

**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		MM/DD/YYYY
9/1/2018		9/30/2018

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.0614	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.036202	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2.5	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	< 2.5	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	1,414	colonies/100ml		
pH	6.0 - 9.0	7.3	s.u.		
Total Phosphorus (TP)	REPORT	7.51	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.	 <b>SIGNATURE OF PRINCIPAL</b> <b>EXECUTIVE OFFICER OR</b> <b>AUTHORIZED AGENT</b>	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	10/4/2018
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Sept 2018 WATERFORD ESTATES LOADING RATES 36,202 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,005
Zone 1B	2,860
Zone 2A	2,860
Zone 2B	2,715
Zone 3A	2,860
Zone 3B	2,860
Zone 4A	2,860
Zone 4B	2,860
Zone 5A	3,168
Zone 5B	3,316
Zone 6A	3,168
Zone 6B	3,620

# 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: 1809020121  
Customer Name : WATERFORD UTILITY, LLC  
Customer/Permit No. : 1886 / 4815-WR-4  
Report Date : 09/24/18

Sample Date : 09/19/18  
Sample Time : 0843  
Sample Type : GRAB WATERFORD  
Sample From : DOSE TANK EFFLUENT

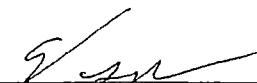
Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
09/19	0845	NTR	pH	7.3	S.U.			
09/20	1330	TSB	Phosphorous, Total (as P)	7.510	mg/L		2.67	106.0 *
09/21	1100	TSB	Solids, Total Suspended	< 2.5	mg/L		14.40	N/A *
09/19	1542	VLP	Fecal Coliform	1413.6	/100ml		0.00	0.0 *
09/19	1400	TSB	BOD, Carbonaceous	< 2.5	mg/L		0.62	100.0 *
09/19	0843	NTR	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.

Carlsbad, New Mexico  
575-887-1ESC

Phone: 479-750-1170      Fax: 479-750-1172

## CHAIN OF CUSTODY

34