

**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

**TAFIN NO.**  
45-00214

**WASTEWATER EFFLUENT MONITORING PERIOD**  
FROM **MM/DD/YYYY** **MM/DD/YYYY**  
5/1/2015 5/31/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.3	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	7.48	S.U.	ONCE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	3	MG/L	ONCE/ MONTH	GRAB	
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	REPORT	< 0.1	MG/L	ONCE/ MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	< 2	colonies/100ml	ONCE/ MONTH	GRAB	
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	0.7	MG/L	ONCE/ MONTH	GRAB	
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	2.78	MG/L	ONCE/ MONTH	GRAB	
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	< 0.01	MG/L	ONCE/ MONTH	GRAB	
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	3	MG/L	ONCE/ MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		0	38,400			

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	6/2/2015
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*) We only have 2 full time residents in subdivision. Large tanks at plant site are holding all the flow produced over the last few months. We will continue to monitor inflow through Mag Meter.

# Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143 (501) 268-6431 f(501) 268-9314

NPDES Wastewater Monitoring  
 Water and Wastewater Analysis  
 Concrete, Asphalt, and Aggregate Testing  
 Geotechnical Testing  
 Industrial and Construction Quality Control

## CANE ISLAND

Collection Date: May 6, 2015

Collection Time: 11:40 AM

Collected By: THS

## Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin Date/Time	Analysis End Date/Time	Results	Unit	Loading lb/dy	Analyst	% Spike	Rel %	Sample Type	Ref. #
CBOD	05/07 9:00 AM	05/12 8:45 AM	< 2.0	mg/l	NA	KLB/EET	104.5	1.08	Grab	1
TSS	05/08 8:30 AM	NA	3	mg/l	NA	EET	NA	12.89	Grab	2
Fecal Coliform	05/06 4:00 PM	05/07 3:30 PM	< 2	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	05/06 11:40 AM	NA	7.48	S.U.	NA	THS	NA	0.15	Grab	4
Ammonia Nitrogen	05/08 1:30 PM	NA	< 0.1	mg/l	NA	KLB	98.3	0.00	Grab	7
Total Kjeldahl Nitrogen	05/08 1:30 PM	NA	0.70	mg/l	NA	KLB	98.3	0.00	Grab	7
Total Phosphorus	05/07 8:50 AM	NA	0.30	mg/l	NA	KLB	100.1	10.58	Grab	8
Nitrate Nitrogen	05/07 1:00 PM	NA	2.78	mg/l	NA	KLB	94.8	2.13	Grab	9
Nitrite Nitrogen	05/07 1:00 PM	NA	< 0.01	mg/l	NA	KLB	94.8	2.13	Grab	9
Nitrate + Nitrite			2.79	mg/l					CALC	
Solids, Percent (%)	05/08 2:40 PM	NA	0.020	%	NA	KLB	NA	0.02	Grab	10
Plant Available Nitrogen			3.00	mg/l					CALC	


**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.

**Notes:** Samples iced at collection. Preserved with H<sub>2</sub>SO<sub>4</sub> to pH<sub>2</sub>; Oil & Grease, Ammonia, COD

### References:

Analysis complies with 40 CFR Part 136:

- |                 |                  |
|-----------------|------------------|
| 1. SM 5210 B    | 6. SM 4500-OG    |
| 2. SM 2540 D    | 7. SM 4500 NH3-G |
| 3. SM 9222 D    | 8. SM 4500-P-E   |
| 4. SM 4500-HB   | 9. SM 4500NO3 E  |
| 5. SM 4500-CI-G | 10. SM 2540 B    |

  
 Neville Adams, Manager

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 arkatl@sbcglobal.net

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## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>Cane Island Estates</b>		<b>4899-WR-2</b>								PARAMETERS							
		SAMPLED BY: <b>JHS</b>				FECAL COLIFORM				# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass							
		W=H2O		S=SLUDGE		D=SOIL		C=WELL		CALIBRATION <b>24/T</b>				PRESERVATIVES			
SAMPLE TYPE		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH				CBOD, TSS, Tot. Solids	NH3, TKN, NO3, NO2, TP		
Effluent	W	5/6/15	11:45 AM		X				1-120-P	7.48				1-H-P	1-L-P		

Comments:

Number of bottles: \_\_\_\_\_  
 Sample on ice: \_\_\_\_\_

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
		<i>[Signature]</i>	5/6/15 4:50 pm