

**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
10/1/2016	10/31/2016

FROM

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	7.56	MG/L	ONCE/ MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	2.4	MG/L	ONCE/ MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	6.05	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	8.6	MG/L	ONCE/ MONTH	GRAB	
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	2,000	10	colonies/100ml	ONCE/ MONTH	GRAB	
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	17.4	MG/L	ONCE/ MONTH	GRAB	
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	19.79	MG/L	ONCE/ MONTH	GRAB	
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	10.14	MG/L	ONCE/ MONTH	GRAB	
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	23.35	MG/L	ONCE/ MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		8,612	570			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Kathy Bartlett TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM 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
			479	530-5926	11/12/2016
			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

Arkansas Testing Laboratories

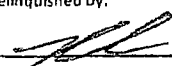
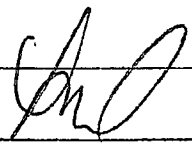
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NPDES Wastewater Monitoring
 Water and Wastewater Analysis
 Concrete, Asphalt, and Aggregate Testing
 Geotechnical Testing
 Industrial and Construction Quality Control

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	CALIBRATION 509T			PRESERVATIVES		
SAMPLE TYPE										pH / DO #			NP	H2SO4	
													CBOD,TSS Tot. Solids	NH3,TKN NO3,NO2 TP	
Effluent	W	10/5/16	11:45 AM		X				1-120-P	6.05			1-H-P	1-L-P	

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

Relinquished by:	Date/Time	Received by:	Date/Time
	10/5/16 3:30 pm		10-5-16 3:30 pm

Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143 (501) 268-6431 f(501) 268-9314

NPDES Wastewater Monitoring
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CANE ISLAND

Collection Date: October 5, 2016
 Collection Time: 11:45 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/day					
CBOD	10/05	3:50 PM	10/10	10:00 AM	2.4	mg/l	NA	KLB/KLB	96.0	5.50	Grab	1
TSS	10/06	2:50 PM	NA		< 1.0	mg/l	NA	KLB	NA	5.48	Grab	2
Fecal Coliform	10/05	3:30 PM	10/06	2:55 PM	10	N/100mls	NA	THS/KLB	NA	11.77	Grab	3
pH	10/05	11:45 AM	NA		6.05	S.U.	NA	THS	NA	0.15	Grab	4
Ammonia Nitrogen	10/10	8:00 AM	NA		8.6	mg/l	NA	JLH	98.4	0.00	Grab	7
Total Kjeldahl Nitrogen	10/10	8:00 AM	NA		17.40	mg/l	NA	JLH	98.4	0.00	Grab	7
Total Phosphorus	10/07	11:00 AM	NA		7.56	mg/l	NA	KLB	94.0	6.40	Grab	8
Nitrate Nitrogen	10/07	7:30 AM	NA		19.79	mg/l	NA	KLB	93.1	6.53	Grab	9
Nitrite Nitrogen	10/07	7:30 AM	NA		10.14	mg/l	NA	KLB	93.1	6.53	Grab	9
Nitrate + Nitrite					29.93	mg/l					CALC	
Solids, Percent (%)	10/10	2:30 PM	NA		0.090	%	NA	KLB	NA	2.45	Grab	10
Plant Available Nitrogen					23.35	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