

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
NO DISCHARGE MONTHLY MONITORING REPORT**

<b>PERMITTEE NAME</b>
Cane Island Estates LLC
<b>PERMITTEE ADDRESS</b>
Danny Hames 39 Nottingham Lane Rogers, AR 72758


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

<b>PERMIT NO.</b>
4899-WR-3
<b>AFIN NO.</b>
45-00214

<b>MONITORING PERIOD</b>		
MM/DD/YYYY	TO	MM/DD/YYYY
10/1/2019		10/31/2019

EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS					
PARAMETER	PERMIT LIMIT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD <sub>5</sub> )	30	< 2.0		MG/L	Once per Month / Grab
TOTAL SUSPENDED SOLIDS (TSS)	45	< 2.5		MG/L	
FECAL COLIFORM BACTERIA (FCB)	2000	< 1.0		COLONIES/100ml	
pH	6.0 - 9.0	7.9		s.u	
TOTAL PHOSPHOROUS (TP)	Report	6.3		MG/L	Once per Quarter / Grab
TOTAL KJELDAHL NITROGEN (TKN)	Report	32		MG/L	
NITROGEN AMMONIA NITROGEN (NH <sub>3</sub> - N)	Report	0.02		MG/L	
NITRITE NITROGEN (NO <sub>2</sub> - N) + NITRATE NITROGEN (NO <sub>3</sub> - N)	Report	15.6		MG/L	
PLANT AVAILABLE NITROGEN (PAN)	Report	25.06		MG/L	
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD	
		20,479	1,067		

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 <sup>2</sup>	1,067	gpd	Daily	1,067
Zone 2	0.62		Not Used	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.		TELEPHONE		
Kathy Bartlett			479	530-5926	11/14/2019
TYPED OR PRINTED		<b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>	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: 1910010098  
 Customer Name : CANE ISLAND ESTATES POA  
 Customer Number : 3859  
 Report Date : 10/18/19

Sample Date : 10/03/19  
 Sample Time : 0940  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

Collected By: NTR  
 Delivery By : NTR  
 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>
10/07	1450	DWC	Ammonia as N, (HACH/SM)	0.02 mg/L		H/SM 11 10205/4500	0.00	102.1 *
10/08	1030	TCF	Total Kjeldahl Nitrogen	31.5 mg/L		02/2014 HACH 10242	2.53	101.6 *
10/03	0941	NTR	pH	7.9 S.U.		SM 2011 4500-H+B	0.00	N/A *
10/08	0830	TCF	Phosphorous, Total (as P)	6.300 mg/L		HACH 10209	6.67	99.8 *
10/07	1045	PJC	Solids, Total Suspended	< 2.50 mg/L		SM 2011 2540 D	0.00	N/A *
10/16	1500	PJC	Nitrogen, Plant Available	25.06 mg/L		33 MSA 2nd Ed	0.00	100.0 *
10/03	1445	JK	Fecal Coliform	< 1.0 /100ml		06/2012 Colilert18	0.00	N/A *
10/04	0640	DWC	BOD, Carbonaceous	< 2.00 mg/L		SM 2011 5210 B	0.00	98.2 *
10/10	1100	PJC	Nitrate + Nitrite	15.60 mg/L		HACH 10206	2.35	100.6 *

\* 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 \_\_\_\_\_

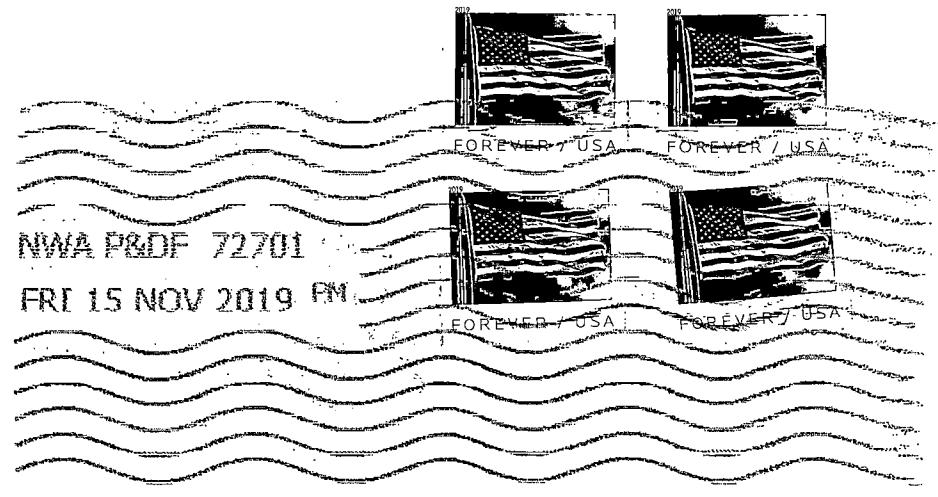
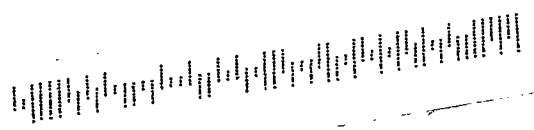
Environmental Services Co., Inc.

20,479  
 11067



NWA Utility Services  
PO Box 9299  
Fayetteville, AR

72703



ADEG  
Water Division Permits Branch  
5301 Northshore Dr  
North Little Rock, AR

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