

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

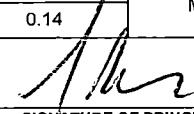
FACILITY ADDRESS
498 pebble beach

AFIN NO.
04-01642

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

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY	TO	MM/DD/YYYY
FROM 10/1/2017		10/31/2017

TREATED WASTEWATER EFFLUENT SAMPLING							
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE		7.2	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	6.2	S.U.	ONCE/MONTH	GRAB		
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	2.5	MG/L	ONCE/MONTH	GRAB		
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	*****	1200	N/100 ML	ONCE/MONTH	GRAB		
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	19.36	MG/L	ONCE/MONTH	GRAB		
NITROGEN, AMMONIA TOTAL (AS NH3N) EFFLUENT GROSS VALUE	*****	17.3	MG/L	ONCE/MONTH	GRAB		
NITROGEN, NITRATE + NITRITE (AS NO3N = NO2-N) EFFLUENT GROSS VALUE	*****	37.4	MG/L	ONCE/MONTH	GRAB		
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE	*****	55.3	MG/L	ONCE/MONTH	GRAB		
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW	
		2.25	0.14				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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	
steven burgess water/sewer director				479	2954001	11/1/2017	
				AREA CODE	NUMBER	MM/DD/YYYY	
TYPED OR PRINTED							
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: 1710020060	Sample Date : 10/03/17	Collected By: AEU
Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2	Sample Time : 0956	Delivery By : AEU
Customer/Permit No. : 2379 / 4893-WR-2 002	Sample Type : GRAB	Work Order :
Report Date : 10/11/17	Sample From : EFF DIVERTER BOX	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>
10/03	1500	TSB	Ammonia Nitrogen	17.3 mg/L		SM 1997 4500-NH3 F	0.00	96.8 *
10/10	0800	TSB	Total Kjeldahl Nitrogen	19.36 mg/L		02/2014 HACH 10242	0.68	99.3 *
10/03	1545	TSB	Nitrate Nitrogen	33.62 mg/L		SM 2000 4500-NO3 E	1.69	100.8 *
10/03	0945	TSB	Nitrite Nitrogen	3.780 mg/L		SM 2000 4500 NO2 B	3.59	107.7 *
10/03	1000	AEU	pH	6.2 S.U.		SM 2000 4500-H+ B	0.00	N/A
10/05	1215	TSB	Phosphorous, Total (as P)	7.2 mg/L		EPA 365.3	0.00	103.6 *
10/03	1602	AEU	Solids, Total Suspended	< 2.5 mg/L		SM 1997 2540 D	22.60	N/A *
10/03	1430	AEU	Coliform, Fecal	1200 /100ml		SM 9222 D 1997	0.00	N/A *
10/04	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	0.82	96.1 *
10/05	0845	AEU	Solids, % Total by mass	0.044 %		SM 1997 2540 G	2.81	N/A *
10/10	1545	TSB	Nitrogen, Plant Available	55.3 mg/L		SM 1997 4500-N		
10/03	1000	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

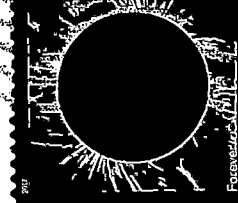
RETURN SERVICE REQUESTED

NORTHWEST AIR PSIDE

NOV 20 2017

08:10 PM

Total Solar Eclipse



ADEQ

Enforcement Section/Water Div.

5301 Northshore Drive

North Little Rock, AR 72118

7211835317

