

Environmental Services Company, Inc.

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Northwest Arkansas Branch
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Control Number: 1306020015
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No. : 1826 / 4893-WR-2
 Report Date : 06/14/13

Sample Date : 06/05/13
 Sample Time : 1025
 Sample Type : GRAB WATER
 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>	<u>% Recover</u>
06/07	1000	TSB	Ammonia Nitrogen	9.5 mg/L		SM 18th 4500-NH3 H	4.47	100.0
06/06	1400	TSB	Kjeldahl Nitrogen Total	11.20 mg/L		SM 18th 4500-NorgB	0.00	88.0
06/12	1450	MNM	Nitrate Nitrogen	51.32 mg/L		SM 18th 4500-NO3 E	7.14	107.1
06/13	0830	MNM	Nitrite Nitrogen	0.323 mg/L		SM 18th 4500 NO2 B	6.85	107.1
06/05	1025	WDS	pH	5.2 S.U.	(b)	SM 18th 4500-H+ B	0.00	N/A
06/06	0900	TSB	Phosphorous, Total (as P)	< 0.5 mg/L		EPA 365.3	10.53	85.0
06/06	1215	KIK	Solids, Total Suspended	8.0 mg/L		SM 18th 2540D	0.00	N/A
06/05	1330	KIK	Coliform, Fecal	64 /100ml		SM 18th 9222D	28.57	N/A
06/05	1330	VLP	BOD, Carbonaceous	3.0 mg/L		SM 18th 5210B	0.00	94.0
06/14	0945	MNM	Solids, % Total	0.041 %		SM 18th 2540G	10.53	N/A
06/13	0945	MNM	Nitrogen, Plant Available	61.7 mg/L		SM 18th 4500-NH3E		

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

(b) Under Minimum Permit Limits

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.

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	MM/DD/YYYY
FROM 06-01-2013	TO 06-30-2013

TREATED WASTEWATER EFFLUENT SAMPLING							
PARAMETER		PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) GROSS VALUE	EFFLUENT	*****	0.5	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE		---	3.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE		6 to 9	5.2	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		---	8.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE		---	64	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE		*****	11.20	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ -N) EFFLUENT GROSS VALUE		*****	9.5	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ -N + NO ₂ -N) EFFLUENT GROSS VALUE		*****	51.64	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE			61.7	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE		*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
			0.42	0.07			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Rick A. Sayre 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.

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

TELEPHONE	DATE
479 721-7539	07-01-2013
AREA CODE	NUMBER
	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 P.H. IS A LITTLE LOW THIS MONTH. WE HAVE CHECKED IT ON FRIDAY 6-28-13 AND ADDED SODA ASH TO IT. WE CHECKED AGAIN MONDAY 7-1-13 THE P.H. WAS 6.08.

CAVE SPRINGS WATER DEPARTMENT

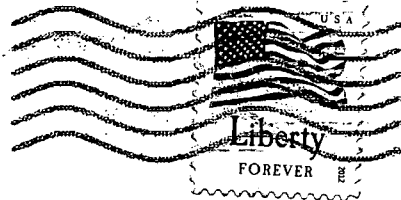
P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR PS&DF

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01 JUL 2013 PM



ADEQ

Enforcement Section/Water Div.

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