

**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 10/1/2015 10/31/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	0.48	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	7.13	S.U.	ONCE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	3	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	< 2	colonies/100ml	ONCE/ MONTH	GRAB	
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	0.6	MG/L	ONCE/ MONTH	GRAB	
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	2.83	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	3.03	MG/L	ONCE/ MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		7,279	285			

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	11/13/2015
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(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: October 7, 2015
 Collection Time: 11:50 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	10/07	4:10 PM	10/12	9:00 AM	< 2.0	mg/l	NA	EET/KLB	102.5	2.23	Grab	1
TSS	10/08	2:45 PM	NA		3.0	mg/l	NA	EET	NA	6.45	Grab	2
Fecal Coliform	10/07	4:00 PM	10/08	3:50 PM	< 2	N/100mls	NA	THS/KLB	NA	0.00	Grab	3
pH	10/07	11:50 AM	NA		7.13	S.U.	NA	THS	NA	0.48	Grab	4
Ammonia Nitrogen	10/08	8:40 AM	NA		< 0.1	mg/l	NA	EET	93.9	0.00	Grab	7
Total Kjeldahl Nitrogen	10/08	8:40 AM	NA		0.60	mg/l	NA	EET	93.9	0.00	Grab	7
Total Phosphorus	10/09	9:30 AM	NA		0.48	mg/l	NA	KLB	98.4	7.38	Grab	8
Nitrate Nitrogen	10/15	1:00 PM	NA		2.83	mg/l	NA	KLB	88.3	12.39	Grab	9
Nitrite Nitrogen	10/15	1:00 PM	NA		< 0.01	mg/l	NA	KLB	88.3	12.39	Grab	9
Nitrate + Nitrite					2.84	mg/l					CALC	
Solids, Percent (%)	10/12	1:20 PM	NA		0.021	%	NA	KLB	NA	4.35	Grab	10
Plant Available Nitrogen					3.03	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%.

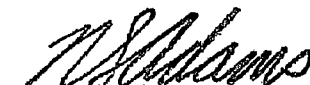
Notes: Samples iced at collection. Preserved with H₂SO₄ to pH₂; Oil & Grease, Ammonia, COD

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 | 8. SM 4500-P-E-1999 |
| 4. SM 4500-HB-2000 | 9. SM 4500NO3 E-2000 |
| 5. SM 4500-CI-G | 10. SM 2540 B-1997 |

No Chain of Custody


 Neville Adams, Manager