## ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY MONTHLY MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION

City of Cave springs	FACILIDYANAME (IFIDIFFEREND) XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			4883-WEZ					
P.O. BOX36 Cave Spins Al 77718	1499 /Z S. MAIN		<del>रि</del>	04-0164Z					
MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE. SUBMIT LAB ANALYSES WITH THIS FORM. FROM	MM/DD/YYYY	EFFLUENT MONITORING PERIOD MM/DD/YY TO //-30-204	YY	·					
TREATED WASTEWATER EFFLUENT/SAMPLING AND									
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	5,6	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	6.4	S.U.	ONCE/ MONTH	GRAB				
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE		2,0	MG/L	ONCE/ MONTH	GRAB				
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	·	214	N/100 ML	ONCE/ MONTH	GRAB				
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	7.80	MG/L	ONCE/ MONTH	GRAB				
NITROGEN, AMMONIA TOTAL (AS NH₃N) EFFLUENT GROSS VALUE	*****	5,8	MG/L	ONCE/ MONTH	GRAB				
NITROGEN, NITRATE + NITRITE (AS NO₃N + NO₂-N) EFFLUENT GROSS VALUE	****	31.164	MG/L	ONCE/ MONTH	GRAB				
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		37,3	MG/L	ONCE/ MONTH	GRAB				
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL DAILY MAN	ii MGD	ONCE/ MONTH	TOTAL FLOW				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER   CERTIFY UNDER PENALTY OF LAW THAT		D AM WITH THE	. 0	TELEPHONE	DATE				
MACK A. SOLY TE INFORMATION SUBMITTED HEREIN; AND IMMEDIATELY RESPONSIBLE FOR OBTAINING AND CONTRACT AND CONT	IG THE INFORMATION I BELIEVE	THE SUBMITTED	Sagre	479 721-7539	12-02-2013				
TYPED OR PRINTED  WATER SUPERING AND CONTROL OF TYPED OR PRINTED  WATER SUPERING FALSE INFORMATION IS TRUE, ACCURATE, AND CONTROL OF TYPED OR PRINTED  IMPRISONMENT.		EVECULIAE	OF PRINCIPAL OFFICER OR ZED AGENT	AREA CODE NUMBER	MM/DD/YYYY				
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all att	achments here)								

## 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: 1311020050

Customer Name : CAVE SPRINGS, CITY OF

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

Report Date : 11/15/13

Sample Date : 11/06/13

Sample Time : 1235

Sample Type : GRAB

Sample From : EFFLUENT DOSE TANK

Collected By: KLK Delivery By : KLK

Work Order : Purchase Order :

<u>Laboratory Analysis</u> Analysis					Quality Assurance	
Date Time By	Parameter	Result Notes	Ouantity Method	Precision	Accuracy	
11/11 1415 TSB	Ammonia Nitrogen	5.8 mg/L		<u>% RPD</u>	<pre>% Recovery</pre>	
		7.80 mg/L	SM 18th 4500-NH3 H		85.0 *	
	Nitrate Nitrogen		SM 18th 4500-NorgB		103.0 *	
		30.86 mg/L	SM 18th 4500-NO3 E		96.3 *	
11/06 1235 KIK		0.304 mg/L	SM 18th 4500 NO2 B	0.00	89.0	
	•	6.4 S.U.	SM 18th 4500-H+ B	0.00	N/A *	
11/12 1515 TSB	Phosphorous, Total (as P)	<b>J</b> ,	EPA 365.3	2.35	105.0 *	
11/07 0900 TSB	Solids, Total Suspended	< 2.0 mg/L	SM 18th 2540D	0.00	N/A *	
11/06 1415 MNM	•	214 /100ml	SM 18th 9222D	3.74	N/A	
11/06 1400 TSB	BOD, Carbonaceous	2.0 mg/L	SM 18th 5210B	0.00	102.0 *	
11/12 1420 KIK	Solids, % Total	0.204 %	SM 18th 2540G	20.15	N/A	
11/15 1300 TSB	Nitrogen, Plant Available	37.3 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

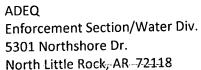
Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT
P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

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