

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

PERMITTEE NAME
City of Cave Springs
PERMITTEE ADDRESS
PO Box 36 Cave Springs, Ar 72718

FACILITY NAME (IF DIFFERENT)
Plant #2
FACILITY ADDRESS
498 Pebble Beach dr

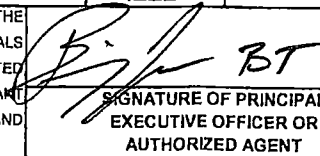
PERMIT NO.
4893-WR-3
AFIN NO.
04-01642

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

WASTEWATER EFFLUENT MONITORING PERIOD		
MM/DD/YYYY	TO	MM/DD/YYYY
FROM 05/01/2017		05/31/2017

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	1.9	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	_____	2.9	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	7.6	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	7.5	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	_____	3200	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	8.80	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ -N) EFFLUENT GROSS VALUE	*****	2.2	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ -N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	6.2	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		10.4	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		1.31	.222			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Billy Tyler 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	721-7244	06/01/2017
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

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: 1705020049
 Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2
 Customer/Permit No. : 2379 / 4893-WR-2 002
 Report Date : 05/25/17

Sample Date : 05/19/17
 Sample Time : 1017
 Sample Type : GRAB
 Sample From : EFFLUENT DIVERTER BX

Collected By: AEU
 Delivery By : AEU
 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>
5/19	1300	TSB	Ammonia Nitrogen	2.2 mg/L		SM 1997 4500-NH3 F	0.00	94.3 *
5/23	0930	TSB	Total Kjeldahl Nitrogen	8.80 mg/L		02/2014 HACH 10242	2.56	106.0 *
5/22	1615	TSB	Nitrate Nitrogen	5.92 mg/L		SM 2000 4500-NO3 E	2.89	97.6
5/19	1400	TSB	Nitrite Nitrogen	0.275 mg/L		SM 2000 4500 NO2 B	6.06	94.8 *
5/19	1019	AEU	pH	7.6 S.U.		SM 2000 4500-H+ B	0.00	N/A *
5/22	1545	TSB	Phosphorous, Total (as P)	1.9 mg/L		EPA 365.3	1.83	100.9 *
5/23	1345	JCB	Solids, Total Suspended	7.5 mg/L		SM 1997 2540 D	16.00	N/A *
5/19	1230	JCB	Coliform, Fecal	3200 /100ml		SM 9222 D 1997	35.90	N/A
5/19	1400	TSB	BOD, Carbonaceous	2.9 mg/L		SM 2001 5210 B	3.27	93.6 *
5/22	1125	JCB	Solids, % Total by mass	0.018 %		SM 1997 2540 G	11.11	N/A
5/25	0945	TSB	Nitrogen, Plant Available	10.4 mg/L		SM 1997 4500-N		
5/19	1019	AEU	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

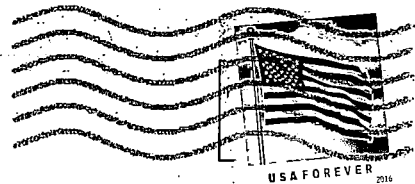
CAVE SPRINGS, ARKANSAS 72718

RETURN SERVICE REQUESTED

NORTHWEST AR P&DF

AR 727 2 T

01 JUN 2017 PM



ADEQ

Enforcement Section/Water Div.

5301 Northshore Drive

North Little Rock, AR 72118

7211805317

