

**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  
FROM MM/DD/YYYY 9/1/2017 TO MM/DD/YYYY 9/30/2017

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	5.56		MG/L	ONCE/ MONTH	GRAB
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	2		MG/L	ONCE/ MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	6.6		S.U.	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	2		MG/L	ONCE/ MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	REPORT	0.54		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	41.3		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	40.8		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.138		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	54.03		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		16,926	976			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Kathy Bartlett	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
			479	530-5926	10/4/2017
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: 1709010083  
 Customer Name : CANE ISLAND ESTATES POA  
 Customer Number : 3859  
 Report Date : 09/20/17

Sample Date : 09/07/17  
 Sample Time : 1015  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

Collected By: CBJ  
 Delivery By : CBJ  
 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>
09/08	1545	PJC	Ammonia Nitrogen	0.54 mg/L		SM 1997 4500-NH3 F	0.81	103.1 *
09/13	1000	CLB	Kjeldahl Nitrogen Total	41.30 mg/L		SM 1997 4500-NorgB	1.97	97.8 *
09/11	1100	CLB	Nitrate Nitrogen	40.8000 mg/L		SM 2000 4500-NO3 E	0.79	97.3 *
09/08	0900	CLB	Nitrite Nitrogen	0.1380 mg/L		SM 2000 4500-NO2 B	1.62	98.4
09/07	1015	CBJ	pH	6.6 S.U.		SM 2000 4500-H+B	1.53	N/A
09/11	0930	CLB	Phosphorous, Total (as P)	5.560 mg/L		EPA 365.3	1.17	98.4 *
09/11	0800	CLB	Solids, Total Suspended	2.00 mg/L		SM 1997 2540 D	5.41	N/A *
09/13	1700	CLB	Nitrogen, Plant Available	54.03 mg/L		33 MSA 2nd Ed	1.83	99.7
09/07	1645	CLB	Coliform, Fecal	< 5 /100ML		SM 1997 9222 D	0.00	N/A *
09/08	0630	CLB	BOD, Carbonaceous	2.00 mg/L		SM 2001 5210 B	0.00	93.4 *
09/08	1000	CLB	Solids, % Total	0.041 %		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.

