

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 8/1/2016	8/31/2016

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	7.69		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	6		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	9.2		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	10.9		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	37.96		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	40.22		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		11,979	988			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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	9/8/2016
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: August 3, 2016

Collection Time: 11:30 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	08/03 4:00 PM	08/08 10:30 AM	< 2.0	mg/l	NA	KLB/KLB	114.5	3.03	Grab	1
TSS	08/05 2:30 PM	NA	1.0	mg/l	NA	KLB	NA	0.00	Grab	2
Fecal Coliform	08/03 3:30 PM	08/04 4:00 PM	< 2	N/100mls	NA	THS/KLB	NA	3.54	Grab	3
pH	08/03 11:30 AM	NA	6.00	S.U.	NA	THS	NA	0.00	Grab	4
Ammonia Nitrogen	08/05 8:30 AM	NA	9.2	mg/l	NA	EET	95.0	1.16	Grab	7
Total Kjeldahl Nitrogen	08/05 8:30 AM	NA	10.90	mg/l	NA	EET	95.0	1.16	Grab	7
Total Phosphorus	08/05 8:30 AM	NA	7.69	mg/l	NA	KLB	97.5	4.11	Grab	8
Nitrate Nitrogen	08/08 8:15 AM	NA	37.96	mg/l	NA	KLB	100.7	6.38	Grab	9
Nitrite Nitrogen	08/08 8:15 AM	NA	< 0.01	mg/l	NA	KLB	100.7	6.38	Grab	9
Nitrate + Nitrite			37.97	mg/l					CALC	
Solids, Percent (%)	08/04 8:00 AM	NA	0.125	%	NA	KLB	NA	5.10	Grab	10
Plant Available Nitrogen			40.22	mg/l					CALC	

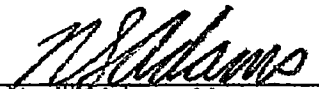
Quality Assurance: All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies 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:

- SM 5210 B-2001
- SM 2540 D-1997
- SM 9222 D-1997
- SM 4500-HB-2000
- SM 4500-CI-G-2000
- SM 4500-OG
- SM 4500 NH₃-G-1997
- SM 4500-P-E-1999
- SM 4500NO₃ E-2000
- SM 2540 B-1997


 Neville Adams, Manager

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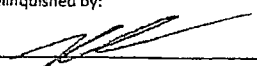
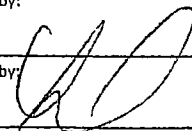
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CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: Cane Island Estates		4899-WR-2								PARAMETERS					
SAMPLE MATRIX		SAMPLED BY: JHS				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 4777		PRESERVATIVES			
SAMPLE TYPE										pH		NP	H2SO4		
Effluent	W	8/3/16	11:30 am		X				1-120-P	6.00		1-H-P	1-L-P		

Comments:
 Number of bottles: 3
 Sample on ice: g

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
	8/3/16 3:30 pm		8-3-16 5:30 pm