

**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**  
MM/DD/YYYY      MM/DD/YYYY  
FROM      1/1/2016      1/31/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.67		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	6.65		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	2.9		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	3.8		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	2.02		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.12		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	2.86		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		5,186	213			

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	2/3/2016
			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: January 6, 2016

Collection Time: 10:15 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/dy					
CBOD	01/06	3:20 PM	01/11	9:00 AM	< 2.0	mg/l	NA	KLB/KLB	102.3	7.04	Grab	1
TSS	01/08	1:40 PM	NA		2.0	mg/l	NA	EET	NA	8.14	Grab	2
Fecal Coliform	01/06	3:00 PM	01/07	2:30 PM	< 2	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	01/06	10:15 AM	NA		6.65	S.U.	NA	THS	NA	0.00	Grab	4
Ammonia Nitrogen	01/08	8:00 AM	NA		2.9	mg/l	NA	EET	107.1	2.01	Grab	7
Total Kjeldahl Nitrogen	01/08	8:00 AM	NA		3.80	mg/l	NA	EET	107.1	2.01	Grab	7
Total Phosphorus	01/07	8:15 AM	NA		0.67	mg/l	NA	KLB	97.7	4.35	Grab	8
Nitrate Nitrogen	01/08	12:15 PM	NA		2.02	mg/l	NA	KLB	100.8	4.34	Grab	9
Nitrite Nitrogen	01/08	12:15 PM	NA		0.120	mg/l	NA	KLB	100.8	4.34	Grab	9
Nitrate + Nitrite					2.14	mg/l					CALC	
Solids, Percent (%)	01/11	2:00 PM	NA		0.021	%	NA	KLB	NA	9.52	Grab	10
Plant Available Nitrogen					2.86	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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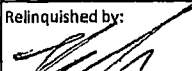
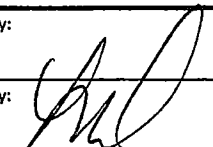
## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>Cane Island Estates</b>						<b>4899-WR-2</b>				PARAMETERS					
SAMPLE MATRIX		SAMPLED BY: <b>JAS</b>				FECAL COLIFORM				# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass					
W=H2O S=SLUDGE D=SOIL C=WELL		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	CALIBRATION <b>370T</b>			PRESERVATIVES		
SAMPLE TYPE										pH / DO #			NP	H2SO4	
Effluent		<b>W</b>	<b>4/6/16</b>		<b>X</b>				<b>1-120-P</b>				<b>1-H-P</b>	<b>1-L-P</b>	
		<b>x</b>	<b>x 10:15am</b>			<b>x</b>	<b>x</b>	<b>x</b>		<b>x 6.65</b>					

Comments:

Number of bottles: 3  
 Sample on ice: 7

COLLECT:

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