

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
7/1/2018		7/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.915621	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.044632	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2.3	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4.3	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	31	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	8.2	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	46.4	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	41.9	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	6.4	mg/l		
Plant Available Nitrogen (PAN)	REPORT	49.7	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	8/6/2018
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

JULY 2018 WATERFORD ESTATES LOADING RATES 44,632 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,704
Zone 1B	3526
Zone 2A	3526
Zone 2B	3,347
Zone 3A	3526
Zone 3B	3526
Zone 4A	3526
Zone 4B	3526
Zone 5A	3,905
Zone 5B	4,088
Zone 6A	3,905
Zone 6B	4,463

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: 1807020173
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 07/25/18

Sample Date : 07/19/18
Sample Time : 0654
Sample Type : GRAB WATERFORD
Sample From : EFFLUENT DOSE TANK

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	
07/20	1030	TSB	Ammonia Nitrogen	41.9 mg/L			SM 1997 4500-NH3 F	0.00	98.8 *
07/24	0830	TSB	Total Kjeldahl Nitrogen	46.4 mg/L			02/2014 HACH 10242	2.94	101.6 *
07/19	0656	NTR	pH	7.8 S.U.			SM 2000 4500-H+ B	0.00	N/A
07/20	1400	TSB	Phosphorous, Total (as P)	8.2 mg/L			EPA 365.3	0.69	99.6 *
07/24	1300	TSB	Solids, Total Suspended	4.3 mg/L			SM 1997 2540 D	6.57	N/A *
07/19	1320	VLP	Fecal Coliform	31.0 /100ml			06/2012 Colilert18	0.00	0.0 *
07/20	1400	TSB	BOD, Carbonaceous	< 2.3 mg/L			SM 2001 5210 B	0.00	96.0 *
07/24	1350	TSB	Nitrate + Nitrite	6.4 mg/L			01/2013 HACH 10206	0.00	94.2 *
07/24	1550	TSB	Nitrogen, Plant Available	49.7 mg/L			SM 1997 4500-N		
07/19	0654	NTR	Sample Collection/Travel	1 each				0.00	0.0 *

* 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.

Figure 1 displays a 3x3 grid of grayscale images showing the evolution of a pattern. The top row shows a semi-circular pattern on a black background. The middle row shows a rectangular pattern. The bottom row shows a semi-circular pattern. The patterns are labeled with numbers 1 through 9 in the bottom right corner of each image.

Carlsbad, New Mexico
575-887-1ESC

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