCB	Sample Collection/Travel	1 each				

\* 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 Richard Brown  
 Environmental Services Co., Inc.



**CAVE SPRINGS WATER DEPARTMENT**

P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

**RETURN SERVICE REQUESTED**

NORTHWEST AR. F.S.D.F.

AR 727 1 L

21 OCT 2017 PM



ADEQ  
Enforcement Section/Water Div.  
5301 Northshore Drive  
North Little Rock, AR 72118

7211895317

