

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.
 H873-WP-L

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** 05-01-2015 TO **MM/DD/YYYY** 05-31-2015

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	---	19.6	MG/L	ONCE/MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	7.0	S.U.	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	---	28.0	MG/L	ONCE/MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	---	2200	N/100 ML	ONCE/MONTH	GRAB
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	34.70	MG/L	ONCE/MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	29.5	MG/L	ONCE/MONTH	GRAB
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	23.53	MG/L	ONCE/MONTH	GRAB
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		54.6	MG/L	ONCE/MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	MGD	ONCE/MONTH	TOTAL FLOW
		DAILY MAX			
		1.10			0.07

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.

Rick A Sayre
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 479-721-7539
 DATE: 06-01-2015

AREA CODE: 479
 NUMBER: 721-7539
 MM/DD/YYYY: 06-01-2015

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 Our Sewer plant must have gotten hit by lightning around the 27 of May. We lost one sludge pump, magmeter, and one master pump. Not sure if this is the problem to our High TSS, Hope it was the problem for our BOD. Are working on getting everything FIXED. Had ~~Ken~~ Ken Gregory out to go over plant. Still got ponding on drip field with all the rain this might be some of the problem to the ponding.

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: 1505020038

Customer Name : CAVE SPRINGS, CITY OF

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

Report Date : 05/13/15

Sample Date : 05/06/15

Sample Time : 1220

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
05/08	1400	TSB	Ammonia Nitrogen	29.5 mg/L			SM 1997 4500-NH3 F	0.00	112.0 *
05/08	0800	TSB	Kjeldahl Nitrogen Total	34.70 mg/L			SM 1997 4500-NorgB	7.93	95.9 *
05/08	1115	TSB	Nitrate Nitrogen	18.80 mg/L			SM 2000 4500-NO3 E	0.00	102.0 *
05/08	1600	TSB	Nitrite Nitrogen	4.730 mg/L			SM 2000 4500 NO2 B	2.73	100.0
05/06	1220	KIK	pH	7.0 S.U.			SM 2000 4500-H+ B	0.00	N/A *
05/08	1030	TSB	Phosphorous, Total (as P)	6.7 mg/L			EPA 365.3	0.00	99.6 *
05/07	0900	KIK	Solids, Total Suspended	28.0 mg/L	(b)		SM 1997 2540 D	0.00	N/A *
05/06	1510	RHB	Coliform, Fecal	2200 /100ml			SM 1997 9222 D	0.00	N/A
05/06	1100	KIK	BOD, Carbonaceous	19.6 mg/L	(b)		SM 2001 5210 B	0.30	95.4 *
05/08	1600	KIK	Solids, % Total	0.042 %			SM 1997 2540 G	6.45	N/A *
05/12	1615	TSB	Nitrogen, Plant Available	54.6 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.