

**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 12/11/2015 TO MM/DD/YYYY 12/31/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.17		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	6.88		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	< 0.1		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	0.3		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.09		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	0.23		MG/L	ONCE/ MONTH	GRAB
SOLIDS, Percent (%)	REPORT	< 0.1				
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		5,771	200			

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	1/4/2016
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

# 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: December 2, 2015  
 Collection Time: 11:15 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	12/02 3:20 PM	12/07 9:00 AM	< 2.0	mg/l	NA	EET/KLB	100.8	0.00	Grab	1
TSS	12/03 2:00 PM	NA	2.0	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	12/02 3:00 PM	12/03 2:15 PM	< 2	N/100mls	NA	THS/KLB	NA	8.11	Grab	3
pH	12/02 11:15 AM	NA	6.88	S.U.	NA	THS	NA	0.16	Grab	4
Ammonia Nitrogen	12/03 10:05 AM	NA	< 0.1	mg/l	NA	EET	100.0	0.00	Grab	7
Total Kjeldahl Nitrogen	12/03 10:05 AM	NA	0.30	mg/l	NA	EET	100.0	0.00	Grab	7
Total Phosphorus	12/03 1:30 PM	NA	0.17	mg/l	NA	KLB	94.5	0.00	Grab	8
Nitrate Nitrogen	12/03 9:15 AM	NA	0.09	mg/l	NA	KLB	107.6	6.87	Grab	9
Nitrite Nitrogen	12/03 9:15 AM	NA	< 0.01	mg/l	NA	KLB	107.6	6.87	Grab	9
Nitrate + Nitrite			0.10	mg/l					CALC	
Solids, Percent (%)	12/07 3:15 PM	NA	< 0.1	%	NA	KLB	NA	0.00	Grab	10
Plant Available Nitrogen			0.23	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-2001    | 6. SM 4500-OG                      |
| 2. SM 2540 D-1997    | 7. SM 4500 NH <sub>3</sub> -G-1997 |
| 3. SM 9222 D-1997    | 8. SM 4500-P-E-1999                |
| 4. SM 4500-HB-2000   | 9. SM 4500NO <sub>3</sub> E-2000   |
| 5. SM 4500-CI-G-2000 | 10. SM 2540 B-1997                 |

  
 Neville Adams, Manager

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 arkatl@sbcglobal.net

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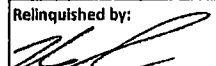

## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>Cane Island Estates</b>		<b>4899-WR-2</b>								PARAMETERS						
SAMPLE MATRIX		SAMPLED BY: <b>THS</b>				FECAL COLIFORM				CALIBRATION <b>352 T</b>			PRESERVATIVES			
						De-chlorinated w/ Na2S2O3 Preserved w/ice				# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass						
SAMPLE TYPE		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH			CBOD, TSS Tot Solids	NH3, TKN NO3, NO2 TP		
Effluent	W	12/2/15	11:15 am		X				1-120-P	6.88			1-H-P	1-L-P		

Comments:

Number of bottles: 3  
 Sample on ice: 1

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	12/2/15 3:00 pm		12-2-15 3:00 pm