

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.
4893-WL-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 FROM *05-01-2013* TO *05-31-2013* MM/DD/YYYY

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	<i>3.3</i>	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	—	<i>2.0</i>	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	<i>6.8</i>	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	—	<i>12.0</i>	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	<i>110</i>	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	<i>3.40</i>	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	<i>2.1</i>	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	<i>13.25</i>	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		<i>15.7</i>	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		<i>0.90</i>	<i>0.030</i>			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Rick A. Sayre
Water/Sewer Superintendent

TYPED OR PRINTED

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.

Rick A. Sayre
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
479 721-7539

DATE
06-04-2013

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: 1305020003
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No. : 1826 / 4893-WR-2
 Report Date : 05/23/13

Sample Date : 05/14/13
 Sample Time : 1020
 Sample Type : GRAB
 Sample From : EFFLUENT DOSE TANK

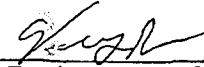
Collected By: WDS
 Delivery By : WDS
 Work Order :
 Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
05/15	1000	TSB	Ammonia Nitrogen	2.1 mg/L		SM 18th 4500-NH3 H	5.31	107.0
05/20	1400	TSB	Kjeldahl Nitrogen Total	3.40 mg/L		SM 18th 4500-NorgB	4.76	85.0
05/22	1100	MNM	Nitrate Nitrogen	13.20 mg/L		SM 18th 4500-NO3 E	0.00	100.3
05/22	1500	MNM	Nitrite Nitrogen	< 0.050 mg/L		SM 18th 4500 NO2 B	1.63	100.3
05/14	1020	WDS	pH	6.8 S.U.		SM 18th 4500-H+ B	0.00	N/A
05/15	1000	TSB	Phosphorous, Total (as P)	3.3 mg/L		EPA 365.3	0.00	97.0
05/16	1200	MNM	Solids, Total Suspended	12.0 mg/L		SM 18th 2540D	0.00	N/A
05/14	1140	WDS	Coliform, Fecal	110 /100ml		SM 18th 9222D	12.50	N/A
05/15	1400	KIK	BOD, Carbonaceous	< 2.0 mg/L		SM 18th 5210B	0.00	90.5
05/16	1600	KIK	Solids, % Total	0.022 %		SM 18th 2540G	0.00	N/A
05/22	1530	MNM	Nitrogen, Plant Available	15.7 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 FED

AR 727 1 L

024 JUN 2013 PM



ADEQ

Enforcement Section/Water Div.

5301 Northshore Dr.

North Little Rock, AR 72118

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