

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

11/1/2018

MM/DD/YYYY

11/30/2018

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.901471	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.0037248	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	8	s.u.		
Total Phosphorus (TP)	REPORT	7.16	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.

Kathy Bartlett

TYPED OR PRINTED



SIGNATURE OF PRINCIPAL

EXECUTIVE OFFICER OR

AUTHORIZED AGENT

TELEPHONE

(479) 530-5926

DATE

12/6/2018

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Nov 2018 WATERFORD ESTATES LOADING RATES 37,248 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,092
Zone 1B	2,943
Zone 2A	2,943
Zone 2B	2,794
Zone 3A	2,943
Zone 3B	2,943
Zone 4A	2,943
Zone 4B	2,943
Zone 5A	3,259
Zone 5B	3,412
Zone 6A	3,259
Zone 6B	3725

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: 1811020195
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 11/28/18

Sample Date : 11/21/18
Sample Time : 0819
Sample Type : GRAB WATERFORD
Sample From : EFFLUENT DOSE TANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis

Analysis

Date	Time	By	Parameter	Result	Notes	Quantity	Method
11/21	0820	NTR	pH	8.0	S.U.		SM 2000 4500-H+ B
11/28	0830	TSB	Phosphorous, Total (as P)	7.160	mg/L		EPA 365.3
11/27	1115	TSB	Solids, Total Suspended	4.0	mg/L		SM 1997 2540 D
11/21	1600	TSB	Fecal Coliform (MPN/100mL)	< 4.0	/100mL		06/2012 Colilert18
11/21	1400	TSB	BOD, Carbonaceous	< 2.0	mg/L		SM 2001 5210 B
11/21		ESC	Sample Collection/Travel	1	each		

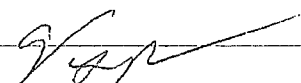
Quality Assurance

Precision	Accuracy
% RPD	% Recovery
0.00	N/A *
1.85	107.0 *
14.44	N/A *
0.00	0.0 *
9.66	96.0 *

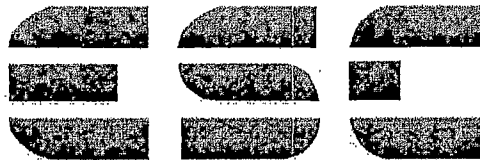
* QA data shown is from a different sample or standard on the same date.

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(43.1F)	CBOD(70), TSS(28)	Phos(25)						
Address: 1695 Electric Avenue						Purchase Order #:														
Springdale AR 72764						Sampler Name(s): Ned Ryerson														
Telephone: (479)751-8868						and Signature(s): Ned Ryerson														
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	1811020195	11-21-18	0819	Grab	Water	Teflon	150 ml	none	1	x										
Waterford Estates	1	1	1	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:												
								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:												
Ned Ryerson - Ned Ryerson		11-21-18	1150	Shirley Walker		11-21-18	1150	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Comments:						FLOW-DATA	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	0820	NRL	8.0	5.0	5.0								
						Time:	Temp.:	0820	NRL	12.5	12.4	12.4								
						Reading:	DO:													
						Units:	Debris:													
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1										