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

	PERM	ITTEEN	AME	
C174	or co	ve ?	spring	5
	PERMIT	IEE/ADI	RESS	
PO.BO	x36	AR	7271	4
MAKE ADD		911	THIS EOD	

MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE. SUBMIT LAB ANALYSES WITH THIS FORM.

STRUCTURE TO THE STRUCTURE OF THE STRUCT		
IF/A/GI	LITY NAME (IF DIF	FERENT)
	DIGA+ #6	2
	FACILITY ADDRE	SS
498	Pebble Be	each
WASTEWA	TEREFELUENT/MO	NITORING PERIOD
MM/DD/YYYY		MM/DD/YYYY

#893-WR-2 AFIN NO O4-01642

FORM. FROM	FROM 12 01/2016				•				
	TREATIED WASTEWATI	TO 12/31/20 ER EFFLUENT SAMPLING							
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	****	6.9	. MG/L	ONCE/ MONTH	GRAB				
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE		4.3	MG/L	ONCE/ MONTH	GRAB				
PH EFFLUENT GROSS VALUE	6 to 9	6.7	S.U.	ONCE/ MONTH	GRAB				
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		5.5	MG/L	ONCE/ MONTH	GRAB				
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE		358	N/100 ML	ONCE/ MONTH	GRAB				
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	****	23.52	MG/L	ONCE/ MONTH	GRAB				
NITROGEN, AMMONIA TOTAL (AS NH₃N) EFFLUENT GROSS VALUE	*****	13.0	MG/L	ONCE/ MONTH	GRAB				
NITROGEN, NITRATE + NITRITE (AS NO₃N + NO₂-N) EFFLUENT GROSS VALUE	****	47.033	MG/L	ONCE/ MONTH	GRAB				
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		63.2	MG/L	ONCE/ MONTH	GRAB				
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE		MONTHLY TOTAL DAILY MAX 1, 7, 7, 06, 9	MGD	ONCE/ MONTH	TOTAL FLOW				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I	HAVE PERSONALLY EXAMINED AND	AM WITH THE		TELEPHONE	DATE				
WEXER/Sewer Superial INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS WEXER/Sewer Superial INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT SIGNATURE OF PRINCIPAL 479 295-303 01/03/									
Itt topology to test test				AREA NUMBER	MM/DD/YYYY				
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here) All reads were 10st for 12/1/2016 thru 12/15/2016 elid an average for those clates. Please Gall if any questions May arise.									

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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: 1612020107

Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2

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

Report Date : 12/14/16

Sample Date : 12/06/16

Sample Time : 1110

Sample Type : GRAB

Sample From : EFFLUENT DIVERTER BX

Collected By: AU Delivery By : AU

Delivery By : Al Work Order :

Purchase Order :

	Laboratory Analysis					
Analysis				Precision	Accuracy	
Date Time By	Parameter	Result Notes	Quantity Method	_ % RPD	% Recovery	
12/08 1300 TSB	Ammonia Nitrogen	13.0 mg/L	SM 1997 4500-NH3 F	0.00	100.8 *	
12/13 0820 AEU	Kjeldahl Nitrogen Total	23.52 mg/L	SM _V 1997 4500-NorgB	3.92	91.1 *	
12/08 1500 TSB	Nitrate Nitrogen	46.60 mg/L	SM 2000 4500-NO3 E	0.75	99.3 *	
12/08 1400 TSB	Nitrite Nitrogen	0.433 mg/L	SM 2000 4500 NO2 B	6.33	96.0 *	
12/06 1116 AEU	рН	6.7 S.U.	SM 2000 4500-H+ B	0.00	N/A *	
12/09 0800 TSB	Phosphorous, Total (as P)	6.9 mg/L	EPA 365.3	3.39	101.5 *	
12/13 1000 AEU	Solids, Total Suspended	5.5 mg/L	SM 1997 2540 D	0.00	N/A *	
12/06 1340 JCB	Coliform, Fecal	358 /100ml	SM 9222 D 1997	66.67	N/A *	
12/07 1400 TSB	BOD, Carbonaceous	4.3 mg/L	SM 2001 5210 B	1.70	104.2 *	
12/09 0830 JCB	Solids, % Total by mass	0.056 %	SM 1997 2540 G	2.60	N/A *	
12/14 1850 AEU	Nitrogen, Plant Available	63.2 mg/L	SM 1997 4500-N	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

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

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Phone: 479-750-1170	Fax: 479-750-1172		CI	JAIN C				<u> </u>	· · · · · · · · · · · · · · · · · · ·								
Client Information				Project Information			Requested Parameters										
Company Name:	Cave Springs Plant 2		Permit/Pro	Permit/Project #:				- 2 2				(38)					
Address:	PO BOX 5			Purchase Order #:		10 30 34				6	Š						
	Cave Springs	72718	72718				1 1	1				2(1)	₹	(82)			
Telephone:	479 248-1040			Sampler N	lame(s):	(s): Amber U		Indown/				2	4(16	lids			
FAX:	· · ·				and Signature(s):					,	(43)	(28)	¥	650			
				and Signa							lo Lu	TSS	(25)	6,'6			
ESC Client Number:	2379						ب	The contract of the contract o		7		(6)	Ą.	9.6			-
Sample Ide	ntification		Sample	Collection	Sample C		Container	s	33	Fecal Coliform(43)	CBOD(70),TSS(28),NO2(19)	NH3(15.A), P(25),TKN(16.A), NO3(18)	PAN(99.99), %Solids(82)				
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	ative #	¥ Ĭ	Fec) B	불	PA			
Effluent Diverter Box	161090107	12 Keliy	1110	Grab	Water	Teflon	150 ml	none	1	х							
]	1 '1'	1	Grab	Water	whirlpak	300 ml	none/ice	1		x						
				Grab Water		Plastic 1 qt	none/ice 1				x		x				
		1		Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2 1		T		х				
					-						\Box						
																	_
7										-			<u> </u>				
Relinquished By: (Signature and Printe	ed Names	Dale	Time	Received By: (Si	gnature and Printe	d Name)	<u> </u>	Date	Time	Cust	tody Se	als:	1	Intac	l		
Relinquished By: (Signature and Printe	ad Name)	A AJOUIC	Time	Received By: (Signature and Printed Name)			 	Date	Time		around	<u></u>	<u> </u>	ınıacı	atr .	<u> </u>	
D. Frankland R. (Circulate and Driet		Time	Received for Lab By: (Signature and I		4 Drietard Massa		Dale	Time		ular	ar X Spe samples properly pres		Spec				
Relinquished By: (Signature and Printed Name) Date		Date	ime	All la 2	Egent.	John	Rvd	Date 12/6/16	1246		Yes 💢			No			
Comments:				FLOW DATA		Field Test	Time	Analyst						Units	3		
					Analyst:		pH: Temp.:	1110	AEU		,7 .0	19	7	(°C) °F			
					Reading:		DO:	11.10	WELL.	115	+-4-	T'-	<u> </u>	V			
				Units:		Debris:											
Cool all samples to 6 degrees C.							Chlorinated	? Yes N	lo	Thi	s Doo	sume	ent is	Page	a 1	ofl	

OCIFORMSICHAIN.XLS

CAVE SPRINGS WATER DEPARTMENT P.O. Box 5 CAVE SPRINGS, ARKANSAS 72718 RETURN SERVICE REQUESTED

USA FOREVER 2017

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

72)19+5317

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