

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

PERMITTEE NAME City of Cave Springs
PERMITTEE ADDRESS P.O. Box 36 Cave Springs AR 72718

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

PERMIT NO 4893-WR-2
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	TO MM/DD/YYYY
09/01/2016	09/30/2016

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) GROSS VALUE	*****	7.2	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	_____	5.5	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	6.5	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	14.4	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	_____	2200	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	21.28	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	17.0	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	49.601	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		67.9	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		1.64	.07			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tony Merworth 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.
TYPED OR PRINTED	

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE	DATE
	479 295-3013	10/03/2016
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: 1609020053	Sample Date : 09/07/16	Collected By: AU
Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2	Sample Time : 1120	Delivery By : AU
Customer/Permit No. : 2379 / 4893-WR-2 002	Sample Type : GRAB	Work Order :
Report Date : 09/14/16	Sample From : EFFLUENT DIVERTER BX	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>
09/09	1130	CLS	Ammonia Nitrogen	17.0 mg/L		SM 1997 4500-NH3 F	0.00	96.9 *
09/12	0830	AEU	Kjeldahl Nitrogen Total	21.28 mg/L		SM 1997 4500-NorgB	1.57	99.4 *
09/07	1500	CLS	Nitrate Nitrogen	48.89 mg/L		SM 2000 4500-NO3 E	0.00	97.9 *
09/07	1545	CLS	Nitrite Nitrogen	0.711 mg/L		SM 2000 4500 NO2 B	6.32	104.9 *
09/07	1122	AEU	pH	6.5 S.U.		SM 2000 4500-H+ B	0.00	N/A *
09/09	1420	CLS	Phosphorous, Total (as P)	7.2 mg/L		EPA 365.3	1.55	99.3 *
09/09	1030	JCB	Solids, Total Suspended	14.4 mg/L		SM 1997 2540 D	4.88	N/A *
09/07	1630	AEU	Coliform, Fecal	2200 /100mL		SM 9222 D 1997	0.00	N/A *
09/07	1400	RHB	BOD, Carbonaceous	5.5 mg/L		SM 2001 5210 B	3.60	101.3 *
09/08	0800	JCB	Solids, % Total by mass	0.047 %		SM 1997 2540 G	16.39	N/A *
09/13	0915	TSB	Nitrogen, Plant Available	67.9 mg/L		SM 1997 4500-N		

* 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

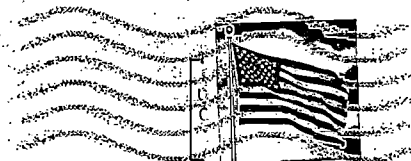
CAVE SPRINGS, ARKANSAS 72718

RETURN SERVICE REQUESTED

NORTHWEST AIR PSIDE

AR 727 2 1

SEP 27 2016 PM



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

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