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

PERMITTEE NAME	.]
CANE ISLAND SUBDIVISION	
PERMITTEE ADDRESS	
DANNY HAMES	
6800 SHADOW VALLEY ROAD	
Rogers, AR 72756	

	FACILITY NAME (IF D	IFFERENT)
	Cane Island Subd	livision
· · · · · ·	FACILITY ADDR	RESS
west	side of CR 7002 in north	nern Marion County

PI	ERMIT N	D.
4	899-WR-	2
e i	afin no.	
-	45-00214	1

	WASTEWATER	FFLUENT MONITORING PERIOD
	MM/DD/YYYY	MM/DD/YYYY
FROM	2/1/2018	2/28/2018

	TREATED WASTE	WATER EFFLUENT S	AMPLING				- £	
PARAMETER	PERMIT REQUIREMENT	ERMIT REQUIREMENT SAMPLE MEASUREMENT				QUENCY OF	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	6.46		MG/L	ONCE/ MONTH		GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	2		MG/L		ONCE/ MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	4.5		S.U.		ONCE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	<1		MG/L		ONCE/ MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	REPORT	5.34		MG/L		ONCE/ MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	4	colonies/100ml		ONCE/ MONTH	GRAB		
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	45.2		MG/L	ONCE/ MONTH		GRAB	
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	36.2		MG/L	ONCE/ MONTH		GRAB	
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.153		MG/L	ONCE/ MONTH		GRAB	
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	53.65		MG/L	ONCE/ MONTH		GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL 12,780	DAILY MAX 963	GPD	ONCE/ MONTH		TOTAL FLOW	
	LAW THAT I HAVE PERSONALLY EX	h/		20	TELEPHONE		DATE	
INDIVIDUALS IMMEDIATELY RE	TTED HEREIN; AND BASED ON MY INC SPONSIBLE FOR OBTAINING THE RMATION IS TRUE, ACCURATE, AND O	INFORMATION, 1 / les	SIGNATURE OF	Dever PRINCIPAL	479	530-5926	3/6/2018	
AWARE THAT THERE ARE	SIGNIFICANT PENALTIES FOR SUE POSSIBILITY OF FINE AND IMPRISONM	SUBMITTING FALSE EXECUTIVE OPFICER OR			AREA CODE	NUMBER	MM/DD/YYYY	
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference a	all attachments here)	We feel the pH was	low due to ve	ry low flows in the s	ystem,	We will check,	monitor and report.	

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: 1802010081

Customer Name : CANE ISLAND ESTATES POA

Customer Number: 3859 Report Date: 02/20/18 Sample Date : 02/01/18

Sample Time : 1040

Sample Type : GRAB WWATER
Sample From : FINAL EFFLUENT

Collected By: TCF Delivery By : TCF

Work Order: Purchase Order:

		Laboratory Analysis	1		Quality A	Assurance
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes Quantity	Method	~ RPD	% Recovery
02/07 1130 PDH	Ammonia Nitrogen	5.34 mg/L		HACH 10205	6.99	105.0 *
02/06 1430 CLB	Kjeldahl Nitrogen Total	45.20 mg/L		SM 1997 4500-NorgB		99.4 *
02/06 1000 CLB	Nitrate Nitrogen	36.2000 mg/L		SM 2000 4500-NO3 E		94.5 *
02/06 1500 TCF	Nitrite Nitrogen	0.1530 mg/L		HACH 10206	0.00	95.2 *
02/01 1042 TCF	Нq	4.5 S.U.		SM 2000 4500-H+B	0.00	N/A *
02/02 1500 TCF	Phosphorous, Total (as P)	6.460 mg/L		HACH 10209	0.79	100.0 *
02/07 0900 JJM	Solids, Total Suspended	< 1.00 mg/L		SM 1997 2540 D	0.00	N/A *
02/07 1300 NTR	Nitogen, Plant Available	53.65 mg/L		33 MSA 2nd Ed	0.00	74/14
02/01 1630 CLB	Fecal Coliform	4.1 /100m	П	06/2012 Colilert18	0.00	NT / T
02/02 0700 DWC	BOD, Carbonaceous	2.00 mg/L		SM 2001 5210 B		, N/A
02/02 0600 NTR	Solids, % Total	0.070 %			0.00	91.4 *
02,02 0000 NIK	DOLLAD, & TOCAL	0.070 %		SM 1997 2540 G	3.08	N/A *

* 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.

Environmental Services Company, Inc. Corporate Office

13715 West Markham

Phone: 501-221-2565

P.O. Box 55146

Fax: 501-221-1341

Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Client Information			Project Information					Requested Param				neters							
Client:	Cane Island Estate	s POA		Permit/Pro	ject #:														
Address:	39 Nottingham Lar	ie	Purchase Orde Work Order#		Order #:					Total Sol %(82)			}						
<u></u>	Rogers, AR 72758				Nork Order # 111816-AEG2				Sol 3			'							
Phone:	479-619-8450							Sampler N	ame(s):	Tre	401 F	orthin		ogal .	1	15.A	ଜ		
Fax:	rhames@nwark.co	<u>m</u>		1						(19)	Ammonia(15.A)	1 P(2	Ē						
Contact:			and Signature(s):		Um	Ineu Fred				itrite	Ĕ	Tota	(43)						
ESC Client Number:	3	859		1						CBOD(70),	(S)	7	ž	Coliform(43.IF)					
Sample I	dentification		Sample	Collection			Sample Containers			# TSS(28),	Nitrate(18), Nitrite(19)	TKN(16.A),	PAN(33.PN), Total P(25)	<u> </u>					
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserv	ative	# 82	Nitra	X	PAN	Fecal					
Final Effluent	1802010081	2-1-18	1040	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° (;	х	x								
	j	1	Ì	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2				X	Х						
	+	J	I	Grab	Wwater	Whirlpak	4 oz.	Cool <10° C, Na252O3						х					
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Relievished Sur (Sleed, and S								<u> </u>											
Relinquished By: (Signature and P	Tulled Marile)	Date	Time	Received By: (Signature and Printed Name)			Date	l l		Custody Seals: Used?		i	Intact?						
Relinquished By: (Signature and P	rinted Name)	Date	Time	Received By: (Signature and Printed Name)			Date	1		urnaround: /		/ I							
Relinguished By: Signature and P	Printed Name)	2-1-18	18ib	Received for Gab	By: (Signature and	Printed Name	2)	Date	Time	Regi Wer			operly	Special preserved					
Relinguished By Sanature and Printed Name) For them 2-1-18 18:16 Comments:		Kuh]	Flow D	Ki chan	Field Test	2-1-18 Time	1610 Analyst		Yes	V Resu	.14	No							
Site Addre	ess: 1364 Cane Island Roa	d			1 1011 2		pH:	1042	TOF	_	o 5	Rest		Uni	s SU				
	Flippin, AR 72634	·····	· · · · · · · · · · · · · · · · · · ·						,,,,	工									
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	· · · · · · · · · · · · · · · · · · ·						Fecal Start:	1630	CIN	This	Doci	ument	is Pa	ige / of	T				