

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 # 2
FACILITY ADDRESS 498 Pebble Beach

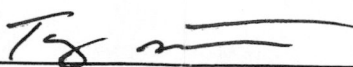
PERMIT NO. 4893-WR-2
AFIN NO. 04-01642

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

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY FROM 12/01/2015	MM/DD/YYYY TO 12/31/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) GROSS VALUE	*****	4.9	MG/L	ONCE/MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	_____	5.0	MG/L	ONCE/MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	6.5	S.U.	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	_____	16.0	MG/L	ONCE/MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	_____	2500	N/100 ML	ONCE/MONTH	GRAB	
NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE	*****	13.40	MG/L	ONCE/MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS NH ₃ N) EFFLUENT GROSS VALUE	*****	3.2	MG/L	ONCE/MONTH	GRAB	
NITROGEN, NITRATE + NITRITE (AS NO ₃ N + NO ₂ -N) EFFLUENT GROSS VALUE	*****	32.79	MG/L	ONCE/MONTH	GRAB	
PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE		39.1	MG/L	ONCE/MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	MGD	ONCE/MONTH	TOTAL FLOW
		2.27	.42			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tony Merworth	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
		479 295-3013	01/04/2016	
AREA CODE	NUMBER	MM/DD/YYYY		

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 Sludge pumping time to help reduce TSS. we have Taken on a lot of I/I during our last rain event on 12/26 - 12/28. Typically we Treat 40,000 gal/perday, we treated 418,500 perday during this rain event, exceeding this plant's Design Capacity. NO overFlows just exceeded capacity.

Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

G:\W\ JC\FORMS\CHAIN.XLS

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: 1512020021
Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2
Customer/Permit No. : 2379 / 4893-WR-2 002
Report Date : 12/09/15

Sample Date : 12/01/15
Sample Time : 1150
Sample Type : GRAB
Sample From : EFFLUENT DIVERTER BX

Collected By: WDS
Delivery By : WDS
Work Order :
Purchase Order :

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
12/02	0900	TSB	Ammonia Nitrogen	3.2 mg/L			SM 1997 4500-NH3 F	1.09	103.9 *
12/08	0830	TSB	Kjeldahl Nitrogen Total	13.40 mg/L			SM 1997 4500-NorgB	0.00	101.5 *
12/07	1300	TSB	Nitrate Nitrogen	32.40 mg/L			SM 2000 4500-NO3 E	0.12	101.2 *
12/02	0945	TSB	Nitrite Nitrogen	0.390 mg/L			SM 2000 4500 NO2 B	0.00	100.0
12/01	1150	WDS	pH	6.5 S.U.			SM 2000 4500-H+ B	0.00	N/A *
12/07	1000	TSB	Phosphorous, Total (as P)	4.9 mg/L			EPA 365.3	0.00	100.0 *
12/04	0930	TSB	Solids, Total Suspended	16.0 mg/L	(b)		SM 1997 2540 D	0.00	N/A *
12/01	1630	TSB	Coliform, Fecal	2500 /100ml			SM 1997 9222 D	0.00	N/A *
12/02	1200	TSB	BOD, Carbonaceous	5.0 mg/L			SM 2001 5210 B	25.51	101.9 *
12/04	0920	TSB	Solids, % Total by mass	0.042 %			SM 1997 2540 G	9.52	N/A
12/08	1600	TSB	Nitrogen, Plant Available	39.1 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

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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 Bromm

Environmental Services Co., Inc.

CAVE SPRINGS WATER DEPARTMENT

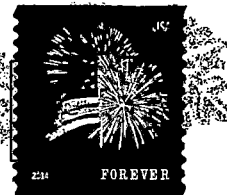
P.O. Box 5

CAVE SPRINGS, ARKANSAS 72718

RETURN SERVICE REQUESTED

NW ARKANSAS AR 727

05 JAN 2016 PM 2 1



ADEQ
Enforcement Section/Water Div.
5301 Northshore Drive
North Little Rock, AR 72118

72118+5317

