#### ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

## MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION MONTHLY MONITORING REPORT

FACILITY NAME (IF DIFFERENT)	PERMIT NO. 4893-WR-3
piant 2	4093-VVK-3
FACILITY ADDRESS	AFIN NO.
498 pebble beach	04-01642
	plant 2  FACILITY ADDRESS

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

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY

FROM 10/1/2017 TO 10/31/2017

PARAMETER	<b>t</b>	PERMIT REQUIREMENT	SAMPLE MEA	UNITS		QUENCY OF NALYSIS	SAMPLE TYPI			
PHOSPHOROUS, TOTAL (AS P) FFLUENT GROSS VALUE		7.2	MG/L	1	ONCE/ MONTH	GRAB				
BOD, 5-DAY (20 DEG. C) FFLUENT GROSS VALUE	~	· · · · · · · · · · · · · · · · · · ·	2	MG/L	1	ONCE/ MONTH	GRAB			
H FFLUENT GROSS VALUE		6 to 9	6.2	S.U.		GRAB				
OLIDS, TOTAL SUSPENDED FFLUENT GROSS VALUE			2.5	MG/L	1	ONCE/ MONTH	GRAB			
COLIFORM, FECAL GENERAL EFF VALUE	LUENT GROSS	*****	120	N/100 ML	1	ONCE/ MONTH	GRAB			
IITROGEN, TOTAL KJELDAHL (AS BROSS VALUE	STKN) EFFLUENT	*****	; · 19.3	MG/L	1	ONCE/ MONTH	GRAB			
IITROGEN, AMMONIA TOTAL (AS FFLUENT GROSS VALUE	NH3N)	*****	. 17.	MG/L	1	ONCE/ MONTH	GRAB			
IITROGEN, NITRATE + NITRITE (A FFLUENT GROSS VALUE	S NO3N = NO2-N)	*****	37.	MG/L	1	ONCE/ MONTH	GRAB			
LANT AVAILABLE NITROGEN (A 'ALUE	PAN) CALCULATED	****	55.	MG/L	1	ONCE/ MONTH	GRAB			
LOW, THRU CONDUIT OR TREAT	MENT UNIT	*****	MONTHLY TOTAL 2.25	DAILY MAX 0.14	MGD		ONCE/ MONTH	TOTAL FLOW		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I	ERTIFY UNDER PENALTY OF L	AW THAT I HAVE PERSONALLY EXAM	MINED AND AM WITH THE	// //		TI	ELEPHONE	DATE		
steven burgess water/sewer	MEDIATELY RESPONSIBLE FOR	IN; AND BASED ON MY INQUIRY OBTAINING THE INFORMATION, IE DATE, AND COMPLETE. I AM AW.	BELIEVE THE SUBMITTED	DF PRINCIPAL	479	2954001	11/1/2017			
TYPED OR PRINTED		BMITTING FALSE INFORMATION, INCI		OFFICER OR ED AGENT	AREA CODE	NUMBER	MM/DD/YYYY			

#### 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: 1710020060

Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2

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

Report Date : 10/11/17

Sample Date : 10/03/17 Sample Time: 0956

Sample Type : GRAB

Sample From : EFF DIVERTER BOX

Collected By: AEU

Delivery By : AEU

Work Order : Purchase Order :

	Quality A	Assurance					
Analysis		-				Precision	Accuracy
Date Time By	<u>Parameter</u>	Result	Notes	Quantity	Method	% RPD	% Recovery
10/03 1500 TSB	Ammonia Nitrogen	17.3 mg/L			SM 1997 4500-NH3 F	0.00	96.8 *
10/10 0800 TSB	Total Kjeldahl Nitrogen	19.36 mg/L			02/2014 HACH 10242	0.68	99.3 *
10/03 1545 TSB	Nitrate Nitrogen	33.62 mg/L			SM 2000 4500-NO3 E	1.69	100.8 *
10/03 0945 TSB	Nitrite Nitrogen	3.780 mg/L			SM 2000 4500 NO2 B	3.59	107.7 *
10/03 1000 AEU	рН	6.2 S.U.	•		SM 2000 4500-H+ B	0.00	N/A
10/05 1215 TSB	Phosphorous, Total (as P)	7.2 mg/L			EPA 365.3	0.00	103.6 *
10/03 1602 AEU	Solids, Total Suspended	< 2.5 mg/L	_		SM 1997 2540 D	22.60	N/A *
10/03 1430 AEU	Coliform, Fecal	1200 /100ml	L		SM 9222 D 1997	0.00	N/A *
10/04 1400 TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.82	96.1 *
10/05 0845 AEU	Solids, % Total by mass	0.044 %			SM 1997 2540 G	2.81	N/A *
10/10 1545 TSB	Nitrogen, Plant Available	55.3 mg/L			SM 1997 4500-N		
10/03 1000 AEU	Sample Collection/Travel	1 each			·		
	-						
		,					

\* OA 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

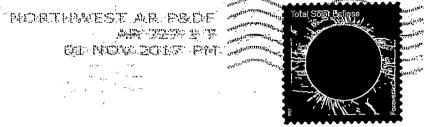
Corporate Office, Little Rock, Arkansas 501-221-2565

> Carlsbad, New Mexico 575-887-1ESC

### **CHAIN OF CUSTODY**

Phone: 479-750-1	170	Fax: 479-750-1172		Gr	IAIN C	of Cu	SIOL	JY											
Client Information Project Information					ormation					Red	ues	sted	Par	ame	eters	3			
Company Name	:	Cave Springs Plant 2 Perr			Permit/Pro	Permit/Project #:						1		1	8				ı
Address: PO BOX 5				Purchase Order #:										NH3(15.A), P(25),TKN(16.A), NO3(18)					
· ·		Cave Springs	72718				1 1 4					1		2(19	Z Z	32)			ı
Telephone:		479 248-1040			Sampler Name(s):			ber Underwood						Į Š	(16./	ds(			
FAX:							,	2					(43	(38)	X	Soli			ı
					and Signat	ture(s):	//19		Crunt					SS.	(25),	% (			ı
ESC Client Num	ber:	2379										'	Fecal Coliform(43)	CBOD(70),TSS(28),NO2(19)	9. P	PAN(99.99), %Solids(82)			ı
Samp	ole Iden	tification	Sample Collection				Sample Containers					pH(23)	<u>8</u>		(15./	6)			i
Identification	Identification ESC Control #		Date	Time	Туре	Matrix	Туре	Volume	Preservative #		#	Ħ.	Fec	CBC	N E	PAI			
Effluent Diverter Box		1/3/17	M256	Grab	Water	Teflon	150 ml	none 1		х									
		/	i	1	Grab	Water	whirlpak	300 ml	none/ice		1		х						
				Grab	Water	Plastic	1 qt	none/ice		1			х		х				
				1	Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2 1					x				
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	1	1	0								Ī								
Relinquished By: (Signature and Printed Name) Dete			1133	Received By: (Signature and Printed Name) Date Time							Custody Seals: Used? \\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								
Relinquished By: (Signature and Printed Name) Date Tim		Time	Received By: (Signature and Printed Name) Date Time						around	1:\ <u>\</u>	<u></u>	mac	A7	Ш					
· · · · · · · · · · · · · · · · · · ·											Regu	ular Special Samplés properly preserved:							
Relinquished By: (Signature and Printed Name)			Date	Time	Received for Lab By: (Signature and Printed Name)  Richard Brown Richard Brown 10-3-17 11			1133	3	vvere	Yes	nes pi	ropeny		rvea: No	П			
Comments:				FLOW D	ATA	Field Test	Time ·	Analys		Resu		Res			Units	3			
					Analyst:		pH:	1000			10.2		42						
		<del></del>				Time:		Temp.: DO:		<u>L</u>	-	<del>603</del>		3 20.3		4.67		°F	
						Reading: Units:		Debris:		<del>                                     </del>	$\dashv$	—		-					
Cool ali samples to 6 degrees C.								Chlorinated	? Yes N	io	7	This	Doc	ume	ent is	Pag	- [	of _	

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



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