

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

10/1/2019

MM/DD/YYYY

10/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.106132	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.045639	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	< 2.5	mg/l		
Fecal Colliform Bacteria (FCB)	2,000	< 1.0	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	6.22	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	37	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	26.2	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	8.18	mg/l		
Plant Available Nitrogen (PAN)	REPORT	37.6	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	11/14/2019
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

067
2019 WATERFORD ESTATES LOADING RATES

Daily Max

45639

Zone Identification

GPD/sq 2

Zone 1A

3,789

Zone 1B

3,610

Zone 2A

3,610

Zone 2B

3,437

Zone 3A

3,610

Zone 3B

3,610

Zone 4A

3,610

Zone 4B

3,610

Zone 5A

3,993

Zone 5B

4,190

Zone 6A

3,995

Zone 6B

4,575

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: 1910020119
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 10/23/19

Sample Date : 10/16/19
Sample Time : 0926
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

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

Laboratory Analysis

Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
								% Recovery
10/17	1500	TSB	Ammonia as N, (HACH 10205)	26.20 mg/L			SM 2011 4500-NH3 F	0.38
10/17	0930	TSB	Total Kjeldahl Nitrogen	37.0 mg/L			02/2014 HACH 10242	2.35
10/16	0928	NTR	pH	7.7 S.U.			SM 2011 4500-H+ B	0.00
10/17	1000	TSB	Phosphorous, Total (as P)	6.22 mg/L			EPA 365.3	0.00
10/18	1500	TSB	Solids, Total Suspended	< 2.5 mg/L			SM 2011 2540 D	23.48
10/16	1639	TSB	Fecal Coliform (MPN/100mL)	< 1.0 /100ml			06/2012 Colilert18	0.00
10/16	1600	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.00
10/21	1300	TSB	Nitrate + Nitrite	8.18 mg/L			01/2013 HACH 10206	1.82
10/22	1500	TSB	Nitrogen, Plant Available	37.6 mg/L			SM 1997 4500-N	

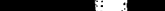
* QA data shown is from a different sample or standard on the same date.

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.

1, 106, 132
45, 639

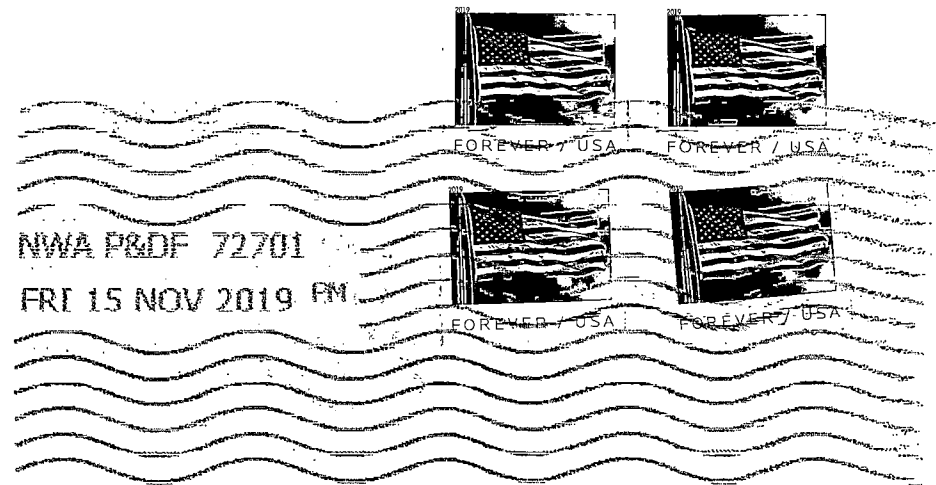
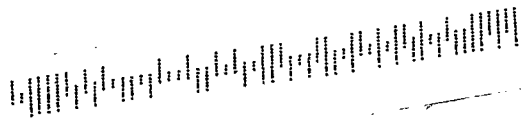


Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

NWA Utility Service
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Fayetteville, AR

72703



ADEG
Water Division Permits Branch
5301 Northshore Dr
North Little Rock, AR

72118-5317