

**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 34 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-WL-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	MM/DD/YYYY
FROM <i>10-01-2013</i>	TO <i>10-31-2013</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>7.1</i>	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	<i>4.0</i>	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	_____	<i>20</i>	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	<i>7.80</i>	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH <sub>3</sub> N) EFFLUENT GROSS VALUE	*****	<i>6.2</i>	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO <sub>3</sub> N + NO <sub>2</sub> -N) EFFLUENT GROSS VALUE	*****	<i>39.471</i>	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		<i>46.2</i>	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		<i>0.58</i>	<i>0.0236</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
			AREA CODE <i>479</i>	NUMBER <i>721-7539</i>	<i>11-04-2013</i>

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: 1310020018  
 Customer Name : CAVE SPRINGS, CITY OF  
 Customer/Permit No. : 1826 / 4893-WR-2  
 Report Date : 10/15/13

Sample Date : 10/02/13  
 Sample Time : 1315  
 Sample Type : GRAB  
 Sample From : EFFLUENT DOSE TANK

Collected By: WDS  
 Delivery By : WDS  
 Work Order :  
 Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
10/07	1100	TSB	Ammonia Nitrogen	6.2 mg/L		SM 18th 4500-NH3 H	4.94	100.0
10/03	0800	TSB	Kjeldahl Nitrogen Total	7.80 mg/L		SM 18th 4500-NorgB	1.36	110.0
10/08	0830	MNM	Nitrate Nitrogen	39.33 mg/L		SM 18th 4500-NO3 E	7.59	103.9
10/03	1050	KIK	Nitrite Nitrogen	0.141 mg/L		SM 18th 4500 NO2 B	1.69	101.3
10/02	1315	WDS	pH	7.1 S.U.		SM 18th 4500-H+ B	0.00	N/A
10/03	1500	TSB	Phosphorous, Total (as P)	5.8 mg/L		EPA 365.3	0.00	96.0
10/03	0900	KIK	Solids, Total Suspended	4.0 mg/L		SM 18th 2540D	0.00	N/A
10/02	1615	KIK	Coliform, Fecal	20 /100ml		SM 18th 9222D	0.00	N/A
10/02	1600	MNM	BOD, Carbonaceous	< 2.0 mg/L		SM 18th 5210B	0.00	101.5
10/03	1140	KIK	Solids, % Total	0.058 %		SM 18th 2540G	5.22	N/A
10/09	1100	MNM	Nitrogen, Plant Available	46.2 mg/L		SM 18th 4500-NH3E		

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

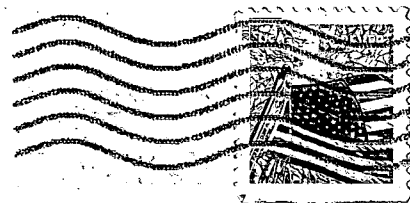
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.T  
04 NOV 2013 PM



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

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