

**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
6/1/2016	6/30/2016

FROM

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	1.44	MG/L	ONCE/ MONTH	GRAB	
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	3.9	MG/L	ONCE/ MONTH	GRAB	
PH EFFLUENT GROSS VALUE	6 to 9	7.25	S.U.	ONCE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	4	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	1,722	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	8	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	8.22	MG/L	ONCE/ MONTH	GRAB	
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		7,236	679			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Kathy Bartlett	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	7/14/2016
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: June 8, 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	06/08	3:10 PM	06/13	9:00 AM	3.9	mg/l	NA	BET/KLB	102.3	0.00	Grab	1
TSS	06/08	9:00 AM	NA		4.0	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	06/08	3:00 PM	06/09	2:00 PM	1,722	N/100mls	NA	THS/EET	NA	0.00	Grab	3
pH	06/08	11:45 AM	NA		7.25	S.U.	NA	THS	NA	0.41	Grab	4
Ammonia Nitrogen	06/10	2:00 PM	NA		< 0.1	mg/l	NA	EET	95.4	0.85	Grab	7
Total Kjeldahl Nitrogen	06/10	2:00 PM	NA		0.70	mg/l	NA	EET	95.4	0.85	Grab	7
Total Phosphorus	06/09	8:00 AM	NA		1.44	mg/l	NA	KLB	97.0	2.88	Grab	8
Nitrate Nitrogen	06/16	11:45 AM	NA		8.00	mg/l	NA	KLB	93.4	2.84	Grab	9
Nitrite Nitrogen	06/16	11:45 AM	NA		< 0.010	mg/l	NA	KLB	93.4	2.84	Grab	9
Nitrate + Nitrite					8.01	mg/l					CALC	
Solids, Percent (%)	06/14	2:10 PM	NA		0.040	%	NA	KLB	NA	1.99	Grab	10
Plant Available Nitrogen					8.22	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

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 arkatl@sbcglobal.net

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CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: Cane Island Estates						4899-WR-2				PARAMETERS						
SAMPLE MATRIX		SAMPLED BY: TAS				FECAL COLIFORM				# = no of bottles Q, L, H = Qt, Ltr, Half Gal P, G = Plastic, Glass						
						De-chlorinated w/ Na2S2O3 Preserved w/ice				CALIBRATION 1497			PRESERVATIVES			
		DATE		TIME	Flow	Grab	FECAL COLIFORM	DISH #	START TIME	MLS	pH			NP	H2SO4	
SAMPLE TYPE		W=H2O S=SLUDGE D=SOIL C=WELL												CBOD,TSS Tot. Solids	NH3,TKN NO3,NO2 TP	
Effluent		W	6/8/16	11:45 AM		X	X			1-120-P	7.25			1-H-P	1-L-P	

Comments:

Number of bottles: _____
 Sample on ice: _____

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
<i>[Signature]</i>	6/8/16 3:50 PM	INTO THE LAB <i>[Signature]</i>	6-8-16 3:50 PM