

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
MONTHLY MONITORING REPORT**

PERMITTEE NAME

Waterford Estates at Hisson Ranch POA

FACILITY NAME (IF DIFFERENT)

Waterford Estates at Hisson Ranch POA

PERMIT NO.

4815-WR-4

PERMITTEE ADDRESS

3567 W New Hope Rd
Rogers, AR 72756

FACILITY ADDRESS

2323 Bowen Blvd
Fayetteville AR 72703

AFIN NO.

72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY

1/1/2019

MM/DD/YYYY

1/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.091349	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.043038	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	6.4	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	6.2	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.9	s.u.		
Total Phosphorus (TP)	REPORT	7.03	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	71	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	62	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	0.47	mg/l		
Plant Available Nitrogen (PAN)	REPORT	65.2	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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
			(479) 530-5926	2/6/2019
Kathy Bartlett TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>)				

Jan 2019 WATERFORD ESTATES LOADING RATES 43,038 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,572
Zone 1B	3,400
Zone 2A	3,400
Zone 2B	3,228
Zone 3A	3,400
Zone 3B	3,400
Zone 4A	3,400
Zone 4B	3,400
Zone 5A	3,766
Zone 5B	3,942
Zone 6A	3,766
Zone 6B	4,304

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: 1901020180

Customer Name : WATERFORD UTILITY, LLC

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

Report Date : 01/23/19

Sample Date : 01/16/19

Sample Time : 0925

Sample Type : GRAB WATERFORD

Sample From : EFFLUENT DOSE TANK

Collected By: JEW

Delivery By : JEW

Work Order :

Purchase Order :

Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
01/17	0930	TSB	Ammonia as N, (HACH 10205)	62.00 mg/L			SM 2011 4500-NH3 F	0.14	101.0 *
01/22	0900	TSB	Total Kjeldahl Nitrogen	71.0 mg/L			02/2014 HACH 10242	6.83	108.0 *
01/16	0930	JEW	pH	7.9 S.U.			SM 2000 4500-H+ B	0.00	N/A *
01/21	1100	TSB	Phosphorous, Total (as P)	7.030 mg/L			EPA 365.3	0.00	109.0 *
01/21	1600	AKA	Solids, Total Suspended	6.2 mg/L			SM 2011 2540 D	23.05	N/A *
01/16	1700	TSB	Fecal Coliform (MPN/100mL)	< 4.0 /100ml			06/2012 Colilert18	13.66	0.0 *
01/16	1400	TSB	BOD, Carbonaceous	6.4 mg/L			SM 2001 5210 B	4.75	109.9 *
01/22	1450	TSB	Nitrate + Nitrite	0.47 mg/L			01/2013 HACH 10206	0.00	96.0 *
01/22	1600	TSB	Nitrogen, Plant Available	65.2 mg/L			SM 1997 4500-N		
01/18	1000		Sample Collection/Travel	1 each					

* 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.

