

**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
2/1/2020		2/29/2020

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS						
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	< 2.00		MG/L	Once per Month / Grab	
TOTAL SUSPENDED SOLIDS (TSS)	45	< 2.5		MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	2.0		COLONIES/100ml		
pH	6.0 - 9.0	8.3		s.u		
TOTAL PHOSPHOROUS (TP)	Report	6.03		MG/L		
TOTAL KJELDAHL NITROGEN (TKN)	Report			MG/L	Once per Quarter / Grab	
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		
		12,167	623			

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	623
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 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	3/13/2020
TYPED OR PRINTED				AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 Lab allowed the sample for the fecal to sit too long before testing so a second sample was drawn for accurate testing

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: 2002010160
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 02/17/20

Sample Date : 02/06/20
 Sample Time : 1210
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

Collected By: TMO
 Delivery By : TMO
 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>
02/06	1214	TMO	pH	8.3 S.U.		SM 2011 4500-H+B	0.00	N/A
02/10	1130	TCF	Phosphorous, Total (as P)	6.030 mg/L		HACH 10209	2.15	93.6 *
02/13	1312	ATL	Solids, Total Suspended	< 2.50 mg/L		SM 2011 2540 D	7.52	N/A *
02/06	1800	HMK	Fecal Coliform	4.1 /100ml		06/2012 Colilert18	0.00	N/A *
02/07	0700	DWC	BOD, Carbonaceous	< 2.00 mg/L		SM 2011 5210 B	0.00	104.3 *

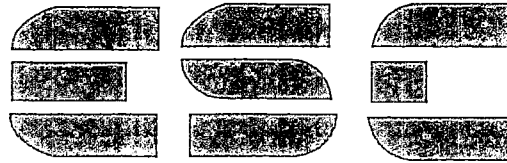
* QA data shown is from a different sample or standard on the same date.

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 *Ashley Greene*
 Environmental Services Co., Inc.

597A
 12,107
 423

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):	Timothy O'Neal															
Fax:	rhamess@nwark.com			and Signature(s):																
Contact:	Mr. Rusty Hames																			
ESC Client Number:	3859 Monthly																			
Sample Identification		Sample Collection				Sample Containers				TSS(28), CBOD(70)	Total P(25)	Fecal Coliform(43.IF)								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Final Effluent	20020101105	2-6-20	12:10	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1											
				Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2	1											
				Grab	Wwater	Whirlpak	4 oz.	Cool <10° C, Na2S2O3	1											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:			Used?	Intact?								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:			Regular	Special								
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:			Yes	No								
Comments		Flow Data		Field Test		Time	Analyst	Result	Result	Units										
Site Address: 1364 Cane Island Road Flippin, AR 72634				pH:		12:14	THJ	8.3	8.3	SU										
Received from cooler. etc				Fecal Start:		1805	HNK	This Document is Page 1 of 1												

THJ

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: 2002010606
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 02/17/20

Sample Date : 02/13/20
 Sample Time : 1040
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

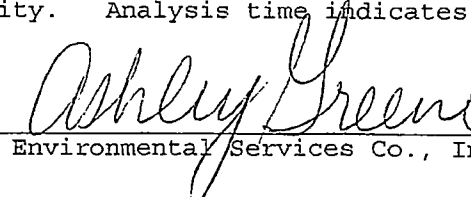
Collected By: HMK
 Delivery By : HMK
 Work Order :
 Purchase Order :

<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>	<u>% Recovery</u>
02/13	1515	JGK	Fecal Coliform	2.0 /100ml		06/2012 Colilert18	18.06	N/A *

* 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.

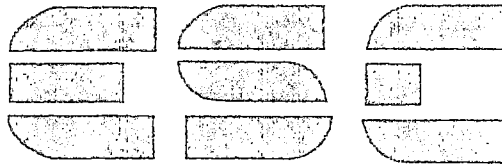
Signature _____



Environmental Services Co., Inc.

977

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 #:				Fecal Coliform(43.1F)								
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 Monthly										
Sample Identification		Sample Collection				Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
Final Effluent	2002010606	2-13-20	1040	Grab	Wwater	Whirlpak	4 oz.	Coal #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"/>				
Comments:		Date		Time		Date		Time		Were samples properly preserved:						
Site Address: 1364 Cane Island Road Flippin, AR 72634		2/13/20		1505		2/13/20		1600		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>			
						Flow Data	Field Test	Time	Analyst	Result	Result	Units				
						pH:	1040		HMK	7.3	7.3	SU				
						Fecal Start:	1515		HMK	This Document is Page 1 of 1						

2/13/20

NWA UTILITY SERVICES, INC

PO Box 9299
Fayetteville, AR
72703



FOREVER / USA



FOREVER / USA



FOREVER / USA



FOREVER / USA

ADEQ
Water Div. Permits Branch
5301 Northshore Drive
N. Little Rock, AR
72118