

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
MONTHLY MONITORING REPORT**

PERMITTEE NAME
CANE ISLAND SUBDIVISION

FACILITY NAME (IF DIFFERENT)
Cane Island Subdivision

PERMIT NO.
4899-WR-2

PERMITTEE ADDRESS
DANNY HAMES
6800 SHADOW VALLEY ROAD
Rogers, AR 72756


FACILITY ADDRESS
west side of CR 7002 in northern Marion County

AFIN NO.
45-00214

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY	MM/DD/YYYY
FROM 6/1/2017	6/30/2017

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	6.35		MG/L	ONCE/ MONTH	GRAB
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	3		MG/L	ONCE/ MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	6.7		S.U.	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	4		MG/L	ONCE/ MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	REPORT	3.06		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	< 5		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	44.2		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	38.997		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.203		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	54.6		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		23,108	1,297			

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		DATE
			479	530-5926	7/6/2017
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: 1706010028	Sample Date : 06/01/17	Collected By: JJM
Customer Name : CANE ISLAND ESTATES POA	Sample Time : 0925	Delivery By : JJM
Customer Number : 3859	Sample Type : GRAB WWATER	Work Order :
Report Date : 06/16/17	Sample From : FINAL EFFLUENT	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>			
<u>Analysis</u>						<u>Precision</u>	<u>Accuracy</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
06/02	1345	TCF	Ammonia Nitrogen	3.06 mg/L			SM 1997 4500-NH3 F	4.97	107.3 *
06/05	1030	NTR	Kjeldahl Nitrogen Total	44.20 mg/L			SM 1997 4500-NorgB	0.53	99.8 *
06/02	0730	NTR	Nitrate Nitrogen	38.9970 mg/L			SM 2000 4500-NO3 E	0.58	98.6 *
06/02	0710	NTR	Nitrite Nitrogen	0.2030 mg/L			SM 2000 4500-NO2 B	0.62	100.9 *
06/01	0927	JJM	pH	6.7 S.U.			SM 2000 4500-H+B	1.29	N/A *
06/06	1415	CBJ	Phosphorous, Total (as P)	6.350 mg/L			EPA 365.3	0.97	96.1 *
06/05	0840	DWC	Solids, Total Suspended	4.00 mg/L			SM 1997 2540 D	7.04	N/A *
06/05	1200	NTR	Nitrogen, Plant Available	54.60 mg/L			33 MSA 2nd Ed		
06/01	1605	TCF	Coliform, Fecal	< 5 /100ML			SM 1997 9222 D	0.00	N/A *
06/02	0600	DWC	BOD, Carbonaceous	3.00 mg/L			SM 2001 5210 B	0.00	101.5 *
06/06	1600	RAH	Solids, % Total	0.040 %			SM 1997 2540 G	0.00	N/A *

* 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.

