

Environmental Services Company, Inc.

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Control Number: 1208020301
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No. : 1826 / 4893-WR-2
 Report Date : 08/27/12

Sample Date : 08/20/12
 Sample Time : 1205
 Sample Type : GRAB
 Sample From : EFFLUENT/DOSETANK

Collected By: KIK
 Delivery By : KIK
 Work Order :
 Purchase Order :

Laboratory Analysis

Analysis		Laboratory Analysis				Quality Assurance		
Date	Time By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
08/24	0930 MNM	Ammonia Nitrogen	7.4 mg/L			SM 18th 4500-NH3 H	5.98	106.2 %
08/21	0800 KIK	Kjeldahl Nitrogen Total	11.20 mg/L			SM 18th 4500-NorgB	3.64	96.4 %
08/21	1330 MNM	Nitrate Nitrogen	37.60 mg/L			SM 18th 4500-NO3 E	2.39	97.6 %
08/20	1620 MNM	Nitrite Nitrogen	0.194 mg/L			SM 18th 4500 NO2 B	2.72	102.4 %
08/20	1205 KIK	pH	9.9 S.U.	(b)		SM 18th 4500-H+ B	0.00	N/A
08/23	0800 KIK	Phosphorous, Total (as P)-	3.6 mg/L			EPA 365.3	1.68	101.2 %
08/20	1135 SJI	Solids, Total Suspended	18.0 mg/L	(b)		SM 18th 2540D	0.00	N/A
08/20	1330 KIK	Coliform, Fecal	26 /100ml			SM 18th 9222D	0.00	N/A
08/20	1500 SJI	BOD, Carbonaceous	< 2.0 mg/L			SM 18th 5210B	0.00	104.5 %
08/20	1600 MNM	Solids, % Total	0.046 %			SM 18th 2540G	0.98	N/A
08/27	1030 RHB	Nitrogen, Plant Available	46.3 mg/L			SM 18th 4500-NH3E		

* QA data shown is from a different sample or standard on the same date.
 (b) Exceeds Permit Limits for Maximum Concentration

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.

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-WB-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 MM/DD/YYYY TO MM/DD/YYYY

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) GROSS VALUE	*****	3.6	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	9.9	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	---	18.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	---	26	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	*****	7.4	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	37.79	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		46.3	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		0.33	10.016			

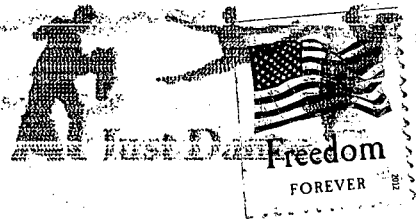
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Rick A. Sayre Water Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED 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
			AREA CODE 479	NUMBER 721-7539

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 We are still working on how much Soda Ash to add to get p.h. where we need it. Should be better next month. We just cleaned filters at the plant, this might be why TSS was high this month.

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

NW ARKANSAS AR 727

05 SEP 2012 PM 2 T



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Enforcement Section/Water Div.
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