

**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

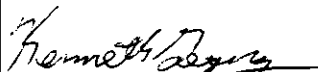
PERMITTEE ADDRESS
DANNY HAMES 6800 SHADOW VALLEY ROAD Rogers, AR 72756

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 11/1/2014	11/30/2014

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.11	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	7.78	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	< 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	3.3	MG/L	ONCE/ MONTH	GRAB	
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	1.82	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	2.56	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	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
			479	530-5926	12/1/2014
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*) Total Flow is so low (only 2 full time residents in the subdivision) all the incoming flow is being recirculated back to the EQ basin and making a full circle. After it all fills up, we will see small flow

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: November 5, 2014

Collection Time: 11:30 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	Date / Time	Date / Time			lb/dy					
CBOD	11/07	7:00 AM	11/12	11:00 AM	< 2	mg/l	NA	KLB / KLB	86.5	13.21	Grab	1
TSS	11/10	2:00 PM	NA		< 1	mg/l	NA	KLB	NA	0.00	Grab	2
Fecal Coliform	11/05	5:00 PM	11/06	3:10 PM	< 1	N/100mls	NA	BET / KLB	NA	4.02	Grab	3
pH	11/05	11:30 AM	NA		7.78	S.U.	NA	EET	NA	0.13	Grab	4
Ammonia Nitrogen	11/10	8:00 AM	NA		< 0.1	mg/l	NA	KLB	94.4	9.93	Grab	7
Total Kjeldahl Nitrogen	11/10	8:00 AM	NA		3.30	mg/l	NA	KLB	94.4	9.93	Grab	7
Total Phosphorus	11/06	8:50 AM	NA		0.11	mg/l	NA	KLB	99.7	6.42	Grab	8
Nitrate Nitrogen	11/13	9:30 AM	NA		1.82	mg/l	NA	KLB	101.3	5.52	Grab	9
Nitrite Nitrogen	11/13	9:30 AM	NA		< 0.01	mg/l	NA	KLB	101.3	5.52	Grab	9
Nitrate + Nitrite					1.83	mg/l					CALC	
Solids, Percent (%)	11/10	4:20 PM	NA		0.022	%	NA	KLB	NA	13.95	Grab	10
Plant Available Nitrogen					2.56	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 TYPE	SAMPLE MATRIX W=H2O S=SLUDGE D=SOIL C=WELL	SAMPLED BY: EEF				FECAL COLIFORM				# = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass						
		De-chlorinated w/ Na2S2O3 Preserved w/ice				CALIBRATION			PRESERVATIVES							
		DATE	TIME	Flow	Grab	SPECIALS CDIFORM	DISH	START TIME	MLS	pH / DO #			NP	H2SO4		
Effluent	W	11-5-14	1130 pm		X				1-120-P	7.79	0.80	8.16	1-H-P	1-L-P		

Comments:

Number of bottles: _____
 Sample on Ice: _____

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	11-5-14 455 pm	Received by:	11-5-14 455 pm