

**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	MM/DD/YYYY
FROM 3-01-2015	TO 3-31-2015

TREATED WASTEWATER EFFLUENT SAMPLING							
PARAMETER		PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) GROSS VALUE	EFFLUENT	*****	6.0	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	7.1	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		---	13.0	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		*****	38.10	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH <sub>3</sub> -N) EFFLUENT GROSS VALUE		*****	35.0	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO <sub>3</sub> -N + NO <sub>2</sub> -N) EFFLUENT GROSS VALUE		*****	2.78	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE			38.7	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE		*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
			0.88	0.040			

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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT Rick A Sayre	TELEPHONE		DATE
			479-721-7539	04-01-2015	
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: 1503020029	Sample Date : 03/04/15	Collected By: RHB
Customer Name : CAVE SPRINGS, CITY OF	Sample Time : 1010	Delivery By : RHB
Customer/Permit No. : 1826 / 4893-WR-2	Sample Type : GRAB	Work Order :
Report Date : 03/13/15	Sample From : EFFLUENT DOSE TANK	Purchase Order :

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/06	1430	TSB	Ammonia Nitrogen	35.0 mg/L			SM 1997 4500-NH3 F	0.00	102.8 *
03/09	0800	TSB	Kjeldahl Nitrogen Total	38.10 mg/L			SM 1997 4500-NorgB	0.00	101.0 *
03/06	1000	TSB	Nitrate Nitrogen	1.35 mg/L			SM 2000 4500-NO3 E	0.71	101.4 *
03/05	1345	RHB	Nitrite Nitrogen	1.430 mg/L			SM 2000 4500 NO2 B	17.96	93.1 *
03/04	1010	RHB	pH	7.1 S.U.			SM 2000 4500-H+ B	0.00	N/A
03/06	0830	TSB	Phosphorous, Total (as P)	6.0 mg/L			EPA 365.3	2.15	102.1 *
03/09	1430	KIK	Solids, Total Suspended	13.0 mg/L			SM 1997 2540 D	6.45	N/A *
03/04	1248	RHB	Coliform, Fecal	3200 /100ml			SM 1997 9222 D	0.00	N/A *
03/06	0900	KIK	BOD, Carbonaceous	8.0 mg/L			SM 2001 5210 B	8.14	85.0 *
03/10	1500	KIK	Solids, % Total	0.036 %			SM 1997 2540 G	5.56	N/A
03/09	1625	TSB	Nitrogen, Plant Available	38.7 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.

CAVE SPRINGS WATER DEPARTMENT

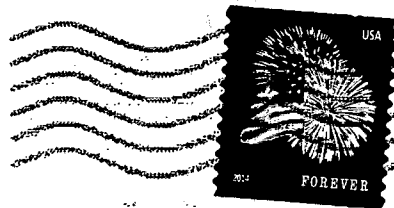
P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR P&DF

AR 727 LT

01 APR 2015 PM



ADEQ

Enforcement Section/Water Div.

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North Little Rock, AR 72118

72118+5317

