

**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

4/1/2019

MM/DD/YYYY

4/30/2019

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.962774	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.036545	MGD	Daily	
Carbonaceous Blochemical Oxygen Demand (CBOD5)	15	5.7	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	46	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	8.4	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	69.6	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	64.4	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	0.44	mg/l		
Plant Available Nitrogen (PAN)	REPORT	66.4	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 Rogers*  
**SIGNATURE OF PRINCIPAL**  
**EXECUTIVE OFFICER OR**  
**AUTHORIZED AGENT**

TELEPHONE

(479) 530-5926

DATE

5/3/2019

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

April 2019 WATERFORD ESTATES LOADING RATES 36,545 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,033
Zone 1B	2,887
Zone 2A	2,887
Zone 2B	2,741
Zone 3A	2,887
Zone 3B	2,887
Zone 4A	2,887
Zone 4B	2,887
Zone 5A	3,198
Zone 5B	3,348
Zone 6A	3,198
Zone 6B	3,654

# 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: 1904020157	Sample Date : 04/17/19	Collected By: JEW
Customer Name : WATERFORD UTILITY, LLC	Sample Time : 0850	Delivery By : JEW
Customer/Permit No. : 1886 / 4815-WR-4	Sample Type : GRAB WATERFORD	Work Order :
Report Date : 04/25/19	Sample From : DOSE TANK EFFLUENT	Purchase Order :

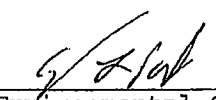
<u>Laboratory Analysis</u>						<u>Quality Assurance</u>	
<u>Analysis</u>						<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>
04/18	0845	TSB	Ammonia as N, (HACH 10205)	64.40 mg/L			SM 2011 4500-NH3 F
04/24	1010	AKA	Total Kjeldahl Nitrogen	69.6 mg/L			02/2014 HACH 10242
04/17	0850	JEW	pH	7.8 S.U.			SM 2000 4500-H+ B
04/18	1010	AKA	Phosphorous, Total (as P)	8.400 mg/L			EPA 365.3
04/18	1430	TSB	Solids, Total Suspended	4.0 mg/L			SM 2011 2540 D
04/17	1630	TSB	Fecal Coliform (MPN/100mL)	46.4 /100ml			06/2012 Colilert18
04/17	1400	TSB	BOD, Carbonaceous	5.7 mg/L			SM 2001 5210 B
04/18	1345	AKA	Nitrate + Nitrite	0.44 mg/L			01/2013 HACH 10206
04/24	1415	AKA	Nitrogen, Plant Available	66.4 mg/L			SM 1997 4500-N

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

Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY