

**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

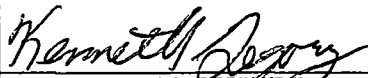
FACILITY NAME (IF DIFFERENT)
Cane Island Subdivision
FACILITY ADDRESS
CR 7002 Bull Shoals Rd. Marion County

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

MONITORING PERIOD		
MM/DD/YYYY	TO	MM/DD/YYYY
4/1/2019		4/30/2019

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS					
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	4.5	MG/L	Once per Month / Grab	
TOTAL SUSPENDED SOLIDS (TSS)	45	2.6	MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	5	COLONIES/100ml		
pH	6.0 - 9.0	6.4	s.u		
TOTAL PHOSPHOROUS (TP)	Report	7.5	MG/L	Once per Quarter / Grab	
TOTAL KJELDAHL NITROGEN (TKN)	Report	64	MG/L		
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report	7.47	MG/L		
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report	75.43	MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	99.91	MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD	
		19,247	1,796		

DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS						
Zone ID	Limit	Units	Maximum Volume Limit	Units	Monitoring	Reported maximum
Zone 1	0.62	gpd/ft ²	15,653	gpd	Daily	1,796
Zone 2	0.62		37,529	gpd	Daily	NOT USED

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM AWARE OF 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		
			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments 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: 1904010090
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 04/24/19

Sample Date : 04/11/19
 Sample Time : 1316
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

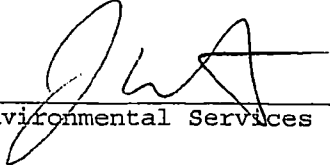
Collected By: BDG
 Delivery By : BDG
 Work Order :
 Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
04/12	1430	TCF	Ammonia as N, (HACH/SM)	7.47 mg/L		H/SM 11 10205/4500	1.63	103.6 *
04/18	1500	TCF	Total Kjeldahl Nitrogen	64.2 mg/L		02/2014 HACH 10242	1.75	110.0 *
04/11	1318	BDG	pH	6.4 S.U.		SM 2000 4500-H+B	1.65	N/A *
04/18	0900	TCF	Phosphorous, Total (as P)	7.500 mg/L		HACH 10209	0.42	101.5 *
04/15	1600	DWC	Solids, Total Suspended	2.60 mg/L		SM 2011 2540 D	4.26	N/A *
04/23	1630	PJC	Nitrogen, Plant Available	99.91 mg/L		33 MSA 2nd Ed	0.00	100.0 *
04/11	1730	BDG	Fecal Coliform	5.0 /100ml		06/2012 Colilert18	0.00	N/A *
04/12	0700	DWC	BOD, Carbonaceous	4.50 mg/L		SM 2011 5210 B	0.00	102.0 *
04/17	1530	JJM	Nitrate + Nitrite	75.43 mg/L		HACH 10206	0.52	96.9 *

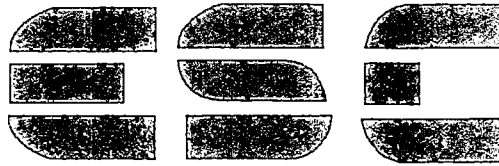
* QA data shown is from a different sample or standard on the same date.

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 P.O. Box 55146
 Little Rock, AR 72211 Little Rock, AR 72215
 website: www.esclabs.com



Springdale, Arkansas
 479-750-1170
 Carlsbad, New Mexico
 575-887-1ESC

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

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters					
Client: Cane Island Estates POA						Permit/Project #:					TSS(28), CBOD(70)	NO3+NO2 (91)	TKN(16.A), Ammonia(15.A)	Total P (25)	Fecal Coliform(43.IF)	PAN (33.PN)
Address: 39 Nottingham Lane						Purchase Order #:										
Rogers, AR 72758						Work Order # 111816-AEG2										
Phone: 479-619-8450						Sampler Name(s):										
Fax: rham@nwark.com						and Signature(s): <i>Brett Holden</i>										
Contact: Mr. Rusty Hames																
ESC Client Number: 3859 Quarterly																
Sample Identification		Sample Collection				Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
Final Effluent	1904010090	4-11-19	1316	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X						
	I	I	I	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X	X			
				Grab	Wwater	Plastic	100mls	Cool ≤ 6° C, Na2S2O3	1					X		
				Grab	Wwater	Glass	1 Liter	Cool ≤ 6° C	1						X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used? <input checked="" type="checkbox"/>		Intact? <input type="checkbox"/>				
<i>Brett Holden</i>		4-11-19	1725	<i>Secure Cooler B6</i>		4-11-19	1725	Turnaround:		Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>				
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>				
<i>received from secure cooler</i>		4-12-19	0640	<i>Anna Cant and Kollant</i>		4-12-19	0640									
Comments:						Flow Data	Field Test	Time	Analyst	Result	Result	Units				
Site Address: 1364 Cane Island Road							pH:	1318	B06	6.4		SU				
Flippin, AR 72634																
						Fecal Start:	1730	B06	This Document is Page 1 of 1							

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