

**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

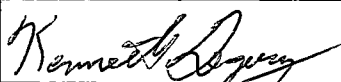
**PERMITTEE ADDRESS**  
DANNY HAMES  
6800 SHADOW VALLEY ROAD  
Rogers, AR 72756

**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  
7/1/2016 7/31/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	5.45		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	5.2		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	5.5		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	16		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	6.6		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	63.07		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.5		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	64.47		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		10,512	692			

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	8/4/2016
			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*) pH may have been low due to the low flow to the plant. We will moitor in future and check Alkalynity to see if any adjustments are needed.



# 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: July 6, 2016

Collection Time: 11:35 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	07/06 3:50 PM	07/11 10:45 AM	< 2	mg/l	NA	KLB/KLB	109.0	1.53	Grab	1
TSS	07/07 2:00 PM	NA	3.0	mg/l	NA	EET	NA	1.27	Grab	2
Fecal Coliform	07/06 3:00 PM	07/07 2:00 PM	16	N/100mls	NA	THS/EET	NA	0.00	Grab	3
pH	07/06 11:35 AM	NA	5.20	S.U.	NA	THS	NA	0.28	Grab	4
Ammonia Nitrogen	07/08 8:00 AM	NA	5.5	mg/l	NA	EET	111.1	0.00	Grab	7
Total Kjeldahl Nitrogen	07/08 8:00 AM	NA	6.60	mg/l	NA	EET	111.1	0.00	Grab	7
Total Phosphorus	07/07 10:30 AM	NA	5.45	mg/l	NA	KLB	95.9	6.16	Grab	8
Nitrate Nitrogen	07/11 8:00 AM	NA	63.07	mg/l	NA	KLB	96.1	13.16	Grab	9
Nitrite Nitrogen	07/11 8:00 AM	NA	0.50	mg/l	NA	KLB	96.1	13.16	Grab	9
Nitrate + Nitrite			63.57	mg/l					CALC	
Solids, Percent (%)	07/11 3:05 PM	NA	0.113	%	NA	EET	NA	0.89	Grab	10
Plant Available Nitrogen			64.47	mg/l					CALC	

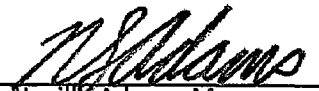
**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, Incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike 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 NH3-G-1997 |
| 3. SM 9222 D-1997    | 8. SM 4500-P-E-1999   |
| 4. SM 4500-HB-2000   | 9. SM 4500NO3 E-2000  |
| 5. SM 4500-Cl-G-2000 | 10. SM 2540 B-1997    |

  
 Neville Adams, Manager

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 arkatl@sbcglobal.net

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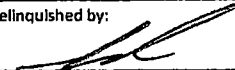
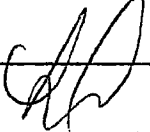
## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>Cane Island Estates</b>						<b>4899-WR-2</b>				PARAMETERS								
						FECAL COLIFORM				# = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass								
SAMPLED BY: <b>7#5</b>						De-chlorinated w/ Na2S2O3 Preserved w/Ice				CALIBRATION <b>465T</b>			PRESERVATIVES					
SAMPLE MATRIX										pH / DO #			NP			H2SO4		
SAMPLE TYPE						FECAL COLIFORM				pH			CBOD, TSS Tot. Solids			NH3, TKN NO3, NO2 TP		
W=H2O S=SLUDGE D=SOIL C=WELL						DATE				TIME			Flow			Grab		
Effluent						7/6/16				11:35am			X			X		
X						X				X			X			X		
1-120-P						5.20				1-H-P			1-L-P					
X																		

Comments:

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

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	7/6/16 3:00 pm		7-6-16 3:00 pm