

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

PERMITTEE NAME
City of Cave Springs
PERMITTEE ADDRESS
P.O. Box 36 Cave Springs, Ar 72718

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

PERMIT NO.
4873-WP-L
AFIN NO.
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 11-01-2014	TO 11-30-2014

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	2.9	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	_____	6.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	6.7	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	10.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	_____	1000	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	15.70	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	11.0	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	39.636	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		52.0	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL 0.77	DAILY MAX 0.032	MGD	ONCE/MONTH	TOTAL FLOW

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	12-02-2014	
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: 1411020026
Customer Name : CAVE SPRINGS, CITY OF
Customer/Permit No. : 1826 / 4893-WR-2
Report Date : 11/19/14

Sample Date : 11/05/14
Sample Time : 1124
Sample Type : GRAB
Sample From : EFFLUENT DOSE TANK

Collected By: RHB
Delivery By : RHB
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
11/10	1300	TSB	Ammonia Nitrogen	11.0 mg/L		SM 1997 4500-NH3 F	0.00	100.0 *
11/06	0830	TSB	Kjeldahl Nitrogen Total	15.70 mg/L		SM 1997 4500-NorgB	3.12	98.8
11/17	0900	TSB	Nitrate Nitrogen	38.65 mg/L		SM 2000 4500-NO3 E	2.35	101.0 *
11/06	1500	RHB	Nitrite Nitrogen	0.986 mg/L		SM 2000 4500 NO2 B	1.03	97.7
11/05	1126	RHB	pH	6.7 S.U.		SM 2000 4500-H+ B	0.00	N/A
11/10	1000	TSB	Phosphorous, Total (as P)	2.9 mg/L		EPA 365.3	5.00	98.0 *
11/06	1030	TSB	Solids, Total Suspended	10.0 mg/L		SM 1997 2540 D	0.00	N/A *
11/05	1520	RHB	Coliform, Fecal	1000 /100ml		SM 1997 9222 D	0.00	N/A *
11/05	1530	TSB	BOD, Carbonaceous	6.0 mg/L		SM 2001 5210 B	13.64	97.0 *
11/11	1605	KIK	Solids, % Total	0.046 %		SM 1997 2540 G	0.00	N/A
11/19	1125	RHB	Nitrogen, Plant Available	52.0 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

NW ARKANSAS AR 727

02 DEC 2014 PM 2 T



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ADEQ

Enforcement Section/Water Div.

5301 Northshore Dr.

North Little Rock, AR 72118

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