

**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
2/1/2021		2/28/2021

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS					
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD ₅)	30	2.6		MG/L	Once per Month / Grab
TOTAL SUSPENDED SOLIDS (TSS)	45	< 3.30		MG/L	
FECAL COLIFORM BACTERIA (FCB)	2000	46.4		COLONIES/100ml	
pH	6.0 - 9.0	7.4		s.u	
TOTAL PHOSPHOROUS (TP)	Report	5.920		MG/L	Once per Quarter / Grab
TOTAL KJELDAHL NITROGEN (TKN)	Report			MG/L	
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report			MG/L	
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report			MG/L	
PLANT AVAILABLE NITROGEN (PAN)	Report			MG/L	
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD	
		15,024	978		

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	978
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		
Kathy Bartlett			479	530-5926	3/10/2021
TYPED OR PRINTED			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: 2102010195
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 02/12/21

Sample Date : 02/04/21
 Sample Time : 1250
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

Collected By: JGK
 Delivery By : JGK
 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>
02/04	1255	JGK	pH	7.4	S.U.	SM 2011 4500-H+B	0.00	N/A
02/08	1030	KNM	Phosphorus, Total (as P)	5.920	mg/L	HACH 10209	1.93	102.0 *
02/05	1135	KNM	Solids, Total Suspended	< 3.30	mg/L	SM 2011 2540 D	18.26	N/A *
02/04	1700	EDA	Fecal Coliform	46.4	/100ml	06/2012 Colilert18	0.00	N/A *
02/05	0636	BXW	BOD, Carbonaceous	2.6	mg/L	SM 2011 5210 B	0.00	102.0 *

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

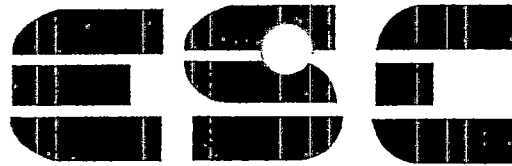
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

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978

Signature Krist Mullis
 Environmental Services Co., Inc.

ML

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

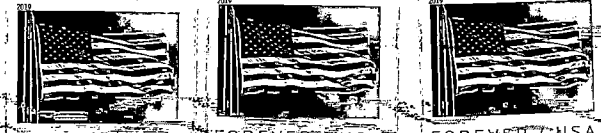
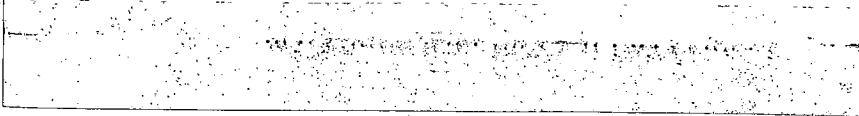
Carlsbad, New Mexico
 575-887-1ESC

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(43.1F)							
Address: 39 Nottingham Lane				Purchase Order #:													
Rogers, AR 72758				Work Order # 111816-AEG2													
Phone: 479-619-8450				Sampler Name(s): J. Koernschid													
Fax: rhames@nwork.com				and Signature(s):													
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	2102610195	2/4/21	1250	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						
				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:							
										Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>				
Relinquished By: (Signature and Printed Name)		Date	Time	Received 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:							
J. Koernschid		2/4/21	1250					2-4-21	1250	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:		1255	JW	7.4	7.4	SU					
Flippin, AR 72634																	
								Fecal Start:	1700	ERR	This Document is Page 1 of 1						

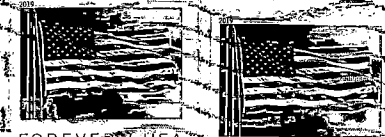
EA




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NWA PSDF 72701

THU 11 MAR 2021



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

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