

A12A18

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
MONTHLY MONITORING REPORT**

<b>PERMITTEE NAME</b>
CANE ISLAND SUBDIVISION

<b>FACILITY NAME (IF DIFFERENT)</b>
Cane Island Subdivision

<b>PERMIT NO.</b>
4899-WR-2

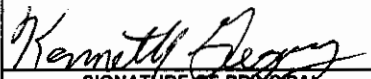
<b>PERMITTEE ADDRESS</b>
DANNY HAMES 6800 SHADOW VALLEY ROAD Rogers, AR 72756

<b>FACILITY ADDRESS</b>
west side of CR 7002 in northern Marion County

<b>AFIN NO.</b>
45-00214

<b>WASTEWATER EFFLUENT MONITORING PERIOD</b>
MM/DD/YYYY
FROM 10/1/2014
MM/DD/YYYY
10/31/2014

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.23		MG/L	ONCE/MONTH	GRAB
COD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	< 2		MG/L	ONCE/MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	8.01		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	< .1		MG/L	ONCE/MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	40		colonies/100ml	ONCE/MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	1.74		MG/L	ONCE/MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	1.32		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	1.75		MG/L	ONCE/MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/MONTH	TOTAL FLOW
		605	38.400			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Kathy Bartlett	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM AWARE OF 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	11/11/2014
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: October 29, 2014

Collection Time: 8:59 AM

Collected By: KWS

## 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	10/29	3:00 PM	11/03	9:00 AM	< 2	mg/l	NA	KLB / KLB	92.8	7.08	Grab	1
TSS	10/31	8:20 AM	NA		< 2	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	10/29	2:50 PM	10/30	3:30 PM	40	N/100mls	NA	EET / KLB	NA	0.00	Grab	3
pH	10/29	8:59 AM	NA		8.01	S.U.	NA	KWS	NA	0.14	Grab	4
Ammonia Nitrogen	10/30	10:40 AM	NA		< 0.1	mg/l	NA	EET	110.7	8.70	Grab	7
Total Kjeldahl Nitrogen	10/30	10:40 AM	NA		1.74	mg/l	NA	EET	110.7	8.70	Grab	7
Total Phosphorus	11/06	8:50 AM	NA		0.23	mg/l	NA	KLB	99.7	6.42	Grab	8
Nitrate Nitrogen	10/31	9:00 AM	NA		1.32	mg/l	NA	KLB	91.8	5.09	Grab	9
Nitrite Nitrogen	10/31	9:00 AM	NA		< 0.01	mg/l	NA	KLB	91.8	5.09	Grab	9
Nitrate + Nitrite					1.33	mg/l					CALC	
Solids, Percent (%)	10/31	3:00 PM	NA		0.016	%	NA	KLB	NA	0.71	Grab	10
Plant Available Nitrogen					1.75	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

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 arkatl@sbcglobal.net

NPDES Wastewater Monitoring  
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## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>Cane Island Estates</b>		<b>4899-WR-2</b>								PARAMETERS													
		SAMPLED BY: <i>[Signature]</i>				FECAL COLIFORM				# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass													
		De-chlorinated w/ Na2S2O3 Preserved w/Ice				CALIBRATION				PRESERVATIVES													
SAMPLE MATRIX		DATE				TIME				pH / DO #		NP		H2SO4									
SAMPLE TYPE		DATE		TIME		Flow		Grab		FECAL COLIFORM		DISH #		START TIME		MLS		pH		CBOD, TSS, Tot. Solids		NH3, TKN, NO3, NO2, TP	
W=H2O S=SLUDGE D=SOIL C=WELL		10-29-14		8:59a				X								1-120-P		8.01		1-H-P		1-L-P	

Comments:

Number of bottles: \_\_\_\_\_ COLLECT: \_\_\_\_\_  
 Sample on ice: \_\_\_\_\_

Relinquished by:	Date/Time	Received by:	Date/Time
<i>[Signature]</i>	10-29-14 2:35p	<i>[Signature]</i>	10-29-14 2:35p