

**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
2/1/2016

MM/DD/YYYY
2/29/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	1.92		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	6.6		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	< 1		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	52		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	0.5		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	8.31		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	8.49		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		4,332	211			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Kathy Bartlett  TYPED OR PRINTED	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	3/11/2016
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)			AREA CODE	NUMBER	MM/DD/YYYY

# 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: February 3, 2016

Collection Time: 11:10 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			lb/day					
CBOD	02/04	8:40 AM	02/09	9:00 AM	< 2.0	mg/l	NA	KLB/KLB	88.0	1.14	Grab	1
TSS	02/04	2:40 PM	NA		< 1.0	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	02/03	4:30 PM	02/04	4:10 PM	52	N/100mls	NA	THS/KLB	NA	6.27	Grab	3
pH	02/03	11:10 AM	NA		6.60	S.U.	NA	THS	NA	0.15	Grab	4
Ammonia Nitrogen	02/08	1:00 PM	NA		< 0.1	mg/l	NA	EET	102.0	0.00	Grab	7
Total Kjeldahl Nitrogen	02/08	1:00 PM	NA		0.50	mg/l	NA	EET	102.0	0.00	Grab	7
Total Phosphorus	02/05	8:00 AM	NA		1.92	mg/l	NA	KLB	99.7	10.45	Grab	8
Nitrate Nitrogen	02/08	10:00 AM	NA		8.31	mg/l	NA	KLB	97.0	15.94	Grab	9
Nitrite Nitrogen	02/08	10:00 AM	NA		< 0.010	mg/l	NA	KLB	97.0	15.94	Grab	9
Nitrate + Nitrite					8.32	mg/l					CALC	
Solids, Percent (%)	02/08	2:40 PM	NA		0.038	%	NA	KLB	NA	2.67	Grab	10
Plant Available Nitrogen					8.49	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-CI-G-2000
- SM 4500-OG
- SM 4500 NH3-G-1997
- SM 4500-P-E-1999
- SM 4500NO3 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: <b>Cane Island Estates</b>		<b>4899-WR-2</b>				PARAMETERS										
SAMPLE MATRIX	SAMPLED BY: <b>JHS</b>					FECAL COLIFORM				# = no of bottles Q, L, H = Qtz, Ltr, Half Gal P, G = Plastic, Glass						
						De-chlorinated w/ Na2S2O3 Preserved w/ice				CALIBRATION <b>386T</b>		PRESERVATIVES				
	W=H2O S=SLUDGE D=SOIL C=WELL	DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH			NP	H2SO4		
SAMPLE TYPE													CBOD, TSS Tot. Solids	NH3, TKN NO3, NO2 TP		
Effluent	W	4/3/16	11:10 am		X	X	X	X	1-120-P	6.60				1-H-P	1-L-P	

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

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
		<i>[Signature]</i>	4/3/16 4:30 pm
Relinquished by:	Date/Time	Received by:	Date/Time

INTO THE LAB