

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. 4873-WP-2
AFIN NO. 04-016

RECEIVED
MAY 13 2015

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

WASTEWATER EFFLUENT MONITORING PERIOD	
FROM MM/DD/YYYY 04-01-2015	TO MM/DD/YYYY 04-30-2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	6.2	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	—	14.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	7.4	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	—	17.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	5800	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	31.40	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	29.9	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	13.83	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		44.2	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		0.88	0.035			

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 Rick A Sayre	TELEPHONE		DATE
			479-721-7539	05-05-2015	
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 Not sure why TSS is high again, just had slug tanks pumped out. We are also having some ponding on Drip field. Have failed and meet with Sam Dunn & McClelland Consulting Eng. needs to fix the problem. *WL*

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: 1504020018

Customer Name : CAVE SPRINGS, CITY OF

Customer/Permit No. : 1826 / 4893-WR-2

Report Date : 04/17/15

Sample Date : 04/07/15

Sample Time : 1120

Sample Type : GRAB

Sample From : EFFLUENT/DOSE TANK

Collected By: KIK

Delivery By : KIK

Work Order :

Purchase Order :

Analysis				Laboratory Analysis				Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
04/09	1330	TSB	Ammonia Nitrogen	29.9 mg/L			SM 1997 4500-NH3 F	0.00	99.6 *
04/13	0900	TSB	Kjeldahl Nitrogen Total	31.40 mg/L			SM 1997 4500-NorgB	2.21	97.1
04/09	1015	TSB	Nitrate Nitrogen	11.00 mg/L			SM 2000 4500-NO3 E	0.00	99.9 *
04/07	1500	TSB	Nitrite Nitrogen	2.830 mg/L			SM 2000 4500 NO2 B	0.71	104.0 *
04/07	1120	KIK	pH	7.4 S.U.			SM 2000 4500-H+ B	0.00	N/A *
04/13	1030	TSB	Phosphorous, Total (as P)	6.2 mg/L			EPA 365.3	1.83	100.0
04/13	1545	KIK	Solids, Total Suspended	17.0 mg/L	(b)		SM 1997 2540 D	14.63	N/A *
04/07	1610	VLP	Coliform, Fecal	5800 /100ml			SM 1997 9222 D	66.67	N/A *
04/08	1300	RHB	BOD, Carbonaceous	14.0 mg/L			SM 2001 5210 B	2.46	92.9 *
04/14	1635	KIK	Solids, % Total	0.036 %			SM 1997 2540 G	5.56	N/A
04/16	0820	TSB	Nitrogen, Plant Available	44.2 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 Brown

Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT

P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

NORTHWEST AR P&DF
AR 727 2 T
05 MAY 2015 PM



ADEQ

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