

**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

AJIN NO.
45-00214

WASTEWATER EFFLUENT MONITORING PERIOD
FROM **MM/DD/YYYY** **MM/DD/YYYY**
2/1/2015 2/28/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.25		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	7.52		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	< .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	1.75		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	1.97		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	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
			479	530-5926	3/5/2015
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)		AREA CODE	NUMBER	MM/DD/YYYY	

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: February 4, 2015
 Collection Time: 9:50 AM
 Collected By: THS

Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin Date / Time	Analysis End Date / Time	Results	Unit	Loading lb/day	Analyst	% Spike	Rel %	Sample Type	Ref #
CBOD	02/05 9:30 AM	02/10 11:00 AM	2	mg/l	NA	KLB/KLB	90.6	1.29	Grab	1
TSS	02/09 8:30 AM	NA	< 1	mg/l	NA	KAA	NA	1.13	Grab	2
Fecal Coliform	02/04 3:00 PM	02/05 2:00 PM	< 1	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	02/04 9:50 AM	NA	7.52	S.U.	NA	THS	NA	2.45	Grab	4
Ammonia Nitrogen	02/06 7:30 AM	NA	< 0.1	mg/l	NA	EET	94.6	0.00	Grab	7
Total Kjeldahl Nitrogen	02/06 7:30 AM	NA	0.70	mg/l	NA	EET	94.6	0.00	Grab	7
Total Phosphorus	02/05 9:00 AM	NA	0.25	mg/l	NA	KLB	98.0	3.39	Grab	8
Nitrate Nitrogen	02/09 9:30 AM	NA	1.75	mg/l	NA	KLB	97.4	3.72	Grab	9
Nitrite Nitrogen	02/09 9:30 AM	NA	0.000	mg/l	NA	KLB	97.4	3.72	Grab	9
Nitrate + Nitrite			1.76	mg/l					CALC	
Solids, Percent (%)	02/05 3:00 PM	NA	0.023	%	NA	KLB	NA	3:10	Grab	10
Plant Available Nitrogen			1.97	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 | 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-CI-G | 10. SM 2540 B |


 Neville Adams, Manager

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

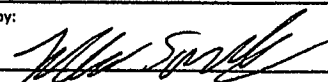
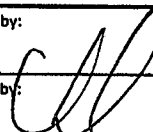
CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: Cane Island Estates		4899-WR-2								PARAMETERS							
SAMPLE MATRIX		SAMPLED BY: THS				FECAL COLIFORM				# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass							
W=H2O S=SLUDGE D=SOIL C=WELL		DATE	TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH	DO #	NP	H2SO4	PRESERVATIVES			
SAMPLE TYPE												CBOD, TSS Tot Solids	NH3, TKN NO3, NO2 TP				
Effluent	W	2-4-15	9:50 am		X				1-120-P	7.52				1-H-P	1-L-P		

Comments:

Number of bottles: _____
 Sample on ice: _____

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	2/4/15 3 pm		2-4-15 3:00 pm