

**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

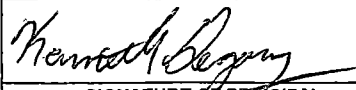
PERMITTEE ADDRESS
DANNY HAMES
6800 SHADOW VALLEY ROAD
Rogers, AR 72756

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**
1/1/2016 11/30/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	7.44		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	6.15		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	3		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	3.1		MG/L	ONCE/MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	37.03		MG/L	ONCE/MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	4.58		MG/L	ONCE/MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	37.73		MG/L	ONCE/MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/MONTH	TOTAL FLOW
		11,647	568			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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
Kathy Bartlett			479	530-5926	12/8/2016
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 (844) 318-7030

NPDES Wastewater Monitoring
Water and Wastewater Analysis
Concrete, Asphalt, and Aggregate Testing
Geotechnical Testing
Industrial and Construction Quality Control

CANE ISLAND

Collection Date: November 2, 2016
Collection Time: 11:40 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	11/02	3:45 PM	11/07	9:30 AM	< 2.0	mg/l	NA	KLB/KLB	108.8	4.71	Grab	1
TSS	11/04	7:00 PM		NA	2.0	mg/l	NA	BET	NA	20.05	Grab	2
Fecal Coliform	11/02	3:00 PM	11/03	1:50 PM	< 2	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	11/02	11:40 AM		NA	6.15	S.U.	NA	THS	NA	0.29	Grab	4
Ammonia Nitrogen	11/04	10:50 AM		NA	3.0	mg/l	NA	KLB	90.0	0.00	Grab	7
Total Kjeldahl Nitrogen	11/04	10:50 AM		NA	3.10	mg/l	NA	KLB	90.0	0.00	Grab	7
Total Phosphorus	11/04	1:00 PM		NA	7.44	mg/l	NA	KLB	102.1	0.00	Grab	8
Nitrate Nitrogen	11/07	9:00 AM		NA	37.03	mg/l	NA	KLB	90.8	4.48	Grab	9
Nitrite Nitrogen	11/07	9:00 AM		NA	4.58	mg/l	NA	KLB	90.8	4.48	Grab	9
Nitrate + Nitrite					41.61	mg/l					CALC	
Solids, Percent (%)	11/04	2:15 PM		NA	0.080	%	NA	KLB	NA	1.42	Grab	10
Plant Available Nitrogen					37.73	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 H₂SO₄ to pH₂: Oil & Grease, Ammonia, COD

References:

Analysis complies with 40 CFR Part 136:

- | | |
|----------------------|------------------------------------|
| 1. SM 5210 B-2001 | 6. SM 4500-OG |
| 2. SM 2540 D-1997 | 7. SM 4500 NH ₃ -G-1997 |
| 3. SM 9222 D-1997 | 8. SM 4500-P-E-1999 |
| 4. SM 4500-HB-2000 | 9. SM 4500NO ₃ E-2000 |
| 5. SM 4500-CI-G-2000 | 10. SM 2540 B-1997 |


Neville Adams, Manager

Arkansas Testing Laboratories

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 arkatl@sbcglobal.net

NPDES Wastewater Monitoring
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 Industrial and Construction Quality Control

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: Cane Island Estates						4899-WR-2						PARAMETERS					
SAMPLE MATRIX W=H2O S=SLUDGE D=SOIL C=WELL		SAMPLED BY: <i>SHS</i>				FECAL COLIFORM De-chlorinated w/ Na2S2O3 Preserved w/ice				CALIBRATION <i>5247</i>			PRESERVATIVES				
		# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass						pH / DO #			NP			H2SO4			
		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH			CBOD, TSS Tot. Solids	NH3, TKN NO3, NO2 TP			
Effluent	W	<i>11/6/16</i>	<i>11:40 AM</i>		X				1-120-P	<i>6.15</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>11/6/16 3:00 PM</i>	<i>[Signature]</i>	<i>11-2-16 3:00 PM</i>