

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

10/1/2018

MM/DD/YYYY

10/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.004065	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.034642	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	2.7	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	7.79	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	34.4	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	32.9	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	19.5	mg/l		
Plant Available Nitrogen (PAN)	REPORT	52.8	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

Kenneth Abney

SIGNATURE OF PRINCIPAL

EXECUTIVE OFFICER OR

AUTHORIZED AGENT

TELEPHONE

(479) 530-5926

DATE

11/6/2018

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Oct 2018 WATERFORD ESTATES LOADING RATES 34,642 Max Day

Zone Identification	GPD/sq 2
Zone 1A	2,875
Zone 1B	2,737
Zone 2A	2,737
Zone 2B	2,598
Zone 3A	2,737
Zone 3B	2,737
Zone 4A	2,737
Zone 4B	2,737
Zone 5A	3,031
Zone 5B	3,173
Zone 6A	3,031
Zone 6B	3,464

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: 1810020148

Customer Name : WATERFORD UTILITY, LLC

Customer/Permit No. : 1886 / 4815-WR-4

Report Date : 10/24/18

Sample Date : 10/17/18

Sample Time : 0830

Sample Type : GRAB

Sample From : DOSE TANK EFFLUENT

Collected By: JW

Delivery By : JW

Work Order :

Purchase Order :

Laboratory Analysis

Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
10/18	1200	TSB	Ammonia as N, (HACH 10205)	32.90 mg/L			SM 2011 4500-NH3 F	0.73
10/23	0800	TSB	Total Kjeldahl Nitrogen	34.4 mg/L			02/2014 HACH 10242	2.67
10/17	0836	JW	pH	7.5 S.U.			SM 2000 4500-H+ B	0.00
10/22	1400	TSB	Phosphorous, Total (as P)	7.790 mg/L			EPA 365.3	1.59
10/19	1100	TSB	Solids, Total Suspended	2.7 mg/L			SM 1997 2540 D	22.35
10/17	1638	VLP	Fecal Coliform	< 4.0 /100ml			06/2012 Colilert18	0.00
10/17	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	7.07
10/18	1010	TSB	Nitrate + Nitrite	19.5 mg/L			01/2013 HACH 10206	1.74
10/23	1515	TSB	Nitrogen, Plant Available	52.8 mg/L			SM 1997 4500-N	
10/17	0836	JW	Sample Collection/Travel	1 each				

Accuracy
% Recovery

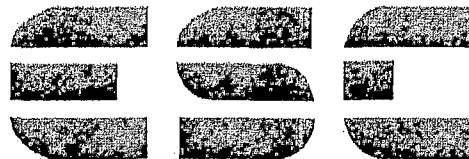
* QA data shown is from a different sample or standard on the same date.

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(25) NH3(15.A), Phos(25) TKN(16.A), N+N(91)						
Address: 1695 Electric Avenue						Purchase Order #:											
Springdale AR 72764																	
Telephone: (479)751-8868						Sampler Name(s): James Wilhse											
FAX: (479)757-7650						and Signature(s): <i>James Wilhse</i>											
ESC Client Number: 1886																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
Dose Tank/Effluent	181020148	10-18-18	0830	Grab	Water	Teflon	150 ml	none	1	X							
Waterford Estates		10-17-18	1600	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	X			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:									
		10-17-18	0830					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:									
James Wilhse		10-17-18	1040	James Rodimer		10-17-18	1040	Yes <input type="checkbox"/> No <input type="checkbox"/>									
Comments:						FLOW DATA		Field Test	Time	Analyst	Result	Result	Units				
						Analyst:		pH:	0836	Jo	7.5	7.5					
						Time:		Temp.:			17.6	17.6	°C				
						Reading:		DO:									
						Units:		Debris:									
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page ___ of ___							

ULINE**1-800-295-5510****ORDER SUMMARY**[email](#) [print](#)

Thank you for shopping with Uline. The following order was successfully submitted to Uline.
You will receive an email confirmation after this order has been processed.

Order Number: **19479469**
Customer: 9182450
Purchase Order:

Order Date: 11/6/2018
Will Ship: 11/7/2018
Ship Via: UPS GROUND

Billing Information

AQUA TECH SYSTEMS
189 RUTH ST
FARMINGTON, AR 72730-3009

Shipping Information

AQUA TECH SYSTEMS
189 RUTH ST
FARMINGTON, AR 72730-3009

Payment Method

American Express

Model #	Description	Unit Cost	Qty	Ext. Cost
S-22494	2019 National Parks Calendar	Free / EA	1	FREE
S-16767XX	Uline Black Industrial Nitrile Gloves - Powder-Free, 2XL	\$13.00/BX	6	\$78.00
S-16767L	Uline Black Industrial Nitrile Gloves - Powder-Free, Large 100/carton	\$13.00/BX	8	\$104.00
Subtotal=				\$182.00
Tax=				\$0.00
Shipping/Handling=				\$23.72
Total=				\$205.72

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