

**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
5/1/2020		5/31/2020

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS					
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	< 2.0	MG/L	Once per Month / Grab	
TOTAL SUSPENDED SOLIDS (TSS)	45	< 10.00	MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	145.0	COLONIES/100ml		
pH	6.0 - 9.0	6.7	s.u		
TOTAL PHOSPHOROUS (TP)	Report	5.81	MG/L	Once per Quarter / Grab	
TOTAL KJELDAHL NITROGEN (TKN)	Report	52	MG/L		
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report	0.11	MG/L		
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report	19.6	MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	35.21	MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD	
		19,829	1,079		

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	1,079
Zone 2	0.62		37,529	gpd	Daily	Not Used

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Kathy Bartlett	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		
				479	530-5926	6/15/2020
TYPED OR PRINTED				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: 2005010146
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 05/14/20

Sample Date : 05/07/20
 Sample Time : 1042
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

Collected By: NTR
 Delivery By : NTR
 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>	<u>% Recovery</u>
05/07	1043	NTR	pH	6.7 S.U.		SM 2011 4500-H+B	0.00	N/A
05/11	0755	NTR	Phosphorous, Total (as P)	5.810 mg/L		HACH 10209	0.68	90.0
05/11	1330	KNM	Solids, Total Suspended	< 10.00 mg/L		SM 2011 2540 D	2.15	N/A *
05/07	1600	KNM	Fecal Coliform	145.0 /100ml		06/2012 Colilert18	3.51	N/A *
05/08	0645	DWC	BOD, Carbonaceous	< 2.00 mg/L		SM 2011 5210 B	0.00	102.4

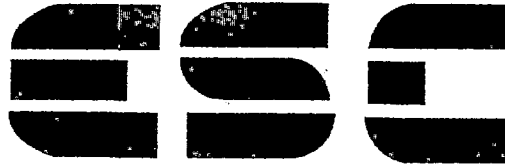
* QA data shown is from a different sample or standard on the same date.

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 *Krist Mullis*
 Environmental Services Co., Inc.

AM
 19,829
 1,079

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)	Total P(25)	Fecal Coliform(43.IF)						
Address: 39 Nottingham Lane				Purchase Order #:															
Rogers, AR 72758				Work Order # 111816-AEG2															
Phone: 479-619-8450				Sampler Name(s): Ned Ryerson															
Fax: rhames@nwark.com				and Signature(s): Ned Ryerson															
Contact: Mr. Rusty Hames																			
ESC Client Number: 3859 Monthly																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Final Effluent	2005010146	5-7-20	1042	Grab	Wwater	Plastic	1/2 Gal	Cool < 6° C	1	X									
I	I	I	I	Grab	Wwater	Plastic	1 Liter	Cool < 6° C, H2SO4 to pH < 2	1	X									
				Grab	Wwater	Whirlpak	4 oz.	Cool < 10° C, Na2S2O3	1	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: 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:		1043	NDL	6.7	6.7	SU							
Flippin, AR 72634																			
						Fecal Start:		1600	KNM	This Document is Page 1 of 1									

AW

 *NWA Utility Services Inc*
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
5301 Northshore Drive
N Little Rock, AR 72118-5317