

**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 8/1/2018	8/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	6.24		MG/L	ONCE/ MONTH	GRAB
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	3.6		MG/L	ONCE/ MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	7.4		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	5.94		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	1		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	46.7		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	38.6		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.641		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	57.41		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		14,677	644			

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	9/6/2018
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: 1808010050
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 08/09/18

Sample Date : 08/02/18
 Sample Time : 1000
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

Collected By: PDH
 Delivery By : PDH
 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>
08/03	1600	PJC	Ammonia Nitrogen	5.94 mg/L		HACH 10205	1.15	103.0 *
08/06	1020	NTR	Total Kjeldahl Nitrogen	46.7 mg/L		02/2014 HACH 10242	0.00	100.1 *
08/03	1330	PJC	Nitrate Nitrogen	38.6000 mg/L		SM 2000 4500-NO3 E	1.33	103.0
08/03	1300	PJC	Nitrite Nitrogen	0.6410 mg/L		HACH 10206	0.83	99.0
08/02	1005	PDH	pH	7.4 S.U.		SM 2000 4500-H+B	0.00	N/A *
08/06	0845	NTR	Phosphorous, Total (as P)	6.240 mg/L		HACH 10209	13.33	111.1 *
08/03	0930	TCF	Solids, Total Suspended	< 1.00 mg/L		SM 1997 2540 D	0.00	N/A *
08/06	1200	NTR	Nitrogen, Plant Available	57.41 mg/L		33 MSA 2nd Ed		
08/02	1530	RAH	Fecal Coliform	1.0 /100ml		06/2012 Colilert18	0.00	N/A
08/03	0645	DWC	BOD, Carbonaceous	3.60 mg/L		SM 2001 5210 B	0.00	95.5 *
08/06	1245	DWC	Solids, % Total	0.087 %		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.

Environmental Services Company, Inc.

Corporate Office

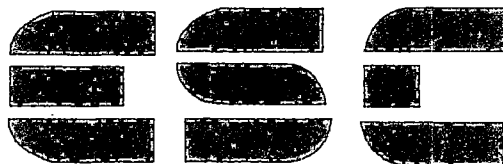
13715 West Markham

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(19)	TKN(16.A), Ammonia(15.A)	PAN(33.PN), Total P(25)	Fecal Coliform(43.IF)	Oil & Grease (21.)	
Address:		39 Nottingham Lane			Purchase Order #:											
		Rogers, AR 72758			Work Order #		111816-AEG2									
Phone:		479-619-8450			Sampler Name(s):											
Fax:		rhames@nwark.com			and Signature(s):		<i>Preston Hunt</i>									
Contact:		Mr. Rusty Hames			ESC Client Number:		3859									
Sample Identification			Sample Collection				Sample Containers									
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
Final Effluent	1808010650	8-2-18	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		
				Grab	Wwater	Glass	1 liter	Cool < 6° C, H2SO4 to pH <2							X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:		Used?	Intact?				
											<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround:		Regular	Special				
											<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Relinquished By: (Signature and Printed Name)		Date	Time	Received For Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:		Yes	No				
<i>Preston Hunt</i>		8-2-18	1500	<i>Richard Hall</i>			8-2-18	1520			<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Comments:					Flow Data	Field Test	Time	Analyst	Result	Result	Units					
Site Address: 1364 Cane Island Road						pH:	1005	PDH	7.4		SU					
Flippin, AR 72634																
					Fecal Start:	<i>BAH</i>	1530	This Document is Page 1 of 1								

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