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

RERMITTEE NAME	FACILITY		PERMIT NO.				
City of Cave Springs PERMITTEE ADDRESS	CONTRACTOR OF ACC	Plant #2 ILITY ADDRESS		4893-WR-3 AFIN NO			
PO Box 36		Pebble Beach dr		04-01642			
Cave Springs, Ar 72718	L						
MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE, SUBMIT LAB ANALYSES WITH THIS	MM/DD/YYYY	EFFLUENT MONITORING PERIOD					
FORM. FROM		TO 05/31/20:					
		REFFLUENT SAMPLING					
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	****	1.9	MG/L	ONCE/ MONTH	GRAB		
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE		2.9	MG/L	ONCE/ MONTH	GRAB		
PH EFFLUENT GROSS VALUE	6 to 9	7.6	S.U.	ONCE/ MONTH	GRAB		
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		7.5	MG/L	ONCE/ MONTH	GRAB		
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE		3200	N/100 ML	ONCE/ MONTH	GRAB		
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	8.80	MG/L	ONCE/ MONTH	GRAB		
NITROGEN, AMMONIA TOTAL (AS NH₃N) EFFLUENT GROSS VALUE	****	2.2	MG/L	ONCE/ MONTH	GRAB		
NITROGEN, NITRATE + NITRITE (AS NO₃N + NO₂-N) EFFLUENT GROSS VALUE	***	6.2	MG/L	ONCE/ MONTH	GRAB		
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		10.4 MG/L		ONCE/ MONTH	GRAB		
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL DAILY MAX  1.31 .222	MGD	ONCE/ MONTH	TOTAL FLOW		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I		TELEPHONE	DATE				
Billy Tyler  Water/Sewer Superintenden the formation submitted herein; and employed the formation is true, accurate, and compensation is true, accurate, and compensations for submitting false information.	BT PRINCIPAL	479 721-7244	7244 06/01/2017				
IMPRISONMENT.	Y OF FINE AND EXECUTIVE O		AREA NUMBER	MM/DD/YYYY			
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all atta	achments here )			<u> </u>	·· <u>·</u>		

#### 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

untrol Number: 1705020049

istomer Name : CAVE SPRINGS, CITY OF OUTFALL 2

Sample Date : 05/19/17

Collected By: AEU

Sample Time: 1017

Delivery By : AEU

istomer/Permit No.: 2379 / 4893-WR-2 002

Sample Type : GRAB

Work Order :

port Date : 05/25/17

Sample From : EFFLUENT DIVERTER BX

Purchase Order :

<u> Laboratory Analysis</u>							Assurance
Analysis						Precision	Accuracy
te Time By	<u>Parameter</u>	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
/19 1300 TSB	Ammonia Nitrogen	2.2	mg/L		SM 1997 4500-NH3 F	0.00	94.3 *
i/23 0930 TSB	Total Kjeldahl Nitrogen	8.80	mg/L		02/2014 HACH 10242;	2.56	106.0 *
1/22 1615 TSB	Nitrate Nitrogen	5.92	mg/L		SM 2000 4500-NO3 E	2.89	97.6
/19 1400 TSB	Nitrite Nitrogen	0.275	mg/L		SM 2000 4500 NO2 B	6.06	94.8 *
/19 1019 AEU	рН	7.6	s.u.		SM 2000 4500-H+ B	0.00	N/A *
/22 1545 TSB	Phosphorous, Total (as P)	1.9	mg/L		EPA 365.3	1.83	100.9 *
/23 1345 JCB	Solids, Total Suspended	7.5	mg/L		SM 1997 2540 D	16.00	N/A *
/19 1230 JCB	Coliform, Fecal	3200	/100ml		SM 9222 D 1997	35.90	N/A
/19 1400 TSB	BOD, Carbonaceous	2.9	mg/L		SM 2001 5210 B	3.27	93.6 *
/22 1125 JCB	Solids, % Total by mass	0.018	૪		SM 1997 2540 G	11.11	N/A
/25 0945 TSB	Nitrogen, Plant Available	10.4	mg/L		SM 1997 4500-N		•
/19 1019 AEU	Sample Collection/Travel	1	each				

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.

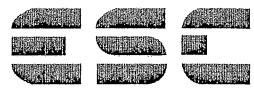
Environmental Services Co., Inc.

<sup>\*</sup> QA data shown is from a different sample or standard on the same date.

#### Environmental Services Company, Inc. Northwest Arkansas 1107 Century Street Springdale, Arkansas 72762

website: www.esclabs.com

Eav: 470 750 4472 Dhana: 470 750 1170



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

Carlsbad, New Mexico 575-887-1ESC

### CHAIN OF CUSTODY

Phone: 479-750-1170	rax. 479-750-1172		<u> </u>			<i>7</i> 1												
Client Information				Project Information					Requested Parameters									
Company Name:	Cave Springs	Plant 2		Permit/Project #:										8				
Address:	PO BOX 5	Purchase		Purchase	ase Order #:								03(1					
<del></del>	Cave Springs	72718	72718							$\cap$		(19	Ž	32)				
Telephone:	479 248-1040			Sampler Name(s):			rer U	y Unobascook			$\cup$		S S	(16.4	ds(8	1		
FAX:							$\supset$	7 /			フ	(43)	28),	X	Soli			
				and Signat	ture(s):							E	.28(	(25),	, %	İ		
ESC Client Number:	2379									Coliform(43)	CBOD(70),TSS(28),NO2(19)	NH3(15.A), P(25),TKN(16.A), NO3(18)	PAN(99.99), %Solids(82)		ı			
Sample Ide	entification		Sample	Collection S		Sample Containers			(23)	<u>ia</u>	20(	(15.)	6)	ĺ				
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preserva	tive	#	H H	Fecal (	CB	E E	PA			
Effluent Diverter Box	170406004	5/9/17	1017	Grab	Water	Teflon	150 ml	none		1	х							
	1	7	i i	Grab	Water	whirlpak	300 ml	none/ice		1		x						
	7			Grab	Water	Plastic	1 qt	none/ice		1			х		х			
		1		Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1				х				
		,							,			, , , , ,						
Relinguished By: (Signature and Pri	etabe Indoway	5/9/17	12/58	Received By: (Signature and Printed Name)			Date	1 1		Custo Used	tody Seals: d? \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
Relinquished By: (Signature and Printed Name)		Time	Received By: (Signature and Printed Name) Date Time		ł	Turna	round	11.	·			l	$\dashv$					
Relinquished By: (Signature and Printed Name) Date Time		Received fol Lab By: (Signature and Printed Name)		5) 1	▶ Date			Regul Were	ular Special Special samples properly preserved:									
		hments	Received for Lab By: Signature and Printed Name		160	51947	11000			Yes X				No				
Comments:		FLOW DATA		Field Test pH:	Time	Analyst AFU			Result Result Units									
			Analyst: Time:		Temp.:	Mich	71/	20	do	12	20		<del>(C)</del>		'F	$\dashv$		
Reading:				DO:		<u>_</u>		<u> </u>		-44	<del>''</del>	ك		<u> </u>	-			
					Units:		Debris:											
Cool all samples to 6 degrees C.					Chlorinated	? Yes N	0		This	Doc	ume	nt is	Page	I	of <u></u>			
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# CAVE SPRINGS WATER DEPARTMENT P.O. Box 5 CAVE SPRINGS, ARKANSAS 72718 RETURN SERVICE REQUESTED



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