

**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  
7/1/2015 7/31/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.04		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	7.52		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	0.4		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	4		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	4.16		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		7,860	254			

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.		TELEPHONE		DATE
			479	530-5926	8/11/2015
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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: July 8, 2015

Collection Time: 11:50 AM

Collected By: THS

## Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin		Analysis End		Results	Unit	Loading	Analyst	% Spike	Rel %	Sample Type	Ref #
	Date / Time	Date / Time	Date / Time	Date / Time			lb/dy					
CBOD	07/09	8:30 AM	07/14	8:45 AM	< 2.0	mg/l	NA	KLB/EET	110.8	8.59	Grab	1
TSS	07/09	10:30 AM	NA		2.0	mg/l	NA	EET	NA	1.46	Grab	2
Fecal Coliform	07/08	4:00 PM	07/09	4:15 PM	< 2	N/100mls	NA	THS/KLB	NA	9.52	Grab	3
pH	07/08	11:50 AM	NA		7.52	S.U.	NA	THS	NA	0.15	Grab	4
Ammonia Nitrogen	07/09	8:55 AM	NA		< 0.1	mg/l	NA	EET	95.0	0.00	Grab	7
Total Kjeldahl Nitrogen	07/09	8:55 AM	NA		0.40	mg/l	NA	EET	95.0	0.00	Grab	7
Total Phosphorus	07/09	9:00 AM	NA		0.04	mg/l	NA	KLB	95.7	0.00	Grab	8
Nitrate Nitrogen	07/13	10:00 AM	NA		4.00	mg/l	NA	KLB	93.4	18.10	Grab	9
Nitrite Nitrogen	07/13	10:00 AM	NA		< 0.01	mg/l	NA	KLB	93.4	18.10	Grab	9
Nitrate + Nitrite					4.01	mg/l					CALC	
Solids, Percent (%)	07/09	3:00 PM	NA		0.019	%	NA	KLB	NA	0.00	Grab	10
Plant Available Nitrogen					4.16	mg/l					CALC	

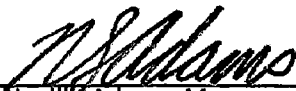
**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike 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-Cl-G | 10. SM 2540 B    |

  
 Neville Adams, Manager

# Arkansas Testing Laboratories

3301 Langley Ave · Searcy, AR 72143  
 (501) 268-6431 f(501) 268-9314  
 arkatl@sbcglobal.net

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

## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>Cane Island Estates</b>		<b>4899-WR-2</b>								PARAMETERS							
SAMPLE TYPE	SAMPLE MATRIX	SAMPLED BY: <b>THS</b>				FECAL COLIFORM				# = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass							
						De-chlorinated w/ Na2S2O3 Preserved w/Ice				CALIBRATION <b>273 T</b>				PRESERVATIVES			
		W=H2O S=SLUDGE D=SOIL C=WELL	DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH				NP	H2SO4	
Effluent	W	7/8/15	11:50 a.m.		X				1-120-P	7.52				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>	7/8/15 4:00 p.m.	<i>[Signature]</i>	7-8-15 4:00 p.m.