

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-2
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 01-01-2014	TO 01-31-2014

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	2.5	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	—	7.8	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	—	9.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	512	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	35.84	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ -N) EFFLUENT GROSS VALUE	*****	23.3	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ -N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	24.23	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
		0.53	0.023			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Rick Sayre Water-Sewer Superintendent	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	02-04-2014	
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: 1401020015
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No: : 1826 / 4893-WR-2
 Report Date : 01/16/14

Sample Date : 01/08/14
 Sample Time : 1230
 Sample Type : GRAB WATER
 Sample From : EFFLUENT

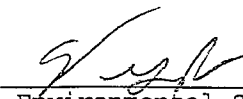
Collected By: WDS
 Delivery By : WDS
 Work Order :
 Purchase Order :

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recover
01/10	0900	TSB	Ammonia Nitrogen	23.3 mg/L			SM 18th 4500-NH3 H	8.50	98.7
01/14	1300	TSB	Kjeldahl Nitrogen Total	35.84 mg/L			SM 18th 4500-NorgB	0.00	104.8
01/09	0900	TSB	Nitrate Nitrogen	23.09 mg/L			SM 18th 4500-NO3 E	0.00	93.9
01/10	1500	TSB	Nitrite Nitrogen	1.140 mg/L			SM 18th 4500 NO2 B	1.50	80.8
01/08	1230	WDS	pH	7.1 S.U.			SM 18th 4500-H+ B	0.00	N/A
01/10	0800	TSB	Phosphorous, Total (as P)	2.5 mg/L			EPA 365.3	3.77	102.2
01/09	1300	KIK	Solids, Total Suspended	9.0 mg/L			SM 18th 2540D	22.22	N/A
01/08	1605	KIK	Coliform, Fecal	512 /100ml			SM 18th 9222D	0.00	N/A
01/08	0830	KIK	BOD, Carbonaceous	7.8 mg/L			SM 18th 5210B	18.18	81.0
01/13	1410	KIK	Solids, % Total	0.038 %			SM 18th 2540G	10.53	N/A
01/16	0800	TSB	Nitrogen, Plant Available	50.0 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



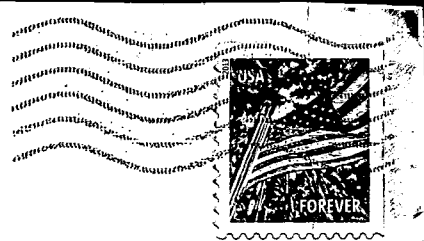
Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT

P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR PSDF
AR 727 2 T
04 FEB 2014 PM



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

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