## 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	1.5
Danny Hames	
39 Nottingham Lane	
Rogers, AR 72758	

	FACILITY NAME (IF DIFFERENT)		7
	Cane Island Subdivision		
	FACILITY ADDRESS		٠,
C	R 7002 Bull Shoals Rd. Marion County	y	

	PERMIT NO.	
	4899-WR-3	
7.0	AFIN NO.	
	45-00214	
L		

	MONITORING PERIOD	
MM/DD/YYYY	ТО	MM/DD/YYYY
1/1/2020		1/30/2020

Kathy Bartlett  TYPED OR PRINTED  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.  BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM  SIGNATURE OF PRINCIPAL  EXECUTIVE OFFICER OR  AUTHORIZED AGENT  CODE  NUMBER  MM//DD/Y	A		PARAMETER				LIMITS, MONITORING, PERMIT LIMIT	SAMPLE N		UNITS	ı	QUENCY OF	SAMPLE TYPE			
PECAL COLIFORM BACTERIA (FCB)   2000   115.3   COLONIES/100ml   Once per Month / Grab	ECAL COLIFORM BACTERIA (FCB)  100	CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBODS)				30		2.6		MG/L						
PH	TOTAL PHOSPHOROUS (TP)  Report  Report  A.82  MG/L  MG	TOTAL SUSPENDED SOLIDS (TSS)				45		< 2.5		MG/L	Nonce per Month / Grab					
TOTAL PHOSPHOROUS (TP)	TOTAL PHOSPHOROUS (TP)  Report  Report  4.82  MG/L  MG	FECAL COLIFORM BACTERIA (FCB)				2000		115.3		COLONIES/100ml						
TOTAL KJELDAHL NITROGEN (TKN)  Report  Report  O.06  MG/L  NITRITE NITROGEN (NO 3 - N ) + NITRATE NITROGEN (NO 2 - N )  Report  Report  Report  Report  Report  MG/L  MG	TOTAL KJELDAHL NITROGEN (TKN)  Report  Report  O.06  MG/L  Once per Quarter / Grab  Once per Qua	oH					6.0 - 9.0		7.2		s.u					
NITROGEN AMMONIA NITROGEN (NH 3 - N) Report 0.0.6 MG/L  NITRITE NITROGEN (NO 3 - N ) + NITRATE NITROGEN (NO 2 - N) Report 26.2 MG/L  PLANT AVAILABLE NITROGEN (PAN) Report 38.45 MG/L  TOTAL FLOW  DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS  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 37.529 gpd Daily 803  Zone 2 0.62 PM/ft 2 1 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 SIGNATURE OF PRINCIPAL AVARAE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE AND COMPLETE: I AM AVARAE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE AND COMPLETE: I AM AVARAE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE AND COMPLETE: I AM AVARAE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE AND THE PERSONALLY EXCURDING THE POSSIBILITY OF FINE AND IMPRISONMENT.  Once per Quarter / Grab MG/L  M	ANAME/TITLE PRINCIPAL EXECUTIVE OFFICER  KITROGEN AMMONIA NITROGEN (NH 3 - N)  Report	OTAL PHOSP	HOROUS (T	P)			Report		4.82		MG/L					
NITRITE NITROGEN (NO 3 - N ) + NITRATE NITROGEN (NO 2 - N )  Report  Report  Report  Report  Report  MONTHLY TOTAL DAILY MAX 16,913 803  PDP  DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS  DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS  DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS  Zone 1D Limit Units Maximum Volume Limit Units Monitoring Reported maximum  Zone 1 0.62 gpd/ft 2 37,529 gpd Daily Not Used  FINAME/ITITE PRINCIPAL EXECUTIVE OFFICER INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION.  Kathy Bartlett  TYPED OR PRINTED  Once per Quarter / Grab  MG/L  MG/L	AND TITLE PRINCIPAL EXECUTIVE OFFICER  Kathy Bartlett  TYPED OR PRINTED  Report  Repor	OTAL KJELD	AHL NITROGE	N (TKN)			Report		41		MG/L					
NITRITE NITROGEN (NO 3 - N ) + NITRATE NITROGEN (NO 2 - N )    Report   38.45   MG/L	REPORT 26.2 MG/L  PLANT AVAILABLE NITROGEN (PAN) REPORT 38.45 MG/L  MONTHLY TOTAL DAILY MAX 16,913 803 GPD  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/R 2 37,529 gpd Daily 803  Zone 2 0.62 gpd/R 2 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 RESPONSBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM BASED ON PRINTED  NEATH OF THE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE EXECUTIVE OFFICER OR AUTHORIZED AGENT MIMBER MM/DD/YYY	IITROGEN AM	MONIA NITRO	OGEN (NH 3	- N)		Report		0.06		MG/L	1	0	1 1 O b		
TOTAL FLOW    MONTHLY TOTAL   DAILY MAX   16,913   803   803	DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS    DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS	NITRITE NITROGEN (NO 3 - N ) + NITRATE NITROGEN (NO 2 - N )				Report	26.2			MG/L	Once per Quarter / Grab					
TOTAL FLOW  TOTAL	TOTAL FLOW  16,913 803  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 803  Zone 2 0.62 97,529 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.  16,913 803  AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.  16,913 803  AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	PLANT AVAILABLE NITROGEN (PAN)				Report	38.45		MG/L	1						
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Kathy Bartlett  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.  BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM  SIGNATURE OF PRINCIPAL  EXECUTIVE OFFICER OR  AUTHORIZED AGENT  AUTHORIZED AGENT  MM//DD/YO	Kathy Bartlett  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.  BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM  SIGNATURE OF PRINCIPAL  EXECUTIVE OFFICER OR  AUTHORIZED AGENT  ODE  MM//DD/YYY				<b>.</b>	· · · · · · · · · · · · · · · · · · ·										
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		TYPE	ED OR PRINTI	ĒD						MM/DD/YYYY						
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)	,	COMMENTS	AND EXPLA	NATION O	<del></del>			<u></u>				· · · · · · ·				

## 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: 2001010054

Sample Date : 01/09/20

Collected By: HMK

Customer Name : CANE ISLAND ESTATES POA Customer Number: 3859

Sample Time : 1055

Delivery By : HMK

Sample Type : GRAB WWATER

Work Order :

Report Date : 01/21/20

Sample From : FINAL EFFLUENT

Purchase Order :

	İ	Quality A	ssurance			
Analysis				F	Precision	Accuracy
Date Time By	<u> Parameter</u>	Result Notes	Quantity	<u>Method</u>	% RPD	<pre>% Recovery</pre>
01/13 1400 DWC	Ammonia as N, (HACH/SM)	$0.06~{ m mg/L}$	H/SI	M 11 10205/4500	3.52	93.4 *
01/17 1610 NTR	Total Kjeldahl Nitrogen	40.7  mg/L	02/:	2014 HACH 10242	2.79	92.5 *
01/09 1055 HMK	рН	7.2 S.U.	SM 2	2011 4500-H+B	1.38	N/A
01/17 1700 NTR	Phosphorous, Total (as P)	4.820 mg/L	HACI	н 10209	2.60	104.1 *
01/10 0800 PJC	Solids, Total Suspended	< 2.50 mg/L	SM 3	2011 2540 D	3.33	N/A *
01/17 1630 NTR	Nitrogen, Plant Available	38.45 mg/L	33 1	MSA 2nd Ed		
01/09 1730 TMO	Fecal Coliform	115.3 /100ml	06/2	2012 Colilert18	0.00	N/A *
01/10 0630 DWC	BOD, Carbonaceous	2.60 mg/L	SM :	2011 5210 B	0.00	103.7
01/17 1500 NTR	Nitrate + Nitrite	26.20 mg/L	HACI	н 10206	0.41	98.9 *

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

14,913

<sup>\*</sup> OA data shown is from a different sample or standard on the same date.

## Énvironmental Services Company, Inc. Corporate Office

13715 West Markham

Phone: 501-221-2565

P.O. Box 55146

Little Rock, AR 72211

Little Rock, AR 72215

Fax: 501-221-1341

website: www.esclabs.com

Springdale, Arkansas 479-750-1170

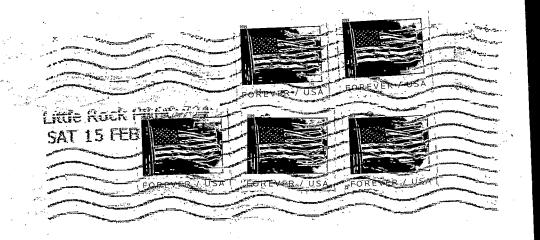
Carlsbad, New Mexico 575-887-1ESC

## **CHAIN OF CUSTODY**

	Client Information					Pro	oject Inf	ormation					Req	ues	ted	Par	ame	eters	;
Client:	Cane Island Estates POA Permit/Project #:  39 Nottingham Lane Purchase Order #:																		
Address: _	Address: 39 Nottingham Lar Rogers, AR 72758				Work Orde		111016	AFC2		<del></del>						ĺ			Í
 Dhanai	<del></del>	479-619-8450		<del></del>	1		111816 Hoya	d Sa	1.0		-			5.A)					
Phone:		rhames@nwark.co	<del></del>	Sampler N	ame(s).	1040	en K	12117	<del></del>	ᅱ			Ammonia(15.A)		_				
Fax:			[11]	<del></del>	and Ciana		#		<del></del>		$\dashv$	CBOD(70)		ρ Ď		43.1			
Contact: ESC Client Nu	Mr. Rusty Hames umber: 3859 Quarterly				and Signat	ure(s).	Ψ		<del></del>		$\dashv$	8	(91)	9 1		orm(	Ê		
			Quarterly	Comple	Collection		<del></del>	Comple	Container			(6)	NO3+NO2 (91)	TKN(16.A),	Total P (25)	Fecal Coliform(43.IF)	PAN (33.PN)		
	mple Iden	T	D-4-		<del>I</del>	Madria	T	T	Containers			TSS(28),	9 <del>4</del>	N X	otal	ecal	AN (		
Identifica	tion	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preservat	uve	#		Z	F	لسلط	L.	<u>a.</u>	$\square$	
Final Effluent		2001010054	1/9/20	10:55	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C		4	<u>X</u>				<u> </u>		$\left  \cdot \cdot \right $	
	·	<b> </b>			Grab	Wwater	Plastic	1 Liter	H2SO4 to pH <2 Cool <10° C,		1		X	Х	Х	<u> </u>			
				<del></del>	Grab	Wwater	Plastic	100mls	Na2S2O3		1			<b>  </b>		Х			
					Grab	Wwater	NA	NA NA	NA						$\vdash \vdash$		Х		
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	<del></del>						<b> </b>	<b> </b>	<u> </u>	_	_	-							
	<del></del>				<b></b>		<b> </b>		<b> </b>	_				$\vdash$					
	·				<b></b>	ļ	ļ	<u> </u>	<u> </u>	-	4			<b>  </b>					
Relinguished By: (Signs	ature and Printer	Name)	Date	Time	Received By: (Sig	gnature and Printed	(Name)	<u></u>	Date	Time		custo	ody Se	als:					
						- 						Used	7	N		Inta	et?		
Relinquished By: (Signa	ature and Printed	f Name)	Date	Time	Received By: (Signature and Printed Name)  Date  Twi7-G-7-Z					Turna Regu	around	7	/ 	Spe	nial				
Relinguished By: (Signa	ature and Printed	Name),	19/20	17 Time	Received for Lab	By: (Signature and	Printed Name	1 of a (e	Date	Time		Were	samp	oles pr	Speriy	prese	rved:		$\dashv$
Comments:	2100 1º	relly	14/20	H9.40	tamount	Flow D	inoth <sub>a</sub>	Field Test		- <u>174</u> Analysi		Resu	Yes	Resu	.10		No Units	Щ	
	ite Address:	1364 Cane Island Roa	ıd			7.00.		pH:		HM/1		7.:		7.			S		_
Flippin, AR 72634													_						
	<del></del>		*		<del></del>	<b></b>					-		$\dashv$						$\dashv$
								Fecal Start:	1730	TIM	5	This	Docu	ımeni	is P	age ]	_ of		_



NWA UTILITY SERVICES, INC PO Box 9299 Fayetteville, AR 72703



ADEQ WATER DIV. Permits Branch 5301 Northshore Dr N 21 HIL ROCK, AR 72118-5317