

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, 91778

FACILITY NAME (IF DIFFERENT) Plant #1
FACILITY ADDRESS 1499 1/2 S. MAIN

PERMIT NO. 4893-WL-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 04-01-2012	TO 09-30-2012

TREATED WASTEWATER EFFLUENT/SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	5.7		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	7.4		S.U.	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	—	2.0		MG/L	ONCE/MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	—	2		N/100 ML	ONCE/MONTH	GRAB
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	17.00		MG/L	ONCE/MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	16.9		MG/L	ONCE/MONTH	GRAB
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	14.91		MG/L	ONCE/MONTH	GRAB
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		31.8		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	0.012			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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		TELEPHONE	DATE	
TYPED OR PRINTED				479	721-7539	10-08-2012
		COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)	AREA CODE	NUMBER	MM/DD/YYYY	

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: 1209020247
 Customer Name : CAVE SPRINGS, CITY OF
 Customer/Permit No. : 1826 / 4893-WR-2
 Report Date : 09/21/12

Sample Date : 09/13/12
 Sample Time : 1355
 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
09/20	0830	MNM	Ammonia Nitrogen	16.9 mg/L			SM 18th 4500-NH3 H	3.64	103.7 *
09/18	0800	KIK	Kjeldahl Nitrogen Total	17.00 mg/L			SM 18th 4500-NorgB	1.94	101.9
09/18	1000	KIK	Nitrate Nitrogen	13.14 mg/L			SM 18th 4500-NO3 E	13.95	87.0 *
09/14	0800	KIK	Nitrite Nitrogen	1.770 mg/L			SM 18th 4500 NO2 B	1.06	101.1 *
09/13	1355	KIK	pH	7.4 S.U.			SM 18th 4500-H+ B	1.38	N/A *
09/21	0900	KIK	Phosphorous, Total (as P)	5.7 mg/L			EPA 365.3	4.08	104.4 *
09/15	1200	SJI	Solids, Total Suspended	2.0 mg/L			SM 18th 2540D	0.00	N/A *
09/13	1640	MNM	Coliform, Fecal	2 /100ml			SM 18th 9222D	0.00	N/A *
09/14	1200	SJI	BOD, Carbonaceous	< 2.0 mg/L			SM 18th 5210B	0.00	115.0 *
09/20	1015	MNM	Solids, % Total	0.034 %			SM 18th 2540G	0.31	N/A *
09/20	1246	RHB	Nitrogen, Plant Available	31.8 mg/L			SM 18th 4500-NH3E		

* QA data shown is from a different sample or standard on the same date.

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.

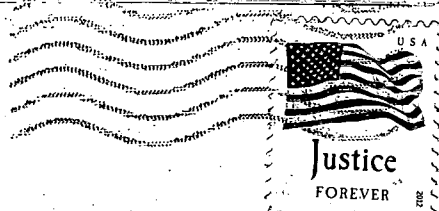
Signature

Richard Brown

Environmental Services Co., Inc.

City of Cave Springs
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09 OCT 2012 PM



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