

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

<b>PERMITTEE NAME</b> City of Cave Springs
<b>PERMITTEE ADDRESS</b> P.O. Box 36 Cave Springs, Ar 72718

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

<b>PERMIT NO.</b> 4873-WP-2
<b>AFIN NO.</b> 04-01642

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

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY FROM 05-01-2014	MM/DD/YYYY TO 05-31-2014

TREATED WASTEWATER EFFLUENT SAMPLING							
PARAMETER		PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) GROSS VALUE	EFFLUENT	*****	6.4	MG/L	ONCE/ MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE		---	8.0	MG/L	ONCE/ MONTH	GRAB	
PH EFFLUENT GROSS VALUE		6 to 9	7.2	S.U.	ONCE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		---	4.0	MG/L	ONCE/ MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE		---	3200	N/100 ML	ONCE/ MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE		*****	26.90	MG/L	ONCE/ MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH <sub>3</sub> N) EFFLUENT GROSS VALUE		*****	25.3	MG/L	ONCE/ MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO <sub>3</sub> N + NO <sub>2</sub> -N) EFFLUENT GROSS VALUE		*****	16.88	MG/L	ONCE/ MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE			42.7	MG/L	ONCE/ MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE		*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/ MONTH	TOTAL FLOW
			0.74	6.075			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Rick Sayre Water-Sewer Superintendent	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.

*Rick A Sayre*  
**SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT**

TELEPHONE	DATE
479-721-7539	06-02-2014
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: 1405020076  
 Customer Name : CAVE SPRINGS, CITY OF  
 Customer/Permit No. : 1826 / 4893-WR-2  
 Report Date : 05/14/14

Sample Date : 05/07/14  
 Sample Time : 1355  
 Sample Type : GRAB  
 Sample From : EFFLUENT DOSE TANK

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
05/08	0900	TSB	Ammonia Nitrogen	25.3 mg/L			SM 1997 4500-NH3 F	1.04	85.0 *
05/12	0800	TSB	Kjeldahl Nitrogen Total	26.90 mg/L			SM 1997 4500-NorgB	2.32	90.0 *
05/09	0900	TSB	Nitrate Nitrogen	14.30 mg/L			SM 2000 4500-NO3 E	0.00	101.0 *
05/07	1600	TSB	Nitrite Nitrogen	2.580 mg/L			SM 2000 4500 NO2 B	1.60	84.0
05/07	1355	WDS	pH	7.2 S.U.			SM 2000 4500-H+ B	0.00	N/A *
05/08	1100	TSB	Phosphorous, Total (as P)	6.4 mg/L			EPA 365.3	1.57	98.0 *
05/12	1430	KIK	Solids, Total Suspended	4.0 mg/L			SM 1997 2540D	0.00	N/A *
05/07	1630	RHB	Coliform, Fecal	3200 /100ml			SM 1997 9222 D	4.55	N/A *
05/09	0830	KIK	BOD, Carbonaceous	8.0 mg/L			SM 2001 5210 B	0.00	101.0 *
05/12	1615	KIK	Solids, % Total	0.034 %			SM 1997 2540 G	13.51	N/A *
05/14	1049	RHB	Nitrogen, Plant Available	42.7 mg/L			SM 1997 4500-N		

\* 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.

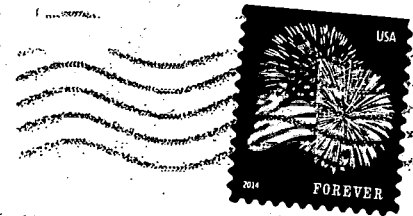
Signature

*Richard Brown*

Environmental Services Co., Inc.

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

AR 727 2 T  
03 JUN 2014 PM



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

7211800007

