

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

12/1/2018

MM/DD/YYYY

12/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.143181	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.040728	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	2>	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	< 3.3	mg/l		
Fecal Colliform Bacteria (FCB)	2,000	2	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	7.23	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.

Kathy Bartlett

TYPED OR PRINTED

Kenneth Leary
SIGNATURE OF PRINCIPAL

**EXECUTIVE OFFICER OR
AUTHORIZED AGENT**

TELEPHONE

(479) 530-5926

DATE

1/3/2019

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Dec 2018 WATERFORD ESTATES LOADING RATES 40,728 Gal. Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,380
Zone 1B	3,218
Zone 2A	3,218
Zone 2B	3,055
Zone 3A	3,218
Zone 3B	3,218
Zone 4A	3,218
Zone 4B	3,218
Zone 5A	3,564
Zone 5B	3,731
Zone 6A	3,564
Zone 6B	4,073

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: 1812020201
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 12/27/18

Sample Date : 12/19/18
Sample Time : 0907
Sample Type : GRAB
Sample From : EFFLUENT

Collected By: VLP
Delivery By : VLP
Work Order :
Purchase Order :

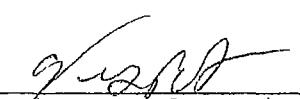
Laboratory Analysis

Analysis							<u>Quality Assurance</u>	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
12/19	0910	VLP	pH	7.8 S.U.			SM 2000 4500-H+ B	0.88
12/26	1030	TSB	Phosphorous, Total (as P)	7.230 mg/L			EPA 365.3	0.72
12/21	1330	TSB	Solids, Total Suspended	< 3.3 mg/L			SM 2011 2540 D	12.66
12/19	1630	TSB	Fecal Coliform (MPN/100mL)	2.0 /100mL			06/2012 Colilert18	0.00
12/19	1400	TSB	BOD, Carbonaceous	> 2.0 mg/L			SM 2001 5210 B	6.54
12/12		BSC	Sample Collection/Travel	1 each				
								% Recovery
								N/A *
								108.0 *
								N/A *
								0.0 *
								99.0 *

* 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

CHAIN OF CUSTODY

P.O.
Fayetteville

BC: 72118532801 DU2326N009194-00470
UNABLE TO FORWARD/FOR REVIEW
731 7E N C0001/09/19
R015

ADEQ Water Division
Permits Branch
5301 Northshore Dr
N Little Rock, AR 72118-5317

