

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
12/1/2019		12/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.748095	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.035981	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	4.2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	5.8	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	10	colonies/100ml		
pH	6.0 - 9.0	6.9	s.u.		
Total Phosphorus (TP)	REPORT	6.9	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l		
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	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	1/13/2020
TYPED OR PRINTED				MM/DD/YYYY

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

Repaired multiple dripline connections where original installers used improper fittings

DECEMBER 2019 WATERFORD ESTATES LOADING RATES

Daily Max

35,981

Zone Identification

GPD/sq 2

Zone 1A

2,986

Zone 1B

2,842

Zone 2A

2,842

Zone 2B

2,699

Zone 3A

2,842

Zone 3B

2,842

Zone 4A

2,842

Zone 4B

2,842

Zone 5A

3,148

Zone 5B

3,296

Zone 6A

3,148

Zone 6B

3,652

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: 1912020089
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 12/30/19

Composite Date:12/18/19 -12/18/19
Sample Time : 10:30
Sample Type : GRAB
Sample From : DOSE TANK/EFFLUENT

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


Laboratory Analysis

Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
								% Recovery
12/18	1040	TWM	pH	6.9 S.U.			SM 2011 4500-H+ B	1.44
12/27	1400	TWM	Phosphorous, Total (as P)	6.90 mg/L			EPA 365.3	0.90
12/19	1300	TWM	Solids, Total Suspended	5.8 mg/L			SM 2011 2540 D	0.00
12/18	1645	TSB	Fecal Coliform (MPN/100mL	10.0 /100ml			06/2012 Colilert18	0.00
12/18	1500	TWM	BOD, Carbonaceous	4.2 mg/L			SM 2001 5210 B	1.24

* 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.

748095
36981

Carlsbad, New Mexico
575-887-1ESC

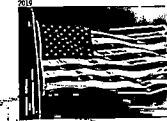
CHAIN OF CUSTODY

NWA UTILITY SERVICES, INC

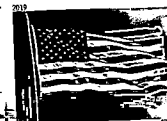
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Fayetteville, AR
72703

NWA PG&F 72701

THU 16 JAN 2020 PM



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ADEQ
Water Division / Permits
Branch
5301 Northshore Dr
N. Little Rock, AR

72118