

**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

**PERMITTEE ADDRESS**

3567 W New Hope Rd  
Rogers, AR 72756

**FACILITY NAME (IF DIFFERENT)**

Waterford Estates at Hisson 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

11/1/2019

MM/DD/YYYY

11/30/2019

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.151948	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.043644	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	10.4	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 10.0	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	6.32	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT		mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT		mg/l		
Plant Available Nitrogen (PAN)	REPORT		mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Kathy Bartlett

TYPED OR PRINTED

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*

**SIGNATURE OF PRINCIPAL  
EXECUTIVE OFFICER OR  
AUTHORIZED AGENT**

TELEPHONE

(479) 530-5926

DATE

12/16/2019

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Finding additional leaks caused by the original intaller having attached the drip line with the wrong fitting and duct tape. Making repairs on lines as necessary when discovered

November 2019 WATERFORD ESTATES LOADING RATES

Daily Max

43644

Zone Identification

GPD/sq 2

Zone 1A

3,622

Zone 1B

3,477

Zone 2A

3,477

Zone 2B

3,273

Zone 3A

3,477

Zone 3B

3,477

Zone 4A

3,477

Zone 4B

3,477

Zone 5A

3,819

Zone 5B

3,997

Zone 6A

3,819

Zone 6B

4,285

# 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: 1911020122  
Customer Name : WATERFORD UTILITY, LLC  
Customer/Permit No. : 1886 / 4815-WR-4  
Report Date : 12/02/19

Sample Date : 11/20/19  
Sample Time : 0930  
Sample Type : GRAB WATERFORD  
Sample From : EFFLUENT DOSE TANK

Collected By: TWM  
Delivery By : TWM  
Work Order :  
Purchase Order :

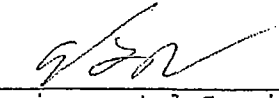
## Laboratory Analysis

Analysis								Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
11/20	0930	TWM	pH	7.8 S.U.			SM 2011 4500-H+ B	0.00	N/A *
11/22	1445	TSB	Phosphorous, Total (as P)	6.32 mg/L			EPA 365.3	0.58	108.0 *
11/25	1430	TSB	Solids, Total Suspended	10.4 mg/L			SM 2011 2540 D	10.17	N/A *
11/20	1714	TSB	Fecal Coliform (MPN/100mL)	< 10.0 /100ml			06/2012 Colilert18	0.00	0.0 *
11/20	1600	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	2.76	96.3 *

\* 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.

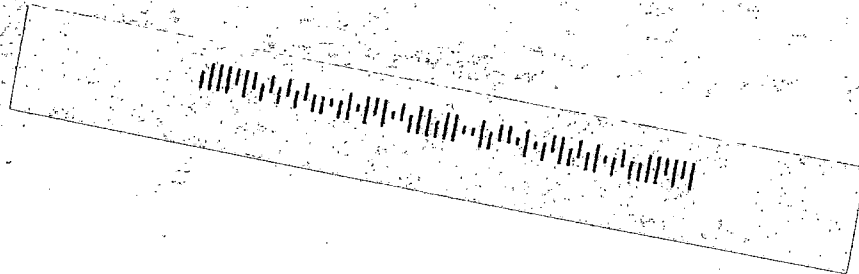
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43644

Carlsbad, New Mexico  
575-887-1ESC

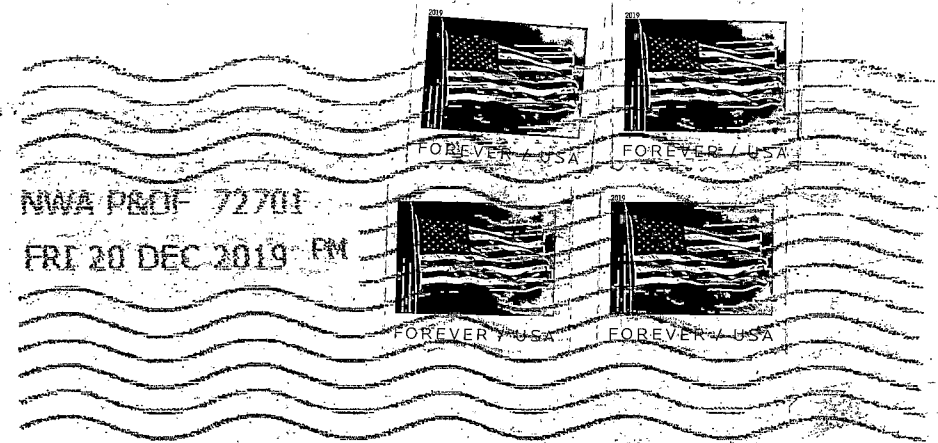
## CHAIN OF CUSTODY

NWA UTILITY SERVICES, INC

PO Box 9299  
Fayetteville, AR  
72703



NWA PSOI 72701  
FRI 20 DEC 2019 PM



ADEQ  
Water Division  
Permits Branch  
5301 Northshore Dr  
North Little Rock, AR  
72118