

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

PERMITTEE NAME <i>City of Cave Springs</i>
PERMITTEE ADDRESS <i>P.O. Box 36 Cave Springs AR 72718</i>

FACILITY NAME (IF DIFFERENT) <i>plant #1</i>
FACILITY ADDRESS <i>1499 1/2 S. Main</i>

PERMIT NO. <i>4883-WR-2</i>
AFIN NO. <i>04-01642</i>

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

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY <i>2-01-2013</i>	TO <i>2-28-2013</i>

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	<i>5.8</i>	MG/L	ONCE/MONTH	GRAB
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	---	<i>2.0</i>	MG/L	ONCE/MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	<i>7.5</i>	S.U.	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	---	<i>2.0</i>	MG/L	ONCE/MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	---	<i>142.</i>	N/100 ML	ONCE/MONTH	GRAB
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	<i>19.04</i>	MG/L	ONCE/MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS NH <sub>3</sub> N) EFFLUENT GROSS VALUE	*****	<i>16.8</i>	MG/L	ONCE/MONTH	GRAB
NITROGEN, NITRATE + NITRITE (AS NO <sub>3</sub> N + NO <sub>2</sub> -N) EFFLUENT GROSS VALUE	*****	<i>21.659</i>	MG/L	ONCE/MONTH	GRAB
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		<i>39.1</i>	MG/L	ONCE/MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	MGD	ONCE/MONTH	TOTAL FLOW
		<i>0.285</i>			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Rick A. Sayre Water/Sewer Superintendent</i>	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Rick A. Sayre</i>	TELEPHONE	DATE
			<i>479 721-7539</i>	<i>03-04-2013</i>
TYPED OR PRINTED			AREA CODE	NUMBER
				MM/DD/YYYY

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

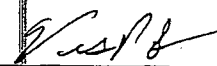
Northwest Arkansas Branch  
1107 Century Avenue  
Springdale, AR 72762  
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1302020056	Sample Date : 02/13/13	Collected By: KLK
Customer Name : CAVE SPRINGS, CITY OF	Sample Time : 1435	Delivery By : KLK
Customer/Permit No. : 1826 / 4893-WR-2	Sample Type : GRAB	Work Order :
Report Date : 02/28/13	Sample From : EFFLUENT/DOSE TANK	Purchase Order :

Analysis		<u>Laboratory Analysis</u>				<u>Quality Assurance</u>			
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								% RPD	% Recover
02/15	0800	TSB	Ammonia Nitrogen	16.8 mg/L			SM 18th 4500-NH3 H	7.41	92.8
02/21	1300	MNM	Kjeldahl Nitrogen Total	19.04 mg/L			SM 18th 4500-NorgB	20.40	81.5
02/18	1110	MNM	Nitrate Nitrogen	21.14 mg/L			SM 18th 4500-NO3 E	0.00	98.9
02/19	1300	MNM	Nitrite Nitrogen	0.519 mg/L			SM 18th 4500 NO2 B	2.46	97.6
02/13	1435	KIK	pH	7.5 S.U.			SM 18th 4500-H+ B	0.00	N/A
02/15	0900	MNM	Phosphorous, Total (as P)	5.8 mg/L			EPA 365.3	11.24	110.0
02/14	1330	TSB	Solids, Total Suspended	< 2.0 mg/L			SM 18th 2540D	0.00	N/A
02/13	1639	VLP	Coliform, Fecal	142 /100ml			SM 18th 9222D	0.00	N/A
02/14	1630	MNM	BOD, Carbonaceous	< 2.0 mg/L			SM 18th 5210B	0.00	107.5
02/15	1300	MNM	Solids, % Total	0.018 %			SM 18th 2540G	5.71	N/A
02/22	1140	MNM	Nitrogen, Plant Available	39.1 mg/L			SM 18th 4500-NH3E		

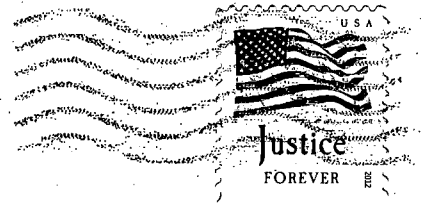
\* QA data shown is from a different sample or standard on the same date.

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.

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

NORTHWEST AR. P&DF  
AR 727 1 Y  
05 MAR 2013 296



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

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