### ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

## MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION NO DISCHARGE MONTHLY MONITORING REPORT

 PERMITTEE NAME	,
Cane Island Estates LLC	
PERMITTEE ADDRESS	
Danny Hames	
39 Nottingham Lane	
Rogers, AR 72758	

FACILITY NAME (IF DIFFERENT	)
Cane Island Subdivision	
FACILITY ADDRESS	
CR 7002 Bull Shoals Rd. Marion Co	ounty

PERMIT NO.	
4899-WR-3	
AFIN NO.	
45-00214	
	4899-WR-3 AFIN NO.

MONITORING PERIOD									
MM/DD/YYYY	TO	MM/DD/YYYY							
10/1/2019		10/31/2019							

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS												
PARAMETER				PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS		QUENCY OF NALYSIS	SAMPLE TYPE		
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)			30		< 2	MG/L						
TOTAL SUSPENDED SOLIDS (TSS)			45		< 2	MG/L	]					
FECAL COLIFORM BACTERIA (FCB)			2000		< 1	COLONIES/100ml	Once per Month / Grab					
рH					6.0 - 9.0	7.	s.u	s.u				
TOTAL PHOS	PHOROUS (1	'P)			Report	6.	3	MG/L				
TOTAL KJELDAHL NITROGEN (TKN)				Report	3:	2	MG/L					
NITROGEN AMMONIA NITROGEN (NH 3 - N)				Report	0.0	0.02		Once per Quarter / Grab				
NITRITE NITROGEN (NO 3 - N ) + NITRATE NITROGEN (NO 2 - N )		Report		15.6		MG/L		er / Grab				
PLANT AVAILABLE NITROGEN (PAN)			Report		25.06		MG/L					
TOTAL FLOW				MONTHLY TOTAL	DAILY MAX	GPD						
TOTAL FLOW	OTAL FLOW				20,479 1,067			<u> </u>				
	· · · · · · · · · · · ·		DRIP ZONES	LOADI	NG RATE LIMITS, MON	ITORING AND REP	PORTING REQUI	REMENTS		·		
Zone ID	Limit	Units	Maximum Volume Limit	Units	Monitoring	Reported r	maximum					
Zone 1	0.62	and the	1,067	gpd	Daily	1,0	67					
Zone 2	0.62	gpd/ft 2	Not Used	gpd	Daily	Not U	Jsed					
NAME/TITLE PE	RINCIPAL EXECUT	IVE OFFICER	I CERTIFY UNDER PENALTY OF I			AMINED AND AM	1 Mm " 1	NH	TE	LEPHONE		
				LAW THAT I HAVE PERSONALLY EXAMINED AND AM TED HEREIN; AND BASED ON MY INQUIRY OF THOSE SPONSIBLE FOR OBTAINING THE INFORMATION, I			NU 11					
								479	530-5926	11/14/2019		
	athy Bartlet	<u> </u>		GNIFICANT PENALTIES FOR SUBMITTING FALSE		OICHAIGHE G. THINGH AL		AREA MUMPER				
TYPED OF PRINTER			OSSIBILITY OF FINE AND IMPRISONMENT. AUTHORIZED				CODE	NUMBER	MM/DD/YYYY			
COMMENTS	AND EXPLA	NATION O	F VIOLATIONS (Reference all	attach	ments here)							
1												

#### 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: 1910010098

Customer Name : CANE ISLAND ESTATES POA

Customer Number: 3859

Report Date: 10/18/19

Sample Date : 10/03/19

Sample Time : 0940

Sample Type : GRAB WWATER
Sample From : FINAL EFFLUENT

Collected By: NTR

Delivery By : NTR Work Order :

Purchase Order :

	Quality A	<u>Issurance</u>					
Analysis						Precision	Accuracy
Date Time By	<u>Parameter</u>	Result N	<u>lotes</u>	Quantity	Method	% RPD	% Recovery
10/07 1450 DWC	Ammonia as N, (HACH/SM)	$0.02~{ m mg/L}$			H/SM 11 10205/4500	0.00	102.1 *
10/08 1030 TCF	Total Kjeldahl Nitrogen	31.5 mg/L			02/2014 HACH 10242	2.53	101.6 *
10/03 0941 NTR	рН	7.9 S.U.			SM 2011 4500-H+B	0.00	N/A *
10/08 0830 TCF	Phosphorous, Total (as P)	6.300 mg/L			HACH 10209	6.67	99.8 *
10/07 1045 PJC	Solids, Total Suspended	< 2.50 mg/L			SM 2011 2540 D	0.00	N/A *
10/16 1500 PJC	Nitrogen, Plant Available	25.06 mg/L			33 MSA 2nd Ed	0.00	100.0 *
10/03 1445 JK	Fecal Coliform	< 1.0 /100ml			06/2012 Colilert18	0.00	N/A *
10/04 0640 DWC	BOD, Carbonaceous	< 2.00  mg/L			SM 2011 5210 B	0.00	98.2 *
10/10 1100 PJC	Nitrate + Nitrite	15.60 mg/L			HACH 10206	2.35	100.6 *

\* 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.

20,479

# Environmental Services Company, Inc. Corporate Office

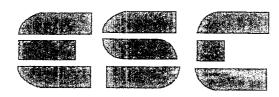
13715 West Markham

P.O. Box 55146

Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565 Fax: 501-221-1341



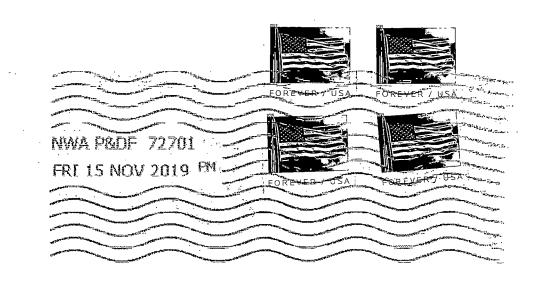
Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Pr	oject In	formation	1				Rec	lues	ted	Par	ame	eters	
Client:		Cane Island Estate	es POA		Permit/Project #:														
Address:	39 Nottingham Lane			Purchase Order #:							1			ĺ					
_	Rogers, AR 72758				Work Ord	Work Order # 111816-AEG2							7			'			
Phone:	e: 479-619-8450				Sampler N	Name(s):		Jed R	رده ۲۵۸					Ammonia(15.A)					
Fax:										6		onia	i	Ē		1			
Contact:	tact: Mr. Rusty Hames				and Signa	ture(s):		Med	9, ,-	~		CBOD(70)	<del>-</del>	E E		143			í
ESC Client Nu	mber:	3859	Quarterly			, ,			Y				2 (91)	11 1	(2)	iforn	Σ̈́	1	
Saı	mple Ideni	tification		Sample	Collection			Sample	Container	s		(28),	S V	(16.4	P (6	8	(33		
Identifica	tion	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserv	ative #		TSS(28),	NO3+NO2	TKN(16.A),	Total P (25)	Fecal Coliform(43.IF)	PAN (33.PN)		
Final Effluent		1910010098	10-3-19	09.40	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6°	c	1	X	Γ.						
					Grab	Wwater	Plastic	1 Liter	Cool ≤ 8° C, H2SO4 to pH <2		1		х	Х	Х				
					Grab	Wwater	Plastic	100mls	Cool <10° C, Na2S2O3		1					х			_
					Grab	Wwater	Glass	1 Liter	Cool ≤ 6°	2	1						х		_
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Relinquished By: (Signa	iture and Printed	Name)	Date	Time	• • • • • • • • • • • • • • • • • • • •					dy Se						-			
Relinquished By: (Signa	lture and Printed	Name)	Date	Time	Received By: (Signature and Printed Name) Date Time				Used? (A) Intact?						_				
Polinguished Bur 4Signa	ture and Printed	Novel	Data	<b>~</b> :					Regular				Special .						
Relinguished By, (Signature and Printed Name)  Date Time  1013-119-1430				Received for Lab	Received for Lab By (Signature and Printed Name)  Date  Time  10-3-19  1430			e O	Were samples pro			perly	perly preserved: No						
Comments:					Flow D	ata	Field Test	Time			Resu								
Site Address: 1364 Carle Island Road Flippin, AR 72634				V		-	pH:	0941	4/2	2	7.	9	7,0	红		SL	<u> </u>	$\Box$	
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								Fecal Start:	<i>ાં</i> પુષ્ડ	161	<u>C</u>	This	Docu	ment	is Pa	ge 🕽	of_i		

NWA Utility Sewicul PO POXX 9299 FAYLTTEVIIIE, AR 72703



APEQ Water DIVISION Permits Branch 5301 Northshore Dr North LITTLE ROCK, AR 72118-5317