

**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

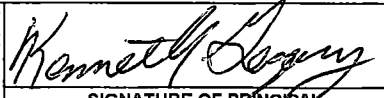
PERMITTEE ADDRESS
DANNY HAMES
6800 SHADOW VALLEY ROAD
Rogers, AR 72756

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 9/1/2016 9/30/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	8.37		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		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	7.8		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	8.6		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	20.37		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.013		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	22.17		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		18,745	829			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM AWARE 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
Kathy Bartlett			479	530-5926	10/10/2016
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>)					

Arkansas Testing Laboratories

3301 Langley Ave · Searcy, AR 72143
 (501) 268-6431 f(501) 268-9314
 arkatl@sbcglobal.net

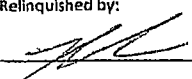
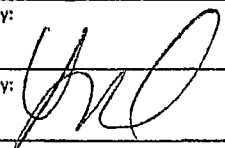
NPDES Wastewater Monitoring
 Water and Wastewater Analysis
 Concrete, Asphalt, and Aggregate Testing
 Geotechnical Testing
 Industrial and Construction Quality Control

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: JHS				FECAL COLIFORM De-chlorinated w/ Na2S2O3 Preserved w/ice				CALIBRATION 496 T			PRESERVATIVES		
		<small># = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass</small> 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	9/14/16	10:00 am		X				1-120-P	6.00			1-H-P	1-L-P	

Comments:
 Number of bottles: 3
 Sample on ice: 4

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	9/14/16 5:00 pm		9-14-16 5:00 pm

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CANE ISLAND

Collection Date: September 14, 2016

Collection Time: 10:00 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	09/16	7:00 AM	09/21	9:00 AM	< 2.0	mg/l	NA	KLB/KLB	104.5	0.00	Grab	1
TSS	09/15	3:55 PM	NA		1.0	mg/l	NA	EET	NA	11.76	Grab	2
Fecal Coliform	09/14	5:00 PM	09/15	3:25 PM	< 2	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	09/14	10:00 AM	NA		6.00	S.U.	NA	THS	NA	0.14	Grab	4
Ammonia Nitrogen	09/16	3:50 PM	NA		7.8	mg/l	NA	EET	98.9	0.31	Grab	7
Total Kjeldahl Nitrogen	09/16	3:50 PM	NA		8.60	mg/l	NA	EET	98.9	0.31	Grab	7
Total Phosphorus	09/16	9:50 AM	NA		8.37	mg/l	NA	KLB	96.0	3.87	Grab	8
Nitrate Nitrogen	09/22	9:00 AM	NA		20.37	mg/l	NA	KLB	90.0	1.86	Grab	9
Nitrite Nitrogen	09/22	9:00 AM	NA		0.013	mg/l	NA	KLB	90.0	1.86	Grab	9
Nitrate + Nitrite					20.38	mg/l					CALC	
Solids, Percent (%)	09/20	11:30 AM	NA		0.110	%	NA	KLB	NA	2.84	Grab	10
Plant Available Nitrogen					22.17	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 NH3-G-1997 |
| 3. SM 9222 D-1997 | 8. SM 4500-P-E-1999 |
| 4. SM 4500-HB-2000 | 9. SM 4500NO3 E-2000 |
| 5. SM 4500-Cl-G-2000 | 10. SM 2540 B-1997 |


 Neville Adams, Manager