

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


PERMITTEE NAME
City of Cave Springs
PERMITTEE ADDRESS
PO Box 5 Cave Springs AR 72718

FACILITY NAME (IF DIFFERENT)
City of Cave Springs WWTS
FACILITY ADDRESS
The Creeks Golf Course 1499 S Main St Cave Springs AR 72718

PERMIT NO.
4893-WR-2
AFIN NO.
04-01642

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
10/1/2018	10/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Carbonaceous Biochemical Oxygen Demand (CBODs)	15	< 2	mg/l	GRAB SAMPLE ONCE A MONTH	Prior to the 15th of the following month
Total Suspended Solids (TSS)	15	9	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	26	colonies/100ml		
pH	6.0 - 9.0	6.6	s.u.		
Total Phosphorus (TP)	REPORT	7.56	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	19.1	mg/l		
Ammonia Nitrogen (NH ₃ -N)	REPORT	14.3	mg/l		
Nitrate Nitrogen (NO ₃ - N)	REPORT	44.8	mg/l		
Nitrite Nitrogen (NO ₂ - N)	REPORT	0.143	mg/l		
Total Solids	REPORT	0.053	Percentage (%)		
Plant Available Nitrogen (PAN)	REPORT	60.7	mg/l		
Flow Monthly Total	REPORT	2.547137	MGD		
Flow Daily Maximum	REPORT	0.096609	MGD		

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
			(479) 530-5926	11/2/2018
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: 1810020045	Sample Date : 10/03/18	Collected By: NTR
Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2	Sample Time : 1247	Delivery By : NTR
Customer/Permit No. : 2379 / 4893-WR-2 002	Sample Type : GRAB	Work Order :
Report Date : 10/11/18	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>
10/04	0945	TSB	Ammonia as N, (HACH 10205)	14.30 mg/L		SM 2011 4500-NH3 F	3.34	95.0 *
10/09	0830	TSB	Total Kjeldahl Nitrogen	19.1 mg/L		02/2014 HACH 10242	1.17	99.0 *
10/04	1530	TSB	Nitrate Nitrogen	44.80 mg/L		01/2013 HACH 10206	0.00	106.4 *
10/04	0845	TSB	Nitrite Nitrogen	0.143 mg/L		06/2017 HACH 10207	1.54	106.4 *
10/03	1253	NTR	pH	6.6 S.U.		SM 2000 4500-H+ B	0.00	N/A *
10/05	1400	TSB	Phosphorous, Total (as P)	7.560 mg/L		EPA 365.3	1.18	110.0 *
10/09	1200	TSB	Solids, Total Suspended	9.0 mg/L		SM 1997 2540 D	4.26	N/A *
10/03	1400	VLP	Fecal Coliform	26.4 /100ml		06/2012 Colilert18	0.00	0.0 *
10/03	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	10.68	112.7 *
10/08	1630	TSB	Solids, % Total by mass	0.053 %		SM 1997 2540 G	2.74	N/A *
10/09	1510	TSB	Nitrogen, Plant Available	60.7 mg/L		SM 1997 4500-N		
10/03	1247	NTR	Sample Collection/Travel	1 each			0.00	0.0 *

* 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 
 Environmental Services Co., Inc.

