

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.

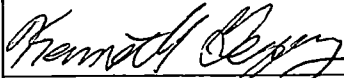
72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY		MM/DD/YYYY
11/1/2017		11/30/2017

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.916855	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.037818	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	10	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	20	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	7.5	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	12/5/2017
TYPED OR PRINTED				MM/DD/YYYY

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

Nov 2017 WATERFORD ESTATES LOADING RATES 37,818 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,139
Zone 1B	2,988
Zone 2A	2,988
Zone 2B	2,836
Zone 3A	2,988
Zone 3B	2,988
Zone 4A	2,988
Zone 4B	2,988
Zone 5A	3,312
Zone 5B	3,464
Zone 6A	3,312
Zone 6B	3,782

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: 1711020146
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 11/20/17

Sample Date : 11/15/17
Sample Time : 0854
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK

Collected By: AEU
Delivery By : EU
Work Order :
Purchase Order :

Laboratory Analysis

Analysis								Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
11/15	0858	AEU	pH	7.7	S.U.		SM 2000 4500-H+ B	0.00	N/A
11/16	1045	TSB	Phosphorous, Total (as P)	7.5	mg/L		EPA 365.3	0.00	103.6 *
11/16	1220	JCB	Solids, Total Suspended	10.0	mg/L		SM 1997 2540 D	37.84	N/A *
11/15	1650	JCB	Coliform, Fecal	20	/100ml		SM 9222 D 1997	20.00	N/A
11/15	1400	TSB	BOD, Carbonaceous	< 2.0	mg/L		SM 2001 5210 B	10.81	88.0 *
11/15	0858	AEU	Sample Collection/Travel	1	each				

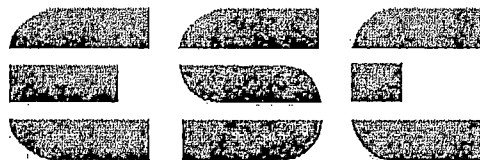
* QA data shown is from a different sample or standard on the same date.

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 #:					pH(23)	F. Coliform(43)	CBOD(70), TSS(28)	Phos(25)						
Address: 1695 Electric Avenue						Purchase Order #:														
Springdale AR 72764																				
Telephone: (479)751-8868						Sampler Name(s): <i>Amber Underwood</i>														
FAX: (479)757-7650						and Signature(s): <i>[Signature]</i>														
ESC Client Number: 1886																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Dose Tank/Effluent	1711020/46	11/15/17	0854	Grab	Water	Teflon	150 ml	none	1	X										
Waterford Estates	L	L	L	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)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:												
<i>[Signature]</i> Amber Underwood		11/15/17	1100	<i>[Signature]</i> Tamara Brooks		11/15/17	1100	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>[Signature]</i> Tamara Brooks		11/15/17	1100	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	0854	AEL	7.7	7.7	°F								
						Time:	Temp.:	17.9	L	17.9	17.9	°C								
						Reading:	DO:													
						Units:	Debris:													
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1										