

**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
4/1/2020		4/30/2020

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS					
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	< 2.0		MG/L	Once per Month / Grab
TOTAL SUSPENDED SOLIDS (TSS)	45	5.2		MG/L	
FECAL COLIFORM BACTERIA (FCB)	2000	< 1.0		COLONIES/100ml	
pH	6.0 - 9.0	< 1.0		s.u	
TOTAL PHOSPHOROUS (TP)	Report	5.86		MG/L	
TOTAL KJELDAHL NITROGEN (TKN)	Report	52		MG/L	Once per Quarter / Grab
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	
		21,932	784		

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	785
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 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.			TELEPHONE	
Kathy Bartlett					479 530-5926	
TYPED OR PRINTED					5/12/2020	
					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: 2004010061
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 04/13/20


Sample Date : 04/02/20
 Sample Time : 0922
 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>
04/06	1000	DWC	Ammonia as N, (HACH/SM)	0.11 mg/L		H/SM 11 10205/4500	2.70	95.9 *
04/07	1100	NTR	Total Kjeldahl Nitrogen	51.8 mg/L		02/2014 HACH 10242	0.00	98.8 *
04/02	0923	NTR	pH	6.7 S.U.		SM 2011 4500-H+B	0.00	N/A *
04/10	0900	NTR	Phosphorous, Total (as P)	5.860 mg/L		HACH 10209	0.62	90.0' *
04/06	1015	NTR	Solids, Total Suspended	5.20 mg/L		SM 2011 2540 D	0.00	N/A *
04/07	1200	NTR	Nitrogen, Plant Available	35.21 mg/L		33 MSA 2nd Ed		
04/02	1625	NTR	Fecal Coliform	< 1.0 /100ml		06/2012 Colilert18	0.00	N/A *
04/03	0650	DWC	BOD, Carbonaceous	< 2.00 mg/L		SM 2011 5210 B	0.00	99.4 *
04/06	1400	PDH	Nitrate + Nitrite	19.60 mg/L		HACH 10206	1.70	102.0 *

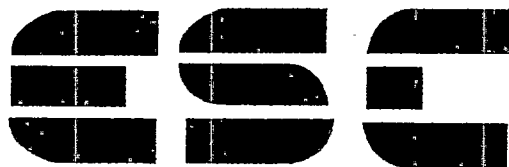
* QA data shown is from a different sample or standard on the same date.

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.

KNM
 217 932
 784

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

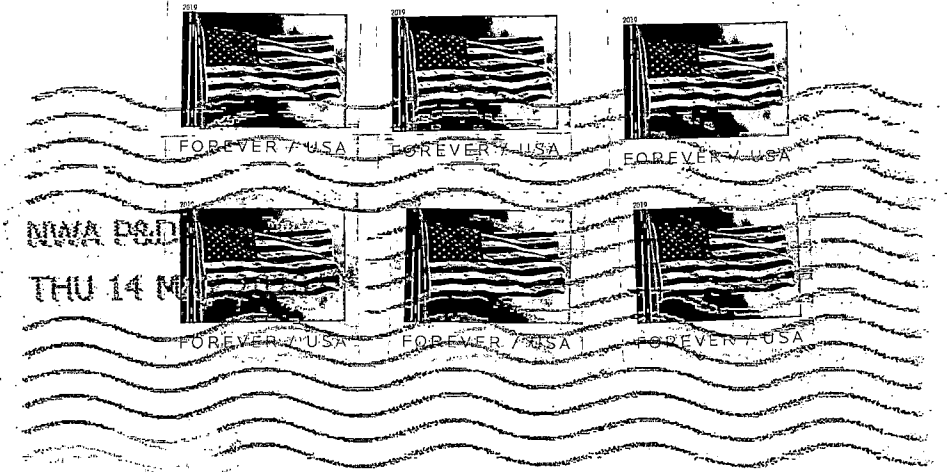
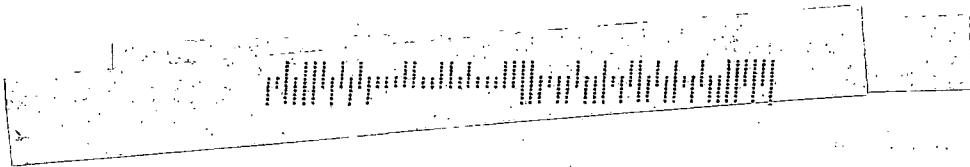
Carlsbad, New Mexico
 575-887-1ESC


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 Rogers, AR 72758			Purchase Order #:													
Phone:	479-619-8450			Work Order #	111816-AEG2												
Fax:	rhames@nwark.com			Sampler Name(s):	Ned Ryerson												
Contact:	Mr. Rusty Hames			and Signature(s):	<i>Ned Ryerson</i>												
ESC Client Number:	3859 Quarterly																
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
Final Effluent	200-010061	4-2-20	0922	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"/>	Turnaround:				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>	Were samples properly preserved:				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Comments:		Site Address: 1364 Cane Island Road Flippin, AR 72634		Flow Data	Field Test	Time	Analyst	Result	Result	Units							
					pH:	0923	NTR	6.7	6.7	SU							
					Fecal Start:	1025	NTR	This Document is Page 1 of 1									

CA



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

ADEQ
Water Division/Branch
5301 Northshore Dr
N Little Rock, AR 72118