

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. H893-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 02-01-2015	TO 02-28-2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	5.6	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	—	7.0	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	—	15.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	844	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	28.80	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ -N) EFFLUENT GROSS VALUE	*****	27.7	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ -N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	22.0	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		50.0	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX.	MGD	ONCE/MONTH	TOTAL FLOW
		0.76	0.028			

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 <i>Rick A Sayre</i>	TELEPHONE	DATE
			479-721-7539	03-05-2015
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: 1502020033	Sample Date : 02/04/15	Collected By: WDS
Customer Name : CAVE SPRINGS, CITY OF	Sample Time : 1140	Delivery By : WDS
Customer/Permit No. : 1826 / 4893-WR-2	Sample Type : GRAB	Work Order :
Report Date : 02/20/15	Sample From : EFFLUENT DOSE TANK	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>				
<u>Analysis</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>
									<u>% RPD</u>	<u>% Recovery</u>
Ammonia Nitrogen	02/05	1500	TSB		27.7 mg/L			SM 1997 4500-NH3 F	0.00	102.1 *
Kjeldahl Nitrogen Total	02/19	0830	TSB		28.80 mg/L			SM 1997 4500-NorgB	0.00	99.0 *
Nitrate Nitrogen	02/06	1415	TSB		19.21 mg/L			SM 2000 4500-NO3 E	1.24	100.0 *
Nitrite Nitrogen	02/04	1600	TSB		2.790 mg/L			SM 2000 4500 NO2 B	0.00	88.2
pH	02/04	1140	WDS		7.2 S.U.			SM 2000 4500-H+ B	0.00	N/A *
Phosphorous, Total (as P)	02/06	1015	TSB		5.6 mg/L			EPA 365.3	0.00	100.0 *
Solids, Total Suspended	02/05	1300	KIK		15.0 mg/L			SM 1997 2540 D	40.00	N/A *
Coliform, Fecal	02/04	1605	TSB		844 /100ml			SM 1997 9222 D	0.00	N/A *
BOD, Carbonaceous	02/04	1445	KIK		7.0 mg/L			SM 2001 5210 B	5.13	100.0 *
Solids, % Total	02/05	1630	KIK		0.040 %			SM 1997 2540 G	9.30	N/A *
Nitrogen, Plant Available	02/20	0845	TSB		50.0 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 Brom
 Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT

P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR P&DF
AR 727 2 T
05 MAR 2015 PM



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