## ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

MONTHLY MONITORING REPORT FO				FACILITIES V	/IA DRIP IRRIGA	TION				
City of Cave Springs	FACILITY NAME (IF DIFFERENT) PIGA+ # &				PERMIT NO.	V.				
PERMITTEE ADDRESS			] .	4893-WR-2						
P.O. Box 36		fam. or all as the fam.		AFIN NO.	<u>(Constitution of the Constitution of the Cons</u>					
Cave Springs AR, 72718	498	ch		04-0164						
MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE. SUBMIT LAB ANALYSES WITH THIS	WASTEWATER	FFLUENT MONITO	RING PERIOD	See Line to the CB						
FORM. FROM	MM/DD/YYYY	TO 60	MM/DD/YYY							
TO 09/30/2015										
PARAMETER	•			1						
	PERMIT REQUIREMENT	SAMPLE MEAS	SUREMENT	UNITS	FREQUENCY O ANALYSIS	SAMPLE TYPE				
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	6.9			ONCE/ MONTH	GRAB				
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE		4.8		MG/L	ONCE/ MONTH	GRAB				
PH EFFLUENT GROSS VALUE	6 to 9	6.6		S.U.	ONCE/ MONTH	GRAB				
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		9.0		MG/L	ONCE/ MONTH	GRAB				
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE		800		N/100 ML	ONCE/ MONTH	GRAB				
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	****	22.40		MG/L	ONCE/ MONTH	GRAB				
NITROGEN, AMMONIA TOTAL (AS NH₃N) EFFLUENT GROSS VALUE	*****	14.0		MG/L	ONCE/ MONTH	GRAB				
NITROGEN, NITRATE + NITRITE (AS NO₃N + NO₂-N) EFFLUENT GROSS VALUE	****	339.2		MG/L	ONCE/ MONTH	GRAB				
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		355.7		MG/L	ONCE/ MONTH	GRAB				
FLOW, THRU CONDUIT OR TREATMENT UNIT		MONTHLY TOTAL	DAILY MAX	<del> </del>	<del></del>	<del></del>				
EFFLUENT GROSS VALUE  NAME/TITLE PRINCIPAL EXECUTIVE OFFICER    CERTIFY UNDER PENALTY OF LAW THAT I	. *******	1,19	-042	MGD	ONCE/ MONTH	TOTAL FLOW				
TOOL MOOLDOCHO INFORMATION SUBMITTED HEREIN; AND B	ASED ON MY INQUIRY OF THOS	E INDIVIDUALS	· ,		TELEPHONE	DATE				
IMMEDIATELY RESPONSIBLE FOR OBTAINING THE SEWER SUPERIAL TIES FOR SUPERIAL TIES FOR SUPERITING FALSE INFORMATION OF THE SECONDARY THE SECONDAR	3 The information, I believe 1 Plete. I am aware that there a	THE SUBMITTED RE SIGNIFICANT	SIGNATURE O	F PRINCIPAL	479 295-301	3 10-1-15				
			EXECUTIVE O	FFICER OR DAGENT	AREA NUMBER	MM/DD/YYYY				
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here) We are dealing with Ponding at our Drip Field for Plant #2,  We have been Fixing the problems as they arise! We are currently located the problems are they arise.										
We have been fixing the problems as they arise! We are currently looking at our Drip Field for Plant #a, wastewater system as an alternative. Some of our leaks are broken pipes but I think the others are ADEQ Form										

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

Fax: 479-750-1172

Phone: 479-750-1170



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

Carlsbad, New Mexico 575-887-1ESC

## **CHAIN OF CUSTODY**

Client Information			Project Information						Red	ues	sted	Par	ame	eter	3			
Company Name:	Cave Springs	Plant 2		Permit/Project #:						8								
Address:	PO BOX 5		Purchase Order #:										03(1					
	Cave Springs	72718		7		0/	1	/ //	/		1		[6]	Ň	<u> </u> ਨੂ			
Telephone:	**************************************			Sampler Name(s):		de Schmitt			1		Ş	16.A	35(8					
FAX:				1		~ /		· · · · · · · · · · · · · · · · · · ·			1	43)	8	X X				
				and Signa	poturo(c):				1	Ē	33(2	75),1	8,	.				
ESC Client Number:	2379			and Signature(s).							Fecal Coliform(43)	CBOD(70),TSS(28),NO2(19)	NH3(15.A), P(25),TKN(16.A), NO3(18)	PAN(99.99), %Solids(82)				
			Collection		Sample Containers			୍ର	N N	00	15.A	(99						
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	<del></del>		#	pH(23)	)     	8	)EH3	AN			
Effluent Diverter Box	1509020019	9-2-15		Grab	Water	Teflon	150 mi	none	ative	1	×	<del> </del>	۳	-				
Zilidelit Biverter Box	1000020010	1 5 5	111	Grab	Water			none/ice			广	-	<del> </del>	╁	一	H	-	
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<del></del>				Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1	_		<del> </del>	Х	$\vdash$			_
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Relinquished By: (Signature and Printer	d Name)	Date	Time	Received:for Lab	By: (Signature and	Printed Name	3)	Date _	Tim	19	Regu Were		oles pr	ropefly	Spe			
	` }	<u> </u>		Received for Lab				9-2-15	12-19	,		Yes	$\mathcal{U}$	<u> </u>		No		
Comments:			FLOW DATA		Field Test	Time			Rest				Units					
			Analyst: Time:		pH: Temp.:	11:45	40		(0.18 28	<del>?</del>			(C)		°F			
			Reading:			DO:	4 h 200			-0	~		$\dashv$	ح		<u></u>		
				Units:		Debris:					$\neg$							
Cool all samples to 6 degrees C.				C			Chlorinated? Yes No			This Document is Page of								

## 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: 1509020019

Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2

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

Report Date : 09/14/15

Sample Date : 09/02/15

Sample Time: 1145

Sample Type : GRAB

Sample From : EFF. DIVERTER BOX

Collected By: WDS Delivery By: WDS

Delivery By : WDS Work Order :

Purchase Order:

Laboratory Analysis						Quality Assurance				
Analysis					Precision	Accuracy				
<u>Date Time By</u>	Parameter	Result Notes	<u>Quantity</u>	Method	% RPD	% Recovery				
09/04 1022 RHB	Ammonia Nitrogen	14.0 mg/L		SM 1997 4500-NH3 F	0.00	102.2 *				
09/11 0815 TSB	Kjeldahl Nitrogen Total	22.40 mg/L		SM 1997 4500-NorgB	1.86	99.4 *				
	Nitrate Nitrogen	166.20 mg/L		SM 2000 4500-NO3 E	1.50	96.0 *				
	Nitrite Nitrogen	173.000 mg/L		SM 2000 4500 NO2 B	2.24	98.6 *				
09/02 1145 WDS	рН	6.6 S.U.		SM 2000 4500-H+ B	0.00	N/A *				
	Phosphorous, Total (as P)	6.9 mg/L		EPA 365.3	2.06	105.8 *				
	Solids, Total Suspended	9.0 mg/L		SM 1997 2540 D	14.40	N/A *				
09/02 1635 KIK	Coliform, Fecal	800 /100ml		SM 1997 9222 D	0.00	N/A *				
	BOD, Carbonaceous	4.8 mg/L		SM 2001 5210 B	15.14	95.1 *				
09/08 1620 KIK	Solids, % Total by mass	0.041 %		SM 1997 2540 G	0.00	N/A *				
09/15 1126 RHB	Nitrogen, Plant Available	355.7 mg/L		SM 1997 4500-N		·				

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.

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

City of Cave Springs
P.O. Box 36
Cave Springs, AR 72718

FOREVER MISSANG CHILDREN

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