

**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

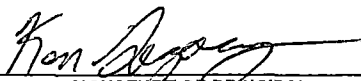
FACILITY NAME (IF DIFFERENT)
Cane Island Subdivision
FACILITY ADDRESS
CR 7002 Bull Shoals Rd. Marion County

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

MONITORING PERIOD		
MM/DD/YYYY	TO	MM/DD/YYYY
12/1/2018		12/31/2018

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS					
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5)	30	3.6	MG/L	Once per Month / Grab	
TOTAL SUSPENDED SOLIDS (TSS)	45	< 2	MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	20	COLONIES/100ml		
pH	6.0 - 9.0	8	s.u		
TOTAL PHOSPHOROUS (TP)	Report	5.6	MG/L	Once per Quarter / Grab	
TOTAL KJELDAHL NITROGEN (TKN)	Report	36	MG/L		
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report	0.01	MG/L		
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report	33.1	MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	43.88	MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD	
			17,049		

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	15,653	gpd	Daily	883
Zone 2	0.62		37,529	gpd	Daily	Not used at this time

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		
Ken Gregory			479	790-3813	1/4/2019
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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: 1812010119
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 01/02/19

Sample Date : 12/06/18
 Sample Time : 1301
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

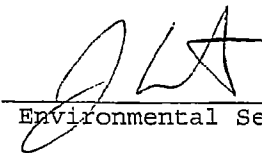
Collected By: CHP
 Delivery By : CHP
 Work Order :
 Purchase Order :

<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>
12/20	1300	PJC	Ammonia as N, (HACH/SM)	0.01 mg/L		H/SM 11 10205/4500	2.20	101.1 *
12/27	0830	TCF	Total Kjeldahl Nitrogen	35.9 mg/L		02/2014 HACH 10242	3.81	103.5 *
12/06	1301	CHP	pH	8.0 S.U.		SM 2000 4500-H+B	0.00	N/A *
12/17	1500	TCF	Phosphorous, Total (as P)	5.600 mg/L		HACH 10209	4.99	103.0 *
12/12	1400	CHP	Solids, Total Suspended	< 2.00 mg/L		SM 2011 2540 D	5.45	N/A *
12/27	1000	TCF	Nitogen, Plant Available	43.88 mg/L		33 MSA 2nd Ed		
12/06	1840	CHP	Fecal Coliform	20.0 /100ml		06/2012 Colilert18	0.00	N/A
12/07	0645	DWC	BOD, Carbonaceous	3.60 mg/L		SM 2011 5210 B	0.00	106.4 *
12/21	0930	TCF	Nitrate + Nitrite	33.10 mg/L		HACH 10206	2.16	104.5 *

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

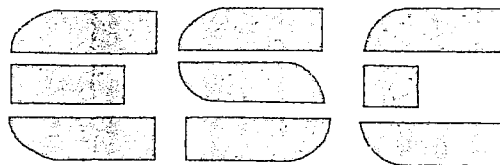
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

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

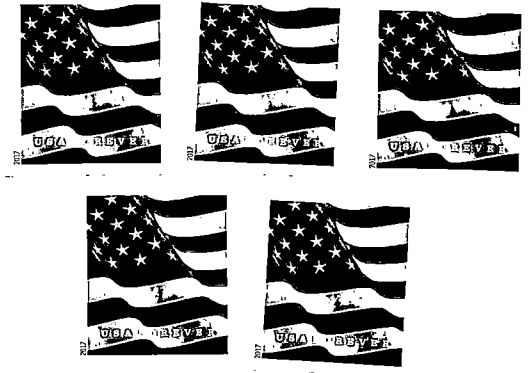
Client Information				Project Information						Requested Parameters										
Client: Cane Island Estates POA				Permit/Project #:						TSS(28), CBOD(70)	NO3+NO2 (91)	TKN(16.A), Ammonia(15.A)	PAN (33.PN), Total P (25)	Fecal Coliform(43.IF)						
Address: 39 Nottingham Lane				Purchase Order #:																
Rogers, AR 72758				Work Order # 111816-AEG2																
Phone: 479-619-8450				Sampler Name(s):																
Fax: rhames@nwark.com				and Signature(s): <i>Chris Hames</i>																
Contact: Mr. Rusty Hames				ESC Client Number: 3859																
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Final Effluent	1812010119	12/10/18	1301	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C		X										
	1	1	1	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2			X	X	X							
				Grab	Wwater	Whirlpak	4 oz.	Cool <10° C, Na2S2O3							X					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:										
<i>Chris Hames</i>		12/10/18	1830	<i>Cooler</i>				12/10/18	1830	Used? <input 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 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:										
<i>Cooler</i>		12-7-18	0800	<i>J. W. Oghe Carter</i>				12-7-18	0800	Yes <input type="checkbox"/> No <input type="checkbox"/>										
Comments:						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
Site Address: 1364 Cane Island Road							pH:	1301	CHP	8.0	8.0	SU								
Flippin, AR 72634																				
						Fecal Start:	1845	CHP	This Document is Page ___ of ___											

DA

P.O.
Fayetteville

BC: 72118532801 DUZ326N009194-00470

731 7E N C0001/09/19
UNABLE TO FORWARD/FOR REVIEW
R015



ADEQ Water Division
Permits Branch
5301 Northshore Dr
N Little Rock, AR 72118-5317