

**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
1/1/2020		1/30/2020

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS						
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	2.6		MG/L	Once per Month / Grab	
TOTAL SUSPENDED SOLIDS (TSS)	45	< 2.5		MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	115.3		COLONIES/100ml		
pH	6.0 - 9.0	7.2		s.u		
TOTAL PHOSPHOROUS (TP)	Report	4.82		MG/L		
TOTAL KJELDAHL NITROGEN (TKN)	Report	41		MG/L	Once per Quarter / Grab	
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report	0.06		MG/L		
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report	26.2		MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	38.45		MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD		
		16,913	803			

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	15,563	gpd	Daily	803
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)

K Bartlett

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: 2001010054
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 01/21/20

Sample Date : 01/09/20
 Sample Time : 1055
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

Collected By: HMK
 Delivery By : HMK
 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>
01/13	1400	DWC	0.06 mg/L			H/SM 11 10205/4500	3.52	93.4 *
01/17	1610	NTR	40.7 mg/L			02/2014 HACH 10242	2.79	92.5 *
01/09	1055	HMK	7.2 S.U.			SM 2011 4500-H+B	1.38	N/A
01/17	1700	NTR	4.820 mg/L			HACH 10209	2.60	104.1 *
01/10	0800	PJC	< 2.50 mg/L			SM 2011 2540 D	3.33	N/A *
01/17	1630	NTR	38.45 mg/L			33 MSA 2nd Ed		
01/09	1730	TMO	115.3 /100ml			06/2012 Colilert18	0.00	N/A *
01/10	0630	DWC	2.60 mg/L			SM 2011 5210 B	0.00	103.7
01/17	1500	NTR	26.20 mg/L			HACH 10206	0.41	98.9 *

* 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.

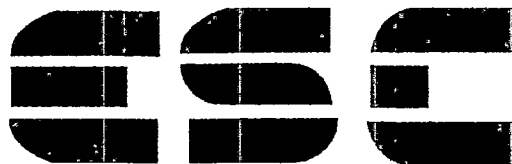
Signature _____

Environmental Services Co., Inc.

16,913
803

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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

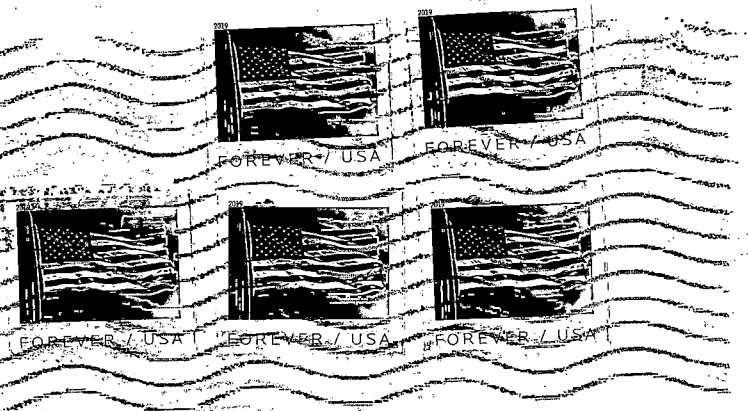
Client Information						Project Information					Requested Parameters					
Client: Cane Island Estates POA						Permit/Project #:					TSS(28), CBOD(70)	NO3+NO2 (91)	TKN(16.A), Ammonia(15.A)	Total P (25)	Fecal Coliform(43.IF)	PAN (33.PN)
Address: 39 Nottingham Lane						Purchase Order #:										
Rogers, AR 72758						Work Order # 111816-AEG2										
Phone: 479-619-8450						Sampler Name(s): Hayden Kelly										
Fax: rhames@nwork.com						and Signature(s):										
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	2001010054	1/9/20	10:55	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X						
				Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X	X			
				Grab	Wwater	Plastic	100mls	Cool <10° C, Na2S2O3	1					X		
				Grab	Wwater	NA	NA	NA							X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>				
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	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:							
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Comments:						Flow Data	Field Test	Time	Analyst	Result	Result	Units				
Site Address: 1364 Cane Island Road							pH:	10:55	HML	7.29	7.30	SU				
Flippin, AR 72634																
						Fecal Start:	1730	TMD	This Document is Page 1 of 1							

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NWA UTILITY SERVICES, INC

PO Box 9299
Fayetteville, AR
72703

Little Rock
SAT 15 FEB



ADEQ
WATER DIV. Permits
Branch
5301 Northshore Dr
N Little Rock, AR

72118-5317