

**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
10/1/2020		10/31/2020

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	< 2.50		MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	19.7		COLONIES/100ml		
pH	6.0 - 9.0	7.2		s.u		
TOTAL PHOSPHOROUS (TP)	Report	< 2.000		MG/L		
TOTAL KJELDAHL NITROGEN (TKN)	Report	3		MG/L	Once per Quarter / Grab	
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report	< 1.00		MG/L		
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report	19.5		MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	20.31		MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD		
		26,527	1,855			

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	1,855
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.			TELEPHONE		
Kathy Bartlett TYPED OR PRINTED				479	530-5926	11/12/2020
				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: 2010010036
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 10/08/20

Sample Date : 10/01/20
 Sample Time : 1225
 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>
10/05	1338	BXW	Ammonia as N, (HACH/SM)	< 1.00 mg/L		H/SM 11 10205/4500	2.39	108.0 *
10/05	1430	BXW	Total Kjeldahl Nitrogen	2.7 mg/L		02/2014 HACH 10242	6.73	102.0 *
10/01	1225	HMK	pH	7.2 S.U.		SM 2011 4500-H+B	0.00	N/A
10/02	1045	KNM	Phosphorus, Total (as P)	< 2.000 mg/L		HACH 10209	11.66	105.0 *
10/05	1112	BXW	Solids, Total Suspended	< 2.50 mg/L		SM 2011 2540 D	0.00	N/A *
10/06	1353	KNM	Nitrogen, Plant Available	20.31 mg/L		33 MSA 2nd Ed		
10/01	1638	BXW	Fecal Coliform	19.7 /100ml		06/2012 Colilert18	5.48	N/A *
10/02	0805	BXW	BOD, Carbonaceous	< 2.00 mg/L		SM 2011 5210 B	0.00	91.0 *
10/05	1030	MRR	Nitrate + Nitrite	19.50 mg/L		HACH 10206	1.90	99.2 *

* 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 *Kristin Mullis*
 Environmental Services Co., Inc.

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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): <i>Hayden Kelly</i>											
Fax: rhames@nwork.com				and Signature(s): <i>[Signature]</i>											
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	#	TSS(28), CBOD(70)	NO3+NO2 (91)	TKN(16.A), Ammonia(15.A)	Total P (25)	Fecal Coliform(43.IF)	PAN (33.PN)
Final Effluent	2010010036	10/1/09	1225	Grab	Wwater	Plastic	1/2 Gal	Cool < 6° C	1	X					
	I	I	I	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:		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:		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:		1225	HML	7.2	7.2	SU					
Flippin, AR 72634															
				Fecal Start:		1638	RXL	This Document is Page 1 of 1							

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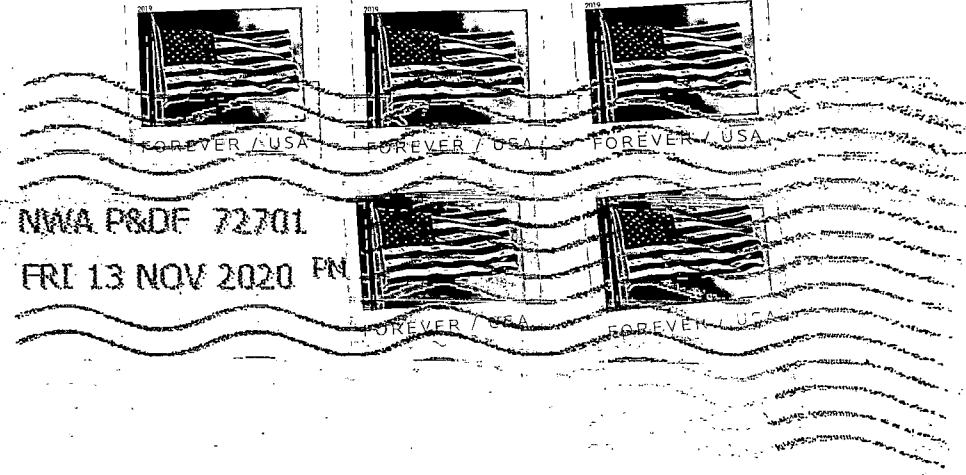
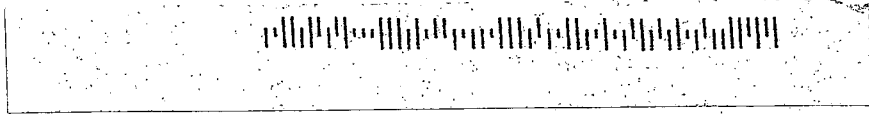
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NWA Utility Services Inc
PO Box 9299
Fayetteville, AR 72703

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



NWA P&DF 72701

FRI 13 NOV 2020 FN