

**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	MM/DD/YYYY
8/1/2017	8/31/2017

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	5.69		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	6.4		S.U.	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	1		MG/L	ONCE/ MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	REPORT	0.28		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	42.3		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	42.4		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.51		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	55.8		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		17,735	734			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Kathy Bartlett  TYPED OR PRINTED	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	9/5/2017
		AREA CODE	NUMBER	MM/DD/YYYY	
COMMENTS AND EXPLANATION OF VIOLATIONS ( <i>Reference all attachments here</i> )					

# 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: 1708010079  
 Customer Name : CANE ISLAND ESTATES POA  
 Customer Number : 3859  
 Report Date : 08/17/17

Sample Date : 08/03/17  
 Sample Time : 1000  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

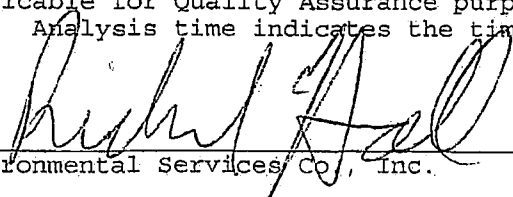
Collected By: TMO  
 Delivery By : TMO  
 Work Order : 111816-AEG2  
 Purchase Order :

<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>
08/07	1100	DWC	Ammonia Nitrogen	0.28 mg/L		SM 1997 4500-NH3 F	5.68	94.3 *
08/15	0900	CLB	Kjeldahl Nitrogen Total	42.30 mg/L		SM 1997 4500-NorgB	2.34	101.4 *
08/08	1000	CLB	Nitrate Nitrogen	42.4000 mg/L		SM 2000 4500-NO3 E	0.49	99.2 *
08/08	1400	CLB	Nitrite Nitrogen	0.5100 mg/L		SM 2000 4500-NO2 B	3.51	96.6 *
08/03	1005	TMO	pH	6.4 S.U.		SM 2000 4500-H+B	1.57	N/A
08/11	1000	CLB	Phosphorous, Total (as P)	5.690 mg/L		EPA 365.3	10.53	107.9
08/04	1330	CLB	Solids, Total Suspended	1.00 mg/L		SM 1997 2540 D	40.00	N/A *
08/16	0930	CLB	Nitrogen, Plant Available	55.80 mg/L		33 MSA 2nd Ed	0.00	99.0 *
08/03	1610	PJC	Coliform, Fecal	< 5 /100ML		SM 1997 9222 D	10.53	N/A
08/04	0700	JJM	BOD, Carbonaceous	< 2.00 mg/L		SM 2001 5210 B	0.00	88.3 *
08/07	1130	CLB	Solids, % Total	0.050 %		SM 1997 2540 G	22.22	N/A *

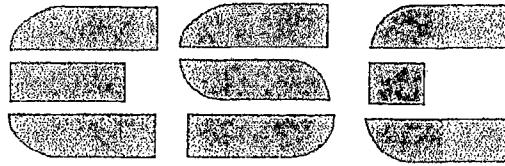
\* QA data shown is from a different sample or standard on the same date.

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.

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), Total Sol % (82)	Nitrate (18), Nitrite (19)	TKN(16-A), Ammonia(15-A)	PAN(33-PN), Total P(25)	Fecal Coliform(43)
Address:		39 Nottingham Lane Rogers, AR 72758				Purchase Order #:										
Phone:		479-619-8450				Work Order #:		111816-AEG2								
Fax:		rhamen@nwork.com				Sampler Name(s):		Timothy O'Neal								
Contact:		Mr. Rusty Hames				and Signature(s):		<i>Timothy O'Neal</i>								
ESC Client Number:		3859														
Sample Identification			Sample Collection			Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
Final Effluent	1708010079	8-3-17	1000	Grab	Wwater	Plastic	1/2 Gal	Cool < 6° C		X	X					
				Grab	Wwater	Plastic	1 Liter	Cool < 6° C, H2SO4 to pH < 2				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:		Used?	Intact?					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special					
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No					
Comments:		Site Address: 1364 Cane Island Road Flippin, AR 72634		Flow Data	Field Test	Time	Analyst	Result	Result	Units						
					pH:	1005	TMO	6.14	6.3	SU						
						1610	PSC	This Document is Page 1 of 1								

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