## 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

	4	FACILITY NAME (IF DIFFERENT)	
		City of Cave Springs WWTS	
<del></del>	-	FACILITY ADDRESS	4.2
		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								
10/31/2018								
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PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting			
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	< 2	mg/l					
Total Suspended Solids (TSS)		15	9	mg/l					
Fecal Coliform Bacteria (FCB)		10,000	26	colonies/100ml					
рН		6,0 - 9.0	6.6	s.u.					
Total Phosphorus (TP)		REPORT	7.56	mg/l					
otal Kjeldahl Nitrogen (TKN)		REPORT	19.1	mg/l		Prior to the 15th of the following month			
Ammonia Nitrogen (NH3-N)		REPORT	14.3	mg/l	GRAB SAMPLE ONCE A MONTH				
Nitrate Nitrogen (NO3 - N)		REPORT	44.8	mg/l					
Nitrite Nitrogen (NO2-N)		REPORT	0.143	mg/l					
Total Solids		REPORT	0.053	Percentage (%)					
Plant Available Nitrogen (PAN)		REPORT	60.7	mg/i					
Flow Monthly Total		REPORT	2.547137	MGD					
Flow Daily Maximum		REPORT	0.096609	MGD					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		   PENALTY OF LAW THAT I HAVE PERS   EIN; AND BASED ON MY INQUIRY OF TI			Ken Desur	Telephone	Date		
Ken Gregory  TYPED OR PRINTED		RMATION, I BELIEVE THE SUBMITTED I ERE ARE SIGNIFICANT PENALTIES FOR POSSIBILITY OF FINE A	R SUBMITTING FALSE INFORMATION,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(479) 530- 5926	11/2/2018			

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

Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2

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

Report Date : 10/11/18

Sample Date : 10/03/18

Sample Time: 1247

Sample Type : GRAB

Sample From : EFFLUENT DIVERTER BX

Collected By: NTR Delivery By : NTR

Work Order : Purchase Order :

	Quality Assurance					
Analysis	•				Precision	Accuracy
<u>Date Time By</u>	Parameter	Result No	otes Quantity	Method	% RPD	% Recovery
10/04 0945 TSB	Ammonia as N, (HACH 10205)	14.30 mg/L		SM 2011 4500-NH3 F	3.34	95.0 *
		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		106.4 *
		0.143 mg/L		06/2017 HACH 10207		106.4 *
10/03 1253 NTR	рн	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	2.71	М/Д
10/03 1247 NTR	Sample Collection/Travel	1 each		1300 1	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.

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









Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Fax: 479-750-1172		CI	IAIN	Jr GU	210	זע									
Client Information					Project Information					Requested Parameters					
Cave Springs	Plant 2		Permit/Project #:							Ó	0				
Address: PO BOX 5				Purchase Order #:									3		
Cave Springs 72718										•	2 3	·   [	27		
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			and Signature(s):		Ness Plane					E	SS(	( )	8		
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Sample Identification Sample		Sample	Collection		Sample Containers				23)	a   a	) (4)				
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1810020645	10-3-18	1247	Grab	Water	Teflon	150 ml	none		1	x					
	1		Grab	Water	whirlpak	300 ml	none/ice		1		x				
			Grab	Water	Plastic	0.5 gal	none/ice		1			х	,		
			Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1				x		
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d Name)	Date	Time	Received By: (Signature and Printed Name)				Date	Time		Turnaround:		Iacl 7			
Relinquished 8v/(Signature and Printed Neme) Date Time			Received for Lab By: (Signature and Printed Name)		191	Date	Date Time								
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3 - 18 / 2 4 7 Grab Water Teflon 150 ml  Grab Water Whirlpak 300 ml  Grab Water Plastic 0.5 gal  Grab Water Plastic 8 oz  Analyst: Plant Time Received By: (Signature and Printed Name)  ENeme)  Date Time Received By: (Signature and Printed Name)  FLOW DATA Field Test  Analyst: DH: Time: Temp:: Reading: DO:	Client Information  Cave Springs Plant 2 Permit/Project #: PO BOX 5 Cave Springs 72718  479 248-1040  Sampler Name(s):  and Signature(s):  2379  ntification  Sample Collection  Sample Container  ESC Control # Date Time Type Matrix Type Volume Preserv  1810020645 /6-3-18 12-47 Grab Water Teflon 150 ml none  Grab Water Whirlpak 300 ml none/ice  Grab Water Plastic 0.5 gal none/ice  Grab Water Plastic 8 oz HzSO4,PH  Grab Water Plastic 8 oz HzSO4,PH  Grab Water Plastic 8 oz HzSO4,PH  Time Received By: (Signature and Printed Name)  Date Time Received By: (Signature and Printed Name)  Date Time Received By: (Signature and Printed Name)  Date Time Received By: (Signature and Printed Name)  FLOW DATA Field Test Time  Analyst: Time: Temp:: 12.53  Reading: DO:	Client Information  Cave Springs Plant 2 Permit/Project #: PO BOX 5 Purchase Order #:  Cave Springs 72718  479 248-1040 Sampler Name(s):  and Signature(s):  2379  ntification Sample Collection Sample Containers  ESC Control # Date Time Type Matrix Type Volume Preservative  1810 0 206 4 5 / 0 - 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