

**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

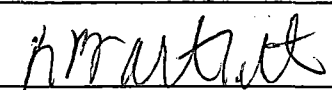
FACILITY NAME (IF DIFFERENT)
Cane Island Subdivision
FACILITY ADDRESS
CR 7002 Bull Shoals Rd. Marion County

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

MONITORING PERIOD		
MM/DD/YYYY	TO	MM/DD/YYYY
3/1/2021		3/31/2021

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	< 2.5		MG/L		
FECAL COLIFORM BACTERIA (FCB)	2000	1732.8		COLONIES/100ml		
pH	6.0 - 9.0	7		s.u		
TOTAL PHOSPHOROUS (TP)	Report	5.460		MG/L		
TOTAL KJELDAHL NITROGEN (TKN)	Report	4		MG/L	Once per Quarter / Grab	
NITROGEN AMMONIA NITROGEN (NH ₃ - N)	Report	0.27		MG/L		
NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N)	Report	29.14		MG/L		
PLANT AVAILABLE NITROGEN (PAN)	Report	27.8		MG/L		
TOTAL FLOW		MONTHLY TOTAL	DAILY MAX	GPD		
		26,714	2,017			

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	2,017
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	5/14/2021
TYPED OR PRINTED				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: 2104010033
Customer Name : CANE ISLAND ESTATES POA
Customer Number : 3859
Report Date : 04/17/21

Sample Date : 04/08/21
Sample Time : 1015
Sample Type : GRAB WWATER
Sample From : FINAL EFFLUENT

Collected By: WGW
Delivery By : WGW
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>
04/09	1156	ZWA	Ammonia as N, (HACH/SM)	0.27 mg/L		SM 2011 4500-NH3-G	0.00	98.1 *
04/13	1235	AKA	Total Kjeldahl Nitrogen	4.3 mg/L		02/2014 HACH 10242	21.43	101.0 *
04/08	1020	WGW	pH	7.0 S.U.		SM 2011 4500-H+B	0.00	N/A
04/12	0645	KNM	Phosphorus, Total (as P)	5.460 mg/L		EPA 365.1	1.87	99.4 *
04/12	0955	ZWA	Solids, Total Suspended	< 2.50 mg/L		SM 2011 2540 D	19.59	N/A *
04/15	1437	KNM	Nitrogen, Plant Available	29.14 mg/L		33 MSA 2nd Ed		
04/08	1612	BXW	Fecal Coliform	1732.8 /100ml		06/2012 Colilert18	0.00	N/A *
04/09	0630	BXW	BOD, Carbonaceous	< 2.0 mg/L		SM 2011 5210 B	0.00	109.0
04/12	0750	KNM	Nitrate + Nitrite	27.80 mg/L		HACH 10206	2.19	94.1

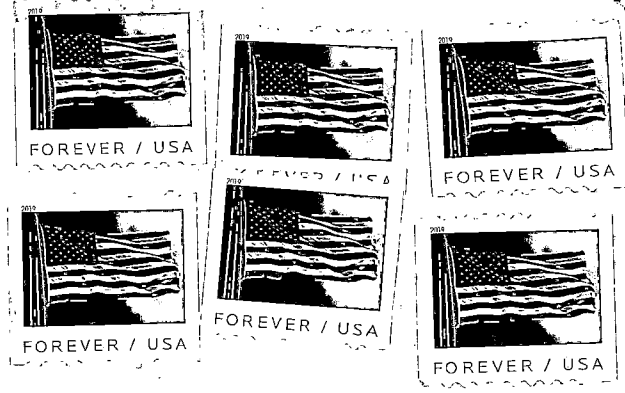
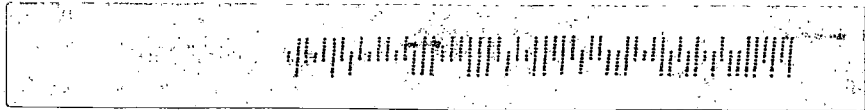
* QA data shown is from a different sample or standard on the same date.


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.

DW
26,714
2017



 **NWA Utility Services Inc**
PO Box 9299
Fayetteville, AR 72703

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