

**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
11/1/2015	11/30/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	4.18	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	6.55	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	< 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	1.1	MG/L	ONCE/ MONTH	GRAB	
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	27.93	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	28.23	MG/L	ONCE/ MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		9,294	310			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.	 <b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>	TELEPHONE	DATE
Kathy Bartlett			479 530-5926	12/3/2015
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: November 4, 2015

Collection Time: 10:35 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	11/04	2:45 PM	11/09	9:00 AM	< 2.0	mg/l	NA	KLB/KLB	95.3	7.01	Grab	1
TSS	11/05	8:10 AM	NA		< 1.0	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	11/04	2:00 PM	11/05	12:15 PM	< 2	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	11/04	10:35 AM	NA		6.55	S.U.	NA	THS	NA	0.15	Grab	4
Ammonia Nitrogen	11/06	8:05 AM	NA		< 0.1	mg/l	NA	EET	101.0	0.00	Grab	7
Total Kjeldahl Nitrogen	11/06	8:05 AM	NA		1.10	mg/l	NA	EET	101.0	0.00	Grab	7
Total Phosphorus	11/05	12:00 PM	NA		4.18	mg/l	NA	KLB	102.0	10.52	Grab	8
Nitrate Nitrogen	11/10	10:30 AM	NA		27.93	mg/l	NA	KLB	95.1	12.11	Grab	9
Nitrite Nitrogen	11/10	10:30 AM	NA		< 0.01	mg/l	NA	KLB	95.1	12.11	Grab	9
Nitrate + Nitrite					27.94	mg/l					CALC	
Solids, Percent (%)	11/10	2:00 PM	NA		0.055	%	NA	KLB	NA	6.39	Grab	10
Plant Available Nitrogen					28.23	mg/l					CALC	

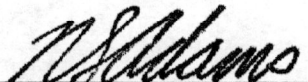
**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike 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
- 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: <i>JHS</i>				FECAL COLIFORM				# = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass				CALIBRATION <i>338T</i>				
					De-chlorinated w/ Na2S2O3 Preserved w/Ice				pH / DO #				PRESERVATIVES				
	W=H2O S=SLUDGE D=SOIL C=WELL	DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH				NP	H2SO4		
SAMPLE TYPE																	
Effluent	W	<i>11/4/15</i>	<i>10:35</i>		X				1-120-P	<i>6.55</i>				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>	<i>11/4/15 2:00 pm</i>	<i>[Signature]</i>	<i>11-4-15 2:00 pm</i>