

Environmental Services Company, Inc.

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Northwest Arkansas Branch
1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1408020032	Sample Date : 08/06/14	Collected By: WDS
Customer Name: CAVE SPRINGS, CITY OF	Sample Time : 1130	Delivery By : WDS
Customer/Permit No. : 1826 / 4893-WR-2	Sample Type : GRAB	Work Order :
Report Date : 08/14/14	Sample From : EFFLUENT DOSE TANK	Purchase Order :

Laboratory Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
08/07	1030	TSB	Ammonia Nitrogen	9.5 mg/L			SM 1997 4500-NH3 F	0.00	103.7 *
08/08	0830	TSB	Kjeldahl Nitrogen Total	15.70 mg/L			SM 1997 4500-NorgB	2.11	97.2 *
08/11	1330	TSB	Nitrate Nitrogen	45.30 mg/L			SM 2000 4500-NO3 E	0.00	100.0 *
08/07	1515	TSB	Nitrite Nitrogen	0.086 mg/L			SM 2000 4500 NO2 B	0.00	108.5 *
08/06	1130	WDS	pH	6.0 S.U.			SM 2000 4500-H+ B	0.00	N/A *
08/07	0930	TSB	Phosphorous, Total (as P)	6.7 mg/L			EPA 365.3	0.00	108.0 *
08/07	1100	KIK	Solids, Total Suspended	18.0 mg/L	(b)		SM 1997 2540 D	0.00	N/A *
08/06	1500	KIK	Coliform, Fecal	100 /100ml			SM 1997 9222 D	0.00	N/A
08/06	1230	KIK	BOD, Carbonaceous	9.0 mg/L			SM 2001 5210 B	3.75	101.0 *
08/12	1130	KIK	Solids, % Total	0.050 %			SM 1997 2540 G	2.02	N/A
08/13	0833	RHB	Nitrogen, Plant Available	56.7 mg/L			SM 1997 4500-N		

* 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 Brom
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-WP-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 08-01-2014	TO 08-31-2014

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	6.7	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	—	9.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	6.0	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	—	18.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	100	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	15.70	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	*****	45.386	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		56.7	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		0.65	0.025			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Rick 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Rick A Sayre</i>	TELEPHONE		DATE
			479-721-7539	08-04-2014	
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 TSS still a little high, after cleaning filters, had act to low. Have adjusted the air flow.

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

NORTHWEST AR P&DF
AR 72718
04 SEP 2014 PM



ADEQ
Enforcement Section/Water Div.
5301 Northshore Dr.
North Little Rock, AR 72118

721185317

