

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 12-01-2013	TO 12-31-2013

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	6.0	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	---	2.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	6.4	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	---	0.043	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	---	110	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	8.90	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	5.6	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	36.281	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		42.9	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		0.59	0.031			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Rick Sayre</i> 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	01-03-2014	
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: 1312020027
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No. : 1826 / 4893-WR-2
 Report Date : 12/12/13

Sample Date : 12/04/13
 Sample Time : 1315
 Sample Type : GRAB
 Sample From : EFFLUENT/DOSE TANK

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
12/09	1400	TSB	Ammonia Nitrogen	5.6 mg/L		SM 18th 4500-NH3 H	1.34	104.0
12/05	0800	TSB	Kjeldahl Nitrogen Total	8.90 mg/L		SM 18th 4500-NorgB	2.93	95.0
12/11	0800	MNM	Nitrate Nitrogen	36.21 mg/L		SM 18th 4500-NO3 E	8.00	95.8
12/10	1550	TSB	Nitrite Nitrogen	0.071 mg/L		SM 18th 4500 NO2 B	1.24	95.8
12/04	1315	WDS	pH	6.4 S.U.		SM 18th 4500-H+ B	0.00	N/A
12/09	0900	TSB	Phosphorous, Total (as P)	6.0 mg/L		EPA 365.3	4.65	95.0
12/05	1015	KIK	Solids, Total Suspended	12.0 mg/L		SM 18th 2540D	0.00	N/A
12/04	1600	WDS	Coliform, Fecal	110 /100ml		SM 18th 9222D	0.00	N/A
12/04	1600	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 18th 5210B	7.55	86.0
12/05	1330	VLP	Solids, % Total	0.043 %		SM 18th 2540G	0.00	N/A
12/12	0920	MNM	Nitrogen, Plant Available	42.9 mg/L		SM 18th 4500-NH3E		

* QA data shown is from a different sample or standard on the same date.

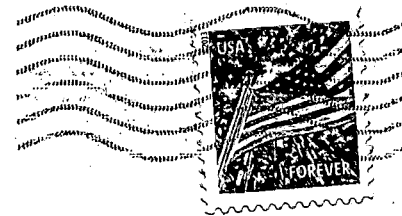
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

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

NORTHWEST AR P&DF
AR 72721 T
03 JAN 2014 PM



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

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