

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION

PERMITTEE NAME <i>City of Cave Springs</i>
PERMITTEE ADDRESS <i>P.O. Box 34 Cave Springs AR 72718</i>

FACILITY NAME (IF DIFFERENT) <i>plant #1</i>
FACILITY ADDRESS <i>1499 1/2 S. Main</i>

PERMIT NO. <i>4893-WL-2</i>
AFIN NO. <i>04-01642</i>

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 <i>04-01-2013</i>	TO <i>04-30-2013</i>

TREATED WASTEWATER EFFLUENT SAMPLING DATA							
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>7.0</i>	S.U.	ONCE/MONTH	GRAB		
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	---	<i>8.0</i>	MG/L	ONCE/MONTH	GRAB		
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	---	<i>12</i>	N/100 ML	ONCE/MONTH	GRAB		
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	<i>25.80</i>	MG/L	ONCE/MONTH	GRAB		
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	<i>11.4</i>	MG/L	ONCE/MONTH	GRAB		
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	<i>30.964</i>	MG/L	ONCE/MONTH	GRAB		
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		<i>46.7</i>	MG/L	ONCE/MONTH	GRAB		
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	MGD	ONCE/MONTH	TOTAL FLOW		
		<i>0.39</i>					DAILY MAX <i>0.040</i>
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Rick A. Sayre Water/Sewer 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 <i>479 721-7539</i>	DATE <i>05-03-2013</i>
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

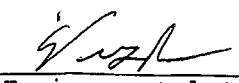
Control Number: 1304020023	Sample Date : 04/16/13	Collected By: WDS
Customer Name : CAVE SPRINGS, CITY OF	Sample Time : 1510	Delivery By : WDS
Customer/Permit No. : 1826 / 4893-WR-2	Sample Type : GRAB	Work Order :
Report Date : 04/25/13	Sample From : EFFLUENT DOSE TANK	Purchase Order :

Analysis		Laboratory Analysis				Quality Assurance		
Date	Time By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
							% RPD	% Recover
04/17	1500 TSB	Ammonia Nitrogen	11.4 mg/L			SM 18th 4500-NH3 H	9.52	98.0
04/22	1400 TSB	Kjeldahl Nitrogen Total	25.80 mg/L			SM 18th 4500-NorgB	5.37	94.0
04/18	1030 MNM	Nitrate Nitrogen	30.83 mg/L			SM 18th 4500-NO3 E	0.00	100.0
04/22	1300 KIK	Nitrite Nitrogen	0.134 mg/L			SM 18th 4500 NO2 B	6.90	97.0
04/16	1510 WDS	pH	7.0 S.U.			SM 18th 4500-H+ B	0.00	N/A
04/17	1400 TSB	Phosphorous, Total (as P)	6.3 mg/L			EPA 365.3	4.44	88.0
04/17	1000 TSB	Solids, Total Suspended	8.0 mg/L			SM 18th 2540D	66.67	N/A
04/16	1550 WDS	Coliform, Fecal	12 /100ml			SM 18th 9222D	0.00	N/A
04/17	1400 TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 18th 5210B	30.77	91.0
04/24	1540 VLP	Solids, % Total	0.037 %			SM 18th 2540G	0.00	N/A
04/23	1618 MNM	Nitrogen, Plant Available	46.7 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

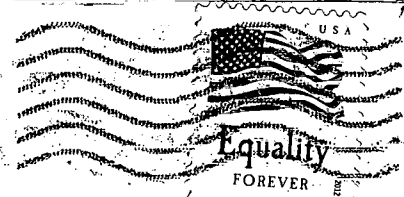
P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR. FBIDE

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03 MAY 2013 PM



ADEQ

Enforcement Section/Water Div.

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North Little Rock, AR 72118

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