

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
3/1/2019	3/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.216377	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.041688	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	6.2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4.3	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	16	colonies/100ml		
pH	6.0 - 9.0	8	s.u.		
Total Phosphorus (TP)	REPORT	8.51	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	4/5/2019
TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)				

March 2019 WATERFORD ESTATES LOADING RATES 41,688 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,460
Zone 1B	3,293
Zone 2A	3,293
Zone 2B	3,127
Zone 3A	3,293
Zone 3B	3,293
Zone 4A	3,293
Zone 4B	3,293
Zone 5A	3,648
Zone 5B	3,819
Zone 6A	3,648
Zone 6B	4,169

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: 1903020159
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 03/27/19

Sample Date : 03/20/19
Sample Time : 0945
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: JEW
Delivery By : JEW
Work Order :
Purchase Order :

Laboratory Analysis

Quality Assurance

Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
03/20	0945	JEW	pH	8.0	S.U.		SM 2000 4500-H+ B	0.00	N/A *
03/21	1345	TSB	Phosphorous, Total (as P)	8.510	mg/L		EPA 365.3	1.50	110.0 *
03/25	1500	TSB	Solids, Total Suspended	4.3	mg/L		SM 2011 2540 D	2.83	N/A *
03/20	1730	TSB	Fecal Coliform (MPN/100mL)	16.4	/100ml		06/2012 Colilert18	0.00	0.0 *
03/20	1400	AKA	BOD, Carbonaceous	6.2	mg/L		SM 2001 5210 B	2.77	102.4 *

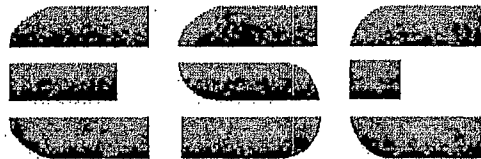
* QA data shown is from a different sample or standard on the same date.

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

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.IF)	CBOD(70), TSS(28)	Phos(25)						
Address: 1695 Electric Avenue						Purchase Order #:														
Springdale AR 72764						Sampler Name(s): <i>James W. Hse</i>														
Telephone: (479)751-8868						and Signature(s):														
FAX: (479)757-7650																				
ESC Client Number: 1886																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Dose Tank/Effluent	1903020159	3-20-19	0945	Grab	Water	Teflon	150 ml	none	1	x										
Waterford Estates				Grab	Water	whirlpak	300 ml	none/ice	1		x									
				Grab	Water	Plastic	1/2 gal	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>James W. Hse</i>		3-20-19	1230	<i>James W. Hse</i>				Used? <input 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 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>James W. Hse</i>		3-20-19	1230	Yes <input type="checkbox"/> No <input type="checkbox"/>												
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	0945	<i>YSL</i>	8.0	8.0									
						Time:	Temp.:	0945	<i>YSL</i>	11.8	11.8	°C °F								
						Reading:	DO:													
						Units:	Debris:													
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page <u> </u> of <u> </u>										