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

	PERMITTEE NAME
	CITY OF CAVE SPRINGS
2 3	PERMITTEE ADDRESS
	PO Box 5
	Cave Springs AR 72718

FACILITY NAME	1
CAVE SPRINGS WASTEWATER TREATMENT	PLANT
FACILITY ADDRESS:	
The Creeks Golf Course	
1499 S Main St Cave Springs AR 72718	

200	PERMIT NO.
	4893-WR-3
- 1 - 1	AFIN NO:
	04-01642
L	

MONIT	TORING PE	RIOD
MM/DD/YYYY	ТО	MM/DD/YYYY
3/1/2019		3/31/2019

PARAMET		PERMIT LIMIT	SAMPLE MEA	SUREMENT	UNITS	FREQUENCY OF ANALYSIS SAMPLE TY				
CARBONACEOUS BIOCHEMICAL OXY	GEN DEMAND (CBOD5)	30	2.9	9	MG/L					
TOTAL SUSPENDED SOLIDS (TSS)		45	5.9	5	MG/L					
FECAL COLIFORM BACTERIA (FCB)		10,000	38		COLONIES/100ml	Once per Month / Grab				
pH		6.0 - 9.0	6.0	6	s.u					
TOTAL PHOSPHOROUS (TP)		Report	7.0)3	MG/L	1				
TOTAL KJELDAHL NITROGEN (TKN)		Report	No Re	eport	MG/L					
NITROGEN AMMONIA NITROGEN (NH 3	- N)	Report	No Re	eport	MG/L					
NITRITE NITROGEN (NO 3 - N) + NITRA	TE NITROGEN (NO 2 - N)	Report	No Re	eport	MG/L	Once per Quarter / Grat				
PLANT AVAILABLE NITROGEN (PAN)		Report	No Report		MG/L					
TOTAL FLOW		<u> </u>	MONTHLY TOTAL DAILY MAX 2,804,238 108,342		GPD					
TOTAL PLOW					615					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		AW THAT I HAVE PERSONALLY EXAM ITTED HEREIN; AND BASED ON MY		4	1	TE	ELEPHONE	DATE		
Kathy Bartlett	INFORMATION, I BELIEVE THE SU	ATELY RESPONSIBLE FOR OBTA BMITTED INFORMATION IS TRUE, ACC AT THERE ARE SIGNIFICANT PEN	CURATE, AND	SIGNATURE OF	PRINCIPAL	479	790-3813	4/2/2019		
TYPED OR PRINTED		ON, INCLUDING THE POSSIBILITY C	THE PORT OF THE PROPERTY OF TH			AREA NUMBER		MM/DD/YYYY		
COMMENTS AND EXPLANATION O	P VIOLATIONS (Reference all	attacnments nere)						·		

<u> 1 1 - 1 1 4 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	1.4 L. 1.4 L.	15	LOADING RATE LIMITS, MO			MAXIMUM FLOW TOTAL	108,34
Zone ID	Limit	Units	Maximum Volume Limit	Units	Monitoring	Reported Maximum	100,54
Leach Field 1	0.55		26,000			7801	
Zone 1	0.42	1 1	19,524	7			
Zone 2	0.45	7 1	19,309	7		zones not being used	
Zone 3	0.4	1 1	16,424			zones not being used	
Zone 4	0.46	1 1	10,811	7			
Zone 5	0.2	7	13,059	7		4009	
Zone 6	0.2	1 1	7,723	1	ÌÌ	2384	
Zone 7	0.2	7	10,910	7		3251	
Zone 8	0.3	1 [7,081	7	ļ	2167	
Zone 9	0.4	1 Г	18,291	7		5526	
Zone 10	0.3	1 [9,450	7		2817	
Zone 11	0.2	7 [4,110	7		1301	
Zone 12	0.4	7 [7,522	1	1	2276	
Zone 13	0.25] [5,717	7		1734	
Zone 14	0.15] [6,097	7	•	1842	
Zone 15	0.2	gpd/ft2	8,378	gpd	Daily	2601	
Zone 16	0.4] [9,427	7	[2817	
Zone 17	0.23		3,694		[1084	
Zone 19	0.35] [13,778		j [4117	
Zone 20	0.2		5,766]	1	1734	
Zone 21	0.4] [17,040	7	ļ .	5201	
Zone 22	0.5		28,113]	. [8451	
Zone 23	0.25] [15,640]	} [4659	
Zone 24	0.25		9,547		i ſ	2926	
Zone 25	0.2] [4,436] [1301	
Zone 26	0.3		9,334]] [2817	
Zone 27	0.31] [16,511		ĺ	4984	
Zone 28	0.31		13,018]	Ī	3901	
Zone 29	0.2		3,923	7		1192	
Zone 30	0.55		10,116	7	l t	3034	
Zone 31	0.3		5,714	1		1734	

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: 1903020031

Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2

Customer/Permit No. : 2379 / 4893-WR-3 002

Report Date : 03/13/19

Sample Date : 03/06/19

Sample Time: 1212

Sample Type : GRAB

Sample From : EFFLUENT DIVERTER BX

Collected By: NTR Delivery By : NTR

Work Order : Purchase Order :

	Quality 2	<u>Assurance</u>			
Analysis				Precision	Accuracy
Date Time By	Parameter	Result Notes	Quantity Method	% RPD	% Recovery
03/06 1217 NTR	рН	6.6 S.U.	SM 2000 4500-H+ E	0.00	N/A *
03/11 1030 AKA	Phosphorous, Total (as P)	7.030 mg/L	EPA 365.3	0.91	107.0 *
03/12 900 AKA	Solids, Total Suspended	5.5 mg/L	SM 2011 2540 D	8.47	N/A *
03/06 1630 AKA	Fecal Coliform (MPN/100mL	38.0 /100ml	06/2012 Colilert1	8 0.00	0.0 *
03/06 1400 TSB	BOD, Carbonaceous	2.9 mg/L	SM 2001 5210 B	2.14	91.0 *
03/07 ESC	Sample Collection/Travel	1 each		1	

* 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.

Environmental Services Company, Inc. Northwest Arkansas 1107 Century Street Springdale, Arkansas 72762 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas 501-221-2565

Carlsbad, New Mexico 575-887-1ESC

Phone: 479-750-1170

Fax: 479-750-1172

CHAIN OF CUSTODY

Phone: 479-750-1170	Fax: 479-750-1172		Gr	IAIN C	JE CU	210	UT									
Client Information					Pr	oject Inf	ormation			\Box	F	Reque	estec	Para	mete	rs
Company Name:	Cave Springs	Plant 2		Permit/Pr	oject#:			 								
Address: PO BOX 5				Purchase	Order #:											
	Cave Springs	72718								ı				1 1		
Telephone:	479 248-1040			Sampler Name(s): And Signature(s): Mul (Zyerson									
FAX:]				,				<u> </u>				
				and Signa	and Signature(s):		Nu	Pares				TSST TSST		1		
ESC Client Number:	2379			1				0				<u></u>	(52)	1		
Sample Ider	ntification		Sample	Collection			Sample (Container	·s		pH(23)	Fecal Coliform(43.IF)	Total P (
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preserv	ative	#	Ha	in in	Tota			
Effluent Diverter Box	1903020031	3-6-19	1212	Grab	Water	Teflon	150 ml	none		1	х					
	\			Grab	Water	whiripak	300 ml	none/ice		1		x				
,				Grab	Water	Plastic	0.5 gal	none/ice		1)				
				Grab	Water	Plastic	8 oz	H₂SO₄,pH	l <2	1			х			
			•													
Relinquished By: (Signature and Printe	ed Name)	Date	Time	Received By: (Signature and Printed Name) Date Time					Justod Jsed?	ustody Seals:			7			
Relinquished By: (Signature and Printe	d Name)	Date	Time	Received By: (Signature and Printed Namo) Dale Time				·	Turnard	ound:	Intact?			 		
Relinauished Bw: TSionature and Printed Name) Date Time			Time						Regula Nere s			Specia y preserv				
Relinquished By Tsignature and Printed Name) Date Time 3-6-(9 1300			Alexan	in Al	exis And		3-6-19	1300		<u>Y</u>	'es)	\Box	N	lo	1_	
Comments:	···	FLOW D. Analyst:	ATA	Field Test pH:	Time 1217	Analys		Result		sult	2	Inits				
					Time:		Temp.:	12.7	NA		6. (N.	9 1	2.0	(C)	u F	
					Reading:		DO:									
	Cool all samples to 6 de	ogrees C			Onits.			7 Yes N	L		This I	Ocum	ent ic	Pane) Of	
		Reading: Units:		Debris: Chlorinated	? Yes N	No		This [Docum	ent is	s Page	1	_of			