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	
 PERMITTEE ADDRESS	
 PO Box 5	
 Cave Springs AR 72718	

FACILITY NAME
CAVE SPRINGS WASTEWATER TREATMENT PLANT
FACILITY ADDRESS
FACILITY ADDRESS

4893-WR-3 AFIN NO. 04-01642 The Creeks Golf Course 1499 S Main St Cave Springs AR 72718

PERMIT NO.

MO	NITORING	PERIOD		
MM/DD/YYYY	ТО		MM/DD/YYYY	
2/1/2020			2/29/2020	

EFFL	UENT LIMITS, MONITORING, A	ND REPORTING R	EQUIREMENT	S							
PARAMETER	PERMIT LIMIT	SAMPLE MEA		UNITS		QUENCY OF	SAMPLE TYPE				
		Plant 1	Plant 2		Al	NALYSIS					
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	< 2.0	6.5	MG/L							
TOTAL SUSPENDED SOLIDS (TSS)	45	6	26	MG/L							
FECAL COLIFORM BACTERIA (FCB)	10,000	97	> 24196.0	COLONIES/100ml		Once per Mon	th / Grab				
рН	6.0 - 9.0	7.8	7	s.u							
TOTAL PHOSPHOROUS (TP)	Report	7.06	7.05	MG/L							
TOTAL KJELDAHL NITROGEN (TKN)	Report	16.78	17.50	MG/L							
NITROGEN AMMONIA NITROGEN (NH 3 - N)	Report	9.25	12.7	MG/L		Once per Quarter / Grab					
NITRITE NITROGEN (NO 3 - N) + NITRATE NITROGEN (NO 2 - N)	Report	42.2	42	MG/L		one per quarter results					
PLANT AVAILABLE NITROGEN (PAN)	Report	53.7	56.1	MG/L							
		MONTHLY TOTAL	DAILY MAX	GPD		<u> </u>					
TOTAL FLOW		3,375,707	132,796	GPD !							
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THOSE INDIVIDUALS IMMEDI	ITTED HEREIN; AND BASED ON MY ATELY RESPONSIBLE FOR OBTA IBMITTED INFORMATION IS TRUE, AC-	INQUIRY OF AINING THE CURATE AND	muli	utt	479	530-5926	3/13/2020				
Kathy Bartlett COMPLETE. I AM AWARE TH	IAT THERE ARE SIGNIFICANT PEN	ALTIES FOR	SIGNATURE OF								
TYPED OR PRINTED SUBMITTING FALSE INFORMATION IMPRISONMENT.	ON, INCLUDING THE POSSIBILITY O	OF FINE AND	EXECUTIVE O AUTHORIZE		AREA CODE	NUMBER	MM/DD/YYYY				
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference al	l attachments here)										
Plant 1 pH was being oxidized out due to low flow entering t	he plant. We had the City ope	en the valve that	feeds plant 1 a	and our pH went i	ıp. Feca	i coliform leve	els were				
elevated because the clarifier sludge pumps were down and											
Surfacing in drip field noticed, replaced 2 electronic zone va											

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: 2002020014

Customer Name : CAVE SPRINGS UTILITY, PLANT 1

Customer/Permit No.: 1826 / 4893-WR-2

Report Date : 02/12/20

Sample Date : 02/05/20

Sample Time : 1220

Sample Type : GRAB

Sample From : EFFLUENT DOSE TANK

Collected By: TWM/BRS

Delivery By : BRS

Work Order : Purchase Order :

		Laboratory Analysis		Quality A	ssurance
Analysis				Precision	Accuracy
Date Time By	<u> Parameter</u>	Result Notes	Quantity Method	% RPD	<pre>% Recovery</pre>
02/05 1217 BRS	рн	5.6 S.U. (b)	SM 2011 4500-H+ B		
02/10 1300 TSB	Phosphorous, Total (as P)	7.06 mg/L	EPA 365.3	0.66	109.0 *
02/06 0900 TSB	Solids, Total Suspended	6.0 mg/L	SM 2011 2540 D	5.13	N/A *
02/05 1655 TSB	Fecal Coliform (MPN/100mL	97.0 /100ml	06/2012 Colilert18	0.00	0.0 *
02/05 1645 TSB	BOD, Carbonaceous	< 2.0 mg/L	SM 2001 5210 B	6.04	86.1 *

(b) Under Minimum Permit Limits

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.



3,375,707

^{*} 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

Fax: 479-750-1172

website: www.esclabs.com

Phone: 479-750-1170



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

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	С	lient Information				Pro	oject Info	ormation					Req	ues	ted	Para	me	ters	
Company Name	ə:	Cave Springs	Plant 1		Permit/Pro	ject#:											ĺ	\mathbf{I}	
Address:		PO BOX 5			Purchase (Order#:	•											- 1	ı
<u> </u>		Cave Springs	72718]				<u></u>				\cap	<u></u>			ł		ı
Telephone:		479 248-1040			Sampler N	ame(s):	Iller	pref					3.1	(28)				İ	- 1
FAX:		1702101010				J	7	·. · · · ·					2	TSS	S	ľ		l	
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ESC Client Nun	her	1826			and Signat	ure(s).	OLIGH IT	PICHMAN	<u> </u>	47			Coliform (43.1F)	(70),	Phosphorus				
	· · · · ·	tification	,	Sample	Collection		I	Sample 0	Containers			(23)	<u>a</u>) Light]			
Identificati		ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva		#	pH	Fecal	CBOD	<u> </u>				ı
Effluent/Dose		2002020014		12:20	Grab	Water	Glass	250 ml	None		0	X							\neg
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	<u></u>		-	1	Grab	Water	Plastic	1/2 gal	None/Co		1			х				$\neg \uparrow$	
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		Cool all samples to 6 de	grees C.					Chlorinated	? Yes N	0		This	Doc	cume	ent is	Pag	e 🛴	of <u> </u>	

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Control Number: 2002020197

Customer Name : CAVE SPRINGS UTILITY, PLANT 1

Customer/Permit No.: 1826 / 4893-WR-2

Report Date : 02/26/20

Sample Date : 02/25/20

Sample Time: 1100

Sample Type : GRAB

Sample From : EFFLUENT

Collected By: TWM
Delivery By : TWM

Work Order:

Purchase Order :

		Laboratory Analysis				Quality A	Assurance
Analysis					•	Precision	Accuracy
Date Time By	Parameter	<u>Result</u>	Notes _	Quantity	<u> </u>	% RPD	<pre>% Recovery</pre>
02/25 1100 TWM	рH	7.8 S.U.			SM 2011 4500-H+ B	1.29	N/A

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.



^{*} 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

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

Carlsbad, New Mexico 575-887-1ESC

Phone: 479-750-1170	Fax: 479-750-1172		Un	IAIN C	JE GU												
	Client Information				Pro	oject Info	ormation				Re	queste	ed F	ara	met	ers	
Company Name:	Cave Springs	Plant 1		Permit/Pro	ject#:									1			
Address:	PO BOX 5			Purchase	Order #:		,						- 1				
	Cave Springs	72718			_		<u></u> _		-,	\Box		11	1				
Telephone:	479 248-1040	······		Sampler N	lame(s):	11/1	er Mod	k 1	m	_							
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1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2002020015

Customer Name : CAVE SPRINGS UTILITY, PLANT 2

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

Report Date : 02/12/20

Sample Date : 02/05/20

Sample Time : 1255 Sample Type : GRAB

Sample From : EFFLUENT

Collected By: TWM
Delivery By: BRS

Work Order:

Purchase Order :

	Ţ	Laboratory Analysis			Quality A	<u>Assurance</u>
Analysis					Precision	Accuracy
Date Time By	Parameter	Result Notes	Quantity	Method	%_RPD	% Recovery
02/05 1307 BRS	рН	7.0 S.U.	,	SM 2011 4500-H+ B		
02/10 1300 TSB	Phosphorous, Total (as P)	7.05 mg/L		EPA 365.3	0.66	109.0 *
02/06 0900 TSB	Solids, Total Suspended	26.0 mg/L		SM 2011 2540 D	5.13	N/A *
02/05 1655 TSB	Fecal Coliform (MPN/100mL	> 24196.0 /100ml		06/2012 Colilert18	0.00	0.0 *
02/05 1645 TSB	BOD, Carbonaceous	6.5 mg/L		SM 2001 5210 B	6.04	86.1 *

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.



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Fax: 479-750-1172

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Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	C	lient Information				Pro	oject Info	ormation					Req	ues	ted	Par	ame	ters	
Company Nam	ne:	Cave Springs	Plant 2		Permit/Pro	ject#:													
Address:		PO BOX 5			Purchase (Order#:			_										
-		Cave Springs	72718	·····															
Telephone:		479 248-1040			Sampler N	ama(s).	1. Norh	ر)صور	16_				回						
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Comments:		<u> </u>			Junean 1	FLOW D	ATA	Field Test	2.5-20 Time	Analy		Res		Resi	ult	Γ	No Unit	 S	
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		Cool all samples to 6 de	egrees C.					Chlorinated	!? Yes N	lo		This	Doc	:ume	ent is	Pag	e. 💄	of <u>}</u>	



Northwest Arkansas Office

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Springdale, Arkansas 72764

479-750-1170 (p)

479-750-1172 (f)

www.esclabs.com

Corporate Office

501-221-2565

Carlshad, New Mexico

575-887-1-ESC (372)

Albuquerque, New Mexico

888-ESC-FIRST (372-3477)

LABORATORY ANALYSIS OVER/UNDER PERMIT LIMITS

CUSTOMER	Cave Spri	ngs		
SAMPLE LOCA	ATION: Plant 2			
SAMPLE DATE	2/5/20	DATE A	NALYZED: 2/5/	/20
Test Name	Control Number	Permit Limit	Results	Over/Under
f.coli	2002020015	10,000.0	>24,196.0	over
Fax Notes:				
To:		From:		
Fax Number:		Number o	f Pages: 1 of 1	

NWA UTILITY SERVICES, INC

PO Box 9299 Fayetteville, AR 72703





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ADEQ WATER DIV. PERMITS Branch 5301 NorthShore Drive N. LITTLE ROCK, AR 72118