

**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

8/1/2019

MM/DD/YYYY

8/31/2019

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.967881	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.035808	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	3.3	mg/l		
Fecal Colliform Bacteria (FCB)	2,000	< 2	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	7.87	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

*K Bartlett*

SIGNATURE OF PRINCIPAL  
EXECUTIVE OFFICER OR  
AUTHORIZED AGENT

TELEPHONE

(479) 530-5926

DATE

9/10/2019

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Aug 2019 WATERFORD ESTATES LOADING RATES Max Day 35,808

Zone Identification	GPD/sq 2
Zone 1A	2,972
Zone 1B	2,829
Zone 2A	2,829
Zone 2B	2,686
Zone 3A	2,829
Zone 3B	2,829
Zone 4A	2,829
Zone 4B	2,829
Zone 5A	3,133
Zone 5B	3,280
Zone 6A	3,133
Zone 6B	3,581

## 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: 1908020119  
Customer Name : WATERFORD UTILITY, LLC  
Customer/Permit No. : 1886 / 4815-WR-4  
Report Date : 08/28/19

Sample Date : 08/21/19  
Sample Time : 0910  
Sample Type : GRAB WATERFORD EST.  
Sample From : EFFLUENT DOSE TANK

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
08/21	0910	JEW	pH	7.5	S.U.		SM 2011 4500-H+ B		
08/26	1545	TSB	Phosphorous, Total (as P)	7.870	mg/L		EPA 365.3	0.91	109.0 *
08/26	1330	TSB	Solids, Total Suspended	3.3	mg/L		SM 2011 2540 D	19.55	N/A *
08/21	1621	VLP	Fecal Coliform (MPN/100mL	< 2.0	/100mL		06/2012 Colilert18	0.00	0.0 *
08/21	1430	TSB	BOD, Carbonaceous	< 2.0	mg/L		SM 2001 5210 B	0.00	107.2 *

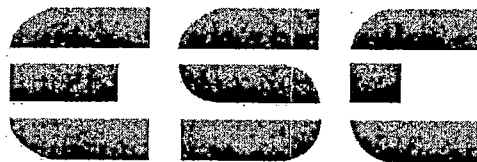
\* QA data shown is from a different sample or standard on the same date.

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](http://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																			
Telephone: (479)751-8868						Sampler Name(s): <i>James W. Hise</i>													
FAX: (479)757-7650						and Signature(s):													
ESC Client Number: 1886																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Dose Tank/Effluent	1908020119	8-21-19	0910	Grab	Water	Teflon	150 ml	none	1	X									
Waterford Estates				Grab	Water	whirlpak	100 ml	none/ice	1		X								
				Grab	Water	Plastic	1/2 gal	none/ice	1			X							
				Grab	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , 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. Hise</i>		8-21-19	1400					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>James W. Hise</i>		8-21-19	1400	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Comments:						FLOW DATA		Field Test	Time	Analyst	Result	Result	Units						
						Analyst:		pH:	0910	<i>YGLW</i>	7.5	7.5							
						Time:		Temp.:	0910	<i>YGLW</i>	28.3	28.4	°C °F						
						Reading:		DO:											
						Units:		Debris:											
Cool all samples to 6 degrees C.										Chlorinated? Yes No		This Document is Page <u>1</u> of <u>1</u>							

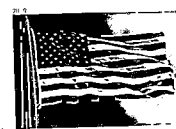
NWA Utility Services

PO BOX 9299

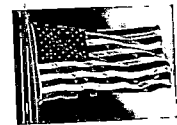
Fayetteville AR 72704



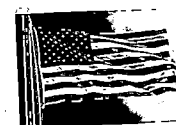
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ADEQ

Water Division / Permits  
Branch

5301 Northshore Blvd

N. Little Rock, AR

72118-5317

