

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
NO DISCHARGE MONTHLY MONITORING REPORT**

<b>PERMITTEE NAME</b>
CITY OF CAVE SPRINGS
<b>PERMITTEE ADDRESS</b>
PO Box 5 Cave Springs AR 72718

<b>FACILITY NAME</b>
CAVE SPRINGS WASTEWATER TREATMENT PLANT
<b>FACILITY ADDRESS</b>
The Creeks Golf Course 1499 S Main St Cave Springs AR 72718

<b>PERMIT NO.</b>
4893-WR-3
<b>AFIN NO.</b>
04-01642

<b>MONITORING PERIOD</b>		
MM/DD/YYYY	TO	MM/DD/YYYY
4/1/2019		4/30/2019

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS						
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	< 2.6		MG/L	Once per Month / Grab	
TOTAL SUSPENDED SOLIDS (TSS)	45	4.1		MG/L		
FECAL COLIFORM BACTERIA (FCB)	10,000	< 1		COLONIES/100ml		
pH	6.0 - 9.0	6.7		s.u		
TOTAL PHOSPHOROUS (TP)	Report	7.57		MG/L		
TOTAL KJELDAHL NITROGEN (TKN)	Report	18		MG/L	Once per Quarter / Grab	
NITROGEN AMMONIA NITROGEN (NH <sub>3</sub> - N)	Report	17.6		MG/L		
NITRITE NITROGEN (NO <sub>2</sub> - N) + NITRATE NITROGEN (NO <sub>3</sub> - N)	Report	38.4		MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	56.1		MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD		
		3.058467 MG	0.259799 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.			TELEPHONE		DATE
Kathy Bartlett				479	790-3813	5/2/2019
TYPED OR PRINTED				AREA CODE	NUMBER	MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)						

**TABLE II**

**DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS**

						<b>DAILY MAXIMUM FLOW TOTAL</b>	<b>259,799</b>
<b>Zone ID</b>	<b>Limit</b>	<b>Units</b>	<b>Maximum Volume Limit</b>	<b>Units</b>	<b>Monitoring</b>	<b>Reported Maximum</b>	
Leach Field 1	0.55	gpd/ft <sup>2</sup>	26,000	gpd	Daily	18706	
<i>Zone 1</i>	0.42		19,524			<i>zones not being used</i>	
<i>Zone 2</i>	0.45		19,309				
<i>Zone 3</i>	0.4		16,424				
<i>Zone 4</i>	0.46		10,811				
Zone 5	0.2		13,059			9613	
Zone 6	0.2		7,723			5716	
Zone 7	0.2		10,910			7794	
Zone 8	0.3		7,081			5196	
Zone 9	0.4		18,291			13250	
Zone 10	0.3		9,450			6755	
Zone 11	0.2		4,110			3118	
Zone 12	0.4		7,522			5456	
Zone 13	0.25		5,717			4157	
Zone 14	0.15		6,097			4417	
Zone 15	0.2		8,378			6236	
Zone 16	0.4		9,427			6755	
Zone 17	0.23		3,694			2598	
Zone 19	0.35		13,778			9873	
Zone 20	0.2		5,766			4157	
Zone 21	0.4		17,040			12471	
Zone 22	0.5		28,113			20265	
Zone 23	0.25		15,640			11172	
Zone 24	0.25		9,547			7015	
Zone 25	0.2		4,436			3118	
Zone 26	0.3		9,334			6755	
Zone 27	0.31		16,511			11951	
Zone 28	0.31		13,018			9353	
Zone 29	0.2		3,923			2858	
Zone 30	0.55		10,116			7275	
Zone 31	0.3		5,714			4157	

# 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

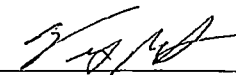
Control Number: 1904020032	Sample Date : 04/03/19	Collected By: NTR
Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2	Sample Time : 1208	Delivery By : NTR
Customer/Permit No. : 2379 / 4893-WR-3 002	Sample Type : GRAB	Work Order :
Report Date : 04/09/19	Sample From : EFFLUENT DIVERTER BX	Purchase Order :

<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>	<u>% Recovery</u>
04/03	1310	AKA	Ammonia as N, (HACH 10205)	17.60 mg/L		SM 2011 4500-NH3 F	0.00	101.8 *
04/08	0925	AKA	Total Kjeldahl Nitrogen	17.9 mg/L		02/2014 HACH 10242	6.25	98.4 *
04/03	1212	NTR	pH	6.7 S.U.		SM 2000 4500-H+ B	0.00	N/A *
04/03	1515	AKA	Phosphorous, Total (as P)	7.570 mg/L		EPA 365.3	0.65	108.0 *
04/05	1500	AKA	Solids, Total Suspended	4.1 mg/L		SM 2011 2540 D	0.78	N/A *
04/03	1654	TSB	Fecal Coliform (MPN/100mL)	< 1.0 /100ml		06/2012 Colilert18	0.00	0.0 *
04/03	1400	TSB	BOD, Carbonaceous	< 2.6 mg/L		SM 2001 5210 B	4.67	95.4 *
04/04	0930	AKA	Nitrate + Nitrite	38.40 mg/L		01/2013 HACH 10206	0.73	102.6 *
04/08	1350	AKA	Nitrogen, Plant Available	56.1 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 \_\_\_\_\_

  
 Environmental Services Co., Inc.

