

**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

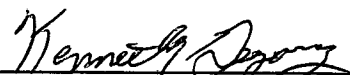
**FACILITY ADDRESS**  
west side of CR 7002 in northern Marion County

**AFIN NO.**  
45-00214

**WASTEWATER EFFLUENT MONITORING PERIOD**  
FROM 

MM/DD/YYYY	MM/DD/YYYY
12/1/2014	12/31/2014

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.04		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	8		S.U.	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	4		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	< 1		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	0.7		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	1.96		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	2.18		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		0	38,400			

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.	 <b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>	TELEPHONE		DATE
			479	530-5926	12/31/2014
			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: December 3, 2014  
 Collection Time: 10:10 AM  
 Collected By: EET

## 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	12/03	4:00 PM	12/08	11:00 AM	< 2	mg/l	NA	KLB / KLB	96.5	6.23	Grab	1
TSS	12/04	10:00 AM	NA		4	mg/l	NA	KLB	NA	13.33	Grab	2
Fecal Coliform	12/03	3:15 PM	12/04	3:10 PM	< 1	N/100mls	NA	DHW/KLB	NA	0.00	Grab	3
pH	12/03	10:10 AM	NA		8.00	S.U.	NA	EET	NA	0.43	Grab	4
Ammonia Nitrogen	12/04	9:00 AM	NA		< 0.1	mg/l	NA	KLB	95.9	4.03	Grab	7
Total Kjeldahl Nitrogen	12/04	9:00 AM	NA		0.70	mg/l	NA	KLB	95.9	4.03	Grab	7
Total Phosphorus	12/04	8:30 AM	NA		0.04	mg/l	NA	KLB	100.6	5.71	Grab	8
Nitrate Nitrogen	12/09	10:30 AM	NA		1.96	mg/l	NA	KLB	99.2	3.18	Grab	9
Nitrite Nitrogen	12/09	10:30 AM	NA		< 0.01	mg/l	NA	KLB	99.2	3.18	Grab	9
Nitrate + Nitrite					1.97	mg/l					CALC	
Solids, Percent (%)	12/05	2:00 PM	NA		0.018	%	NA	KLB	NA	2.25	Grab	10
Plant Available Nitrogen					2.18	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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 (501) 268-6431 f(501) 268-9314  
 arkatl@sbcglobal.net

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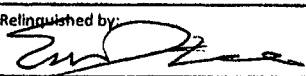
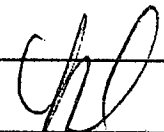
## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT:		Cane Island Estates								4899-WR-2				PARAMETERS			
SAMPLE TYPE	SAMPLE MATRIX W=H2O S=SLUDGE D=SOIL C=WELL	SAMPLED BY: EET PHW				FECAL COLIFORM De-chlorinated w/ Na2S2O3 Preserved w/ice				CALIBRATION pH / DO # DS-5				PRESERVATIVES # = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass			
		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START-TIME	MLS	pH				NP	H2SO4		
														CBOD, TSS Tot. Solids	NH3, TKN NO3, NO2 TP		
Effluent	W	12-3-14	AM 10:10		X				1-120-P	8.00				1-H-P	1-L-P		

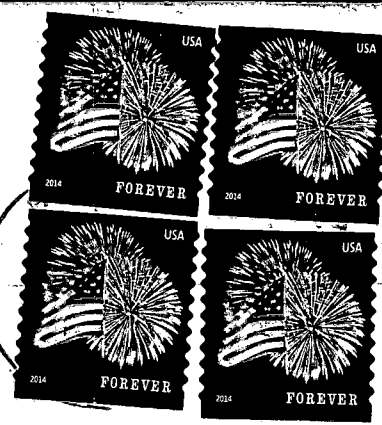
Comments:

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

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	12-3-14 2:30 pm		12-3-14 2:30 pm

GCD  
P.O. Box 9299  
Fayetteville, AR 72703



ADEQ Water Division  
Permits Branch  
5301 Northshore Dr  
N Little Rock, AR 72118-5317

