

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-WR-2

AFIN NO.
04-01642

MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE. SUBMIT LAB ANALYSES WITH THIS FORM.

WASTEWATER EFFLUENT MONITORING PERIOD

FROM *07-01-2012* TO *07-31-2012*

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	<i>6.3</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>7.4</i>	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	—	<i>2.0</i>	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	<i>14</i>	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	<i>12.32</i>	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ -N) EFFLUENT GROSS VALUE	*****	<i>5.2</i>	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ -N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	<i>25.554</i>	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		<i>32.9</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>0.32</i>	<i>0.020</i>			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Rick A. Sayre Water Superintendent</i>	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	08-02-2012	
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: 1207020363
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No. : 1826 / 4893-WR-2
 Report Date : 07/27/12

Sample Date : 07/19/12
 Sample Time : 1335
 Sample Type : GRAB
 Sample From : EFFLUENT/DOSE TANK

Collected By: KIK
 Delivery By : KIK
 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>
07/20	1000	KIK	Ammonia Nitrogen	5.2 mg/L		SM 18th 4500-NH3 H	2.53	97.5 *
07/24	0800	KIK	Kjeldahl Nitrogen Total	12.32 mg/L		SM 18th 4500-NorgB	1.17	98.8 *
07/27	0815	MNM	Nitrate Nitrogen	25.06 mg/L		SM 18th 4500-NO3 E	16.09	86.0 *
07/23	0900	KIK	Nitrite Nitrogen	0.494 mg/L		SM 18th 4500 NO2 B	1.31	98.7
07/19	1335	KIK	pH	7.4 S.U.		SM 18th 4500-H+ B	1.38	N/A *
07/23	0810	MNM	Phosphorous, Total (as P)	6.3 mg/L		EPA 365.3	0.00	99.7 *
07/25	0930	MNM	Solids, Total Suspended	< 2.0 mg/L		SM 18th 2540D	0.00	N/A *
07/20	1500	RHB	Coliform, Fecal	14 /100ml		SM 18th 9222D	0.00	N/A *
07/25	1020	MNM	BOD, Carbonaceous	< 2.0 mg/L		SM 18th 5210B	5.33	115.0 *
07/26	0850	MNM	Solids, % Total	0.055 %		SM 18th 2540G	0.00	N/A
07/27	1545	RHB	Nitrogen, Plant Available	32.9 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 Richard Brown
 Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT

P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR P&DF

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02 AUG 2012 PM



ADEQ

Enforcement Section/Water Div.

5301 Northshore Dr.

North Little Rock, AR 72118

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