

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

FROM 06-01-2015 TO 06-30-2015

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	5.0	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	---	6.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	7.2	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	---	20.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	---	1500	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	26.90	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	25.6	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	12.3	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		38.3	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		1.2	0.2			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Rick Sayre
 Water-Sewer Superintendent

TYPED OR PRINTED

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
 479-721-7539

DATE
 07-02-2015

AREA CODE
 NUMBER
 MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 Our TSS is still a little high, we have reset the sludge timers on plant #1 and pump out some sludge from dose tank to sludge tank. We also had magmeter godown for the first 5 days of the month. We also had tanks over flow on 6-18-2015 from rain and pumps quit working. On the 18 of June we also started using sewer plant #2, sewer overflow confirmation number 918C2F3A

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: 1506020031

Sample Date : 06/03/15

Collected By: WDS

Customer Name : CAVE SPRINGS, CITY OF

Sample Time : 1140

Delivery By : WDS

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

Sample Type : GRAB

Work Order :

Report Date : 06/09/15

Sample From : EFFLUENT DOSE TANK

Purchase Order :

Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
							% RPD	% Recovery	
06/05	1330	TSB	Ammonia Nitrogen	25.6 mg/L			SM 1997 4500-NH3 F	0.00	101.0 *
06/08	0830	TSB	Kjeldahl Nitrogen Total	26.90 mg/L			SM 1997 4500-NorgB	4.01	96.0 *
06/05	1100	TSB	Nitrate Nitrogen	10.02 mg/L			SM 2000 4500-NO3 E	0.00	100.8 *
06/04	1000	TSB	Nitrite Nitrogen	2.280 mg/L			SM 2000 4500 NO2 B	2.84	105.0
06/03	1140	WDS	pH	7.2 S.U.			SM 2000 4500-H+ B	0.00	N/A *
06/04	1030	TSB	Phosphorous, Total (as P)	5.0 mg/L			EPA 365.3	2.35	99.5 *
06/04	1300	KIK	Solids, Total Suspended	20.0 mg/L	(b)		SM 1997 2540 D	0.00	N/A *
06/03	1300	WDS	Coliform, Fecal	1500 /100ml			SM 1997 9222 D	0.00	N/A *
06/03	1200	KIK	BOD, Carbonaceous	6.0 mg/L			SM 2001 5210 B	19.61	89.6 *
06/04	1600	KIK	Solids, % Total	0.046 %			SM 1997 2540 G	21.28	N/A *
06/08	1620	TSB	Nitrogen, Plant Available	38.3 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 _____

Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT

P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

RETURN SERVICE REQUESTED

NORTHWEST AR P&DF

AR 727 1 L

02 JUL 2015 PM



ADEQ

Enforcement Section/Water Div.

5301 Northshore Dr.

North Little Rock, AR 72118

72118+5317

