

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
MONTHLY MONITORING REPORT

PERMITTEE NAME

Waterford Estates at Hissom Ranch POA

PERMITTEE ADDRESS

3567 W New Hope Rd
Rogers, AR 72756

FACILITY NAME (IF DIFFERENT)

Waterford Estates at Hissom Ranch POA

FACILITY ADDRESS

2323 Bowen Blvd
Fayetteville AR 72703

PERMIT NO.

4815-WR-4

AFIN NO.

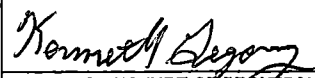
72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY	MM/DD/YYYY
12/1/2016	12/31/2016

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.783901	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.032561	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	8.8	mg/l		
Fecal Colliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7	s.u.		
Total Phosphorus (TP)	REPORT	6.8	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.	<div style="text-align: center;">  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT </div>	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	1/12/2016
TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)				

WATERFORD ESTATES LOADING RATES	
Zone Identification	GPD/sq 2
Zone 1A	2,703
Zone 1B	2,572
Zone 2A	2,572
Zone 2B	2,442
Zone 3A	2,572
Zone 3B	2,572
Zone 4A	2,572
Zone 4B	2,572
Zone 5A	2,849
Zone 5B	2,983
Zone 6A	2,849
Zone 6B	3,256

Environmental Services Company, Inc.

Corporate Office
13715 West Markham
Little Rock, AR 72211
Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1612020226	Sample Date : 12/14/16	Collected By: AU
Customer Name : GREENFIELD CAP DEV-WATERFORD	Sample Time : 0822	Delivery By : AU
Customer/Permit No. : 1886 / 4815-WR-4	Sample Type : GRAB WATERFORD	Work Order :
Report Date : 12/20/16	Sample From : DOSE TANK EFFLUENT	Purchase Order :

Laboratory Analysis

Analysis			Result	Notes	Quantity	Method
Date	Time	By	Parameter			
12/14	0827	AEU	pH	7.0 S.U.		SM 2000 4500-H+ B
12/19	1300	TSB	Phosphorous, Total (as P)	6.8 mg/L		EPA 365.3
12/14	1045	JCB	Solids, Total Suspended	8.8 mg/L		SM 1997 2540 D
12/14	1607	AEU	Coliform, Fecal	< 4 /100ml		SM 9222 D 1997
12/14	1400	RHB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B

Quality Assurance

Precision	Accuracy
% RPD	% Recovery
0.00	N/A *
0.00	102.3 *
0.00	N/A *
0.00	N/A *
6.15	92.4 *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Richard Brown

Environmental Services Co., Inc.

Environmental Services Company, Inc.
Northwest Arkansas
1107 Century Street
Springdale, Arkansas 72762
website: www.esclabs.com



Corporate Office, Little Rock, Arkansas
501-221-2565

Carlsbad, New Mexico
575-887-1ESC

Phone: 479-750-1170 Fax: 479-750-1172

CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters							
Company Name: Waterford Estates				Permit/Project #:						<p>pH(23)</p> <p>F. Coliform(43)</p> <p>CBOD(70), TSS(28)</p> <p>Phos(25)</p>							
Address: 1695 Electric Avenue				Purchase Order #:													
Springdale AR 72764				Sampler Name(s): <i>Amber Underwood</i>													
Telephone: (479)751-8868				and Signature(s): <i>[Signature]</i>													
FAX: (479)757-7650																	
ESC Client Number: 1886																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	pH(23)	F. Coliform(43)	CBOD(70), TSS(28)	Phos(25)				
Dose Tank/Effluent	1102020226	12/14/10	0822	Grab	Water	Teflon	150 ml	none	1	X							
Waterford Estates	I	I	I	Grab	Water	whirlpak	300 ml	none/ice	1		X						
				Grab	Water	Plastic	1 qt	none/ice	1			X					
				Grab	Water	Plastic	8 oz	H ₂ SO ₄ pH <2	1				X				
Relinquished By: (Signature and Printed Name) <i>Amber Underwood</i>				Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:					
				12/14/10	1038							Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)				Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:					
												Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)				Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:					
						<i>John Byrd</i>				12/14/10	1038	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Comments:						FLOW DATA		Field Test		Time		Analyst		Result		Units	
						Analyst:		pH:		0827		AEL		7.0		°C	
						Time:		Temp.:		0827		AEL		13.3		°F	
						Reading:		DO:									
						Units:		Debris:									
Cool all samples to 6 degrees C.								Chlorinated?		Yes No		This Document is Page 1 of 1					