

**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 4/1/2016 TO MM/DD/YYYY 4/30/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	6.63		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	7.13		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	2.3		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	352		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	4.7		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	11.98		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.2		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	13		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		3,981	193			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Kathy Bartlett	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.	 <b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>	TELEPHONE		DATE
			479	530-5926	5/5/2016
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: April 6, 2016

Collection Time: 11:50 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	04/06 3:30 PM	04/11 8:30 AM	< 2.0	mg/l	NA	KLB/KLB	99.5	1.86	Grab	1
TSS	04/06 4:20 PM	NA	< 1.0	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	04/06 3:00 PM	04/07 2:25 PM	352	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	04/06 11:50 AM	NA	7.13	S.U.	NA	THS	NA	0.16	Grab	4
Ammonia Nitrogen	04/11 8:15 AM	NA	2.3	mg/l	NA	EET	105.9	4.33	Grab	7
Total Kjeldahl Nitrogen	04/11 8:15 AM	NA	4.70	mg/l	NA	EET	105.9	4.33	Grab	7
Total Phosphorus	04/07 9:30 AM	NA	6.63	mg/l	NA	KLB	96.3	0.59	Grab	8
Nitrate Nitrogen	04/08 10:00 AM	NA	11.98	mg/l	NA	KLB	97.4	3.38	Grab	9
Nitrite Nitrogen	04/08 10:00 AM	NA	0.240	mg/l	NA	KLB	97.4	3.38	Grab	9
Nitrate + Nitrite			12.22	mg/l					CALC	
Solids, Percent (%)	04/11 3:30 PM	NA	0.047	%	NA	KLB	NA	2.15	Grab	10
Plant Available Nitrogen			13.00	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:

- SM 5210 B-2001
- SM 2540 D-1997
- SM 9222 D-1997
- SM 4500-HB-2000
- SM 4500-Cl-G-2000
- SM 4500-OG
- SM 4500 NH<sub>3</sub>-G-1997
- SM 4500-P-E-1999
- SM 4500NO<sub>3</sub> E-2000
- 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: Cane Island Estates		4899-WR-2								PARAMETERS										
SAMPLE TYPE	SAMPLE MATRIX	SAMPLED BY: THS				FECAL COLIFORM				# = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass										
		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	CALIBRATION 487		PRESERVATIVES								
										pH / DO #		NP	H2SO4							
												CBOD, TSS Tot. Solids	NH3, TKN NO3, NO2 TP							
Effluent	W	4/6/16	11:50 am		X				1-120-P								1-H-P	1-L-P		

Comments:  
 Number of bottles: 3  
 Sample on ice: 4

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	4/6/16 3:00 pm		4-6-16 3:00 pm