ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION MONTHLY MONITORING REPORT

PERMITTEE NAME		FACILITY NAME (IF DIFFERENT)				İ	PERMIT NO.	
Waterford Estates at Hisson Ra	nch POA	w	aterford Estates at Hissor	m Ranch POA		l	4815-WR-4	
PERMITTEE ADDRESS 3567 W New Hope Rd Rogers, AR 72756		FACILITY ADDRESS 2323 Bowen Blvd Fayetteville AR 72703					AFIN NO. 72-00974	
		WASTEWATER EFFLUENT MONITORING PERIOD						
		MM/DD/YYYY 12/1/2019		ALL OTTING / MILE	MM/DD/YYYY 12/31/2019			
TREATED WASTEWATER EFFLUE	NT SAMPLING							
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Re	eporting	
Flow, Monthly total		REPORT	0.748095	MG	Total Flow per calendar month			
Flow, daily maximun		REPORT	0.035981	MGD	Daily			
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	4.2	mg/l				
Total Suspended Solids (TSS)		15 _	5.8	mg/l	Grab Sample once per month			
Fecal Coliform Bacteria (FCB)		2,000	10	colonies/100ml				
рН		6.0 - 9.0	6.9	s.u.		Prior to	the 15th of the	
Total Phosphorus (TP)		REPORT	6.9	mg/l		following Month		
Total Kjeldahl Nitrogen (TKN)		REPORT		mg/l				
Ammonia Nitrogen (NH3-N)		REPORT		mg/l	Crab comula anno nos quartos			
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)		REPORT		mg/l	Grab sample once per quarter			
Plant Available Nitrogen (PAN)		REPORT		mg/l				
Loading Rate		REPORT	See Attached	gpd/ft 2	Daily			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONALLY	EXAMINED AND AM WITH TH	E INFORMATION	V 22 () 1) }	TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE IN	DIVIDUALS IMMEDIATELY RE	SPONSIBLE FOR	K Prantiet	4		
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTED	INFORMATION IS TRUE, A	CCURATE, AND	SIGNATURE OF PRINCIPAL			1/13/2020
Kathy Bartlett	COMPLETE. I AM AWA	ARE THAT THERE ARE SIGNIFICANT PENAL	TIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR		5926	
TYPED OR PRINTED	INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.				AUTHORIZED AGENT			MM/DD/YYYY
COMMENTS AND EXPLANATION O								
Repaired multiple dripline connec	tions where origin	nal installers used improper fittin	gs					

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 :

<u>Quality Assurance</u>

Analysis	Quality Assurance				
•			_	Precision	Accuracy
Date Time By	Parameter	Result Notes Quantity	Method	% RPD	% Recovery
•		6.9 S.U.	SM 2011 4500-H+ B	1.44	N/A *
12/27 1400 TWM	Phosphorous, Total (as P)	6.90 mg/L	EPA 365.3	0.90	111.0 *
12/19 1300 TWM.	Solids, Total Suspended	··· J /,—			
12/10 1645 000	Forni dell'in transcription	5.8 mg/L	SM 2011 2540 D	0.00	N/A *
	Fecal Coliform (MPN/100mL	10.0 /100ml	06/2012 Colilert18	0.00	0.0 *
12/18 1500 TWM	BOD, Carbonaceous	4.2 mg/L	SM 2001 5210 B	1.24	109.0 *

* 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.

748095

Environmental Services Company, Inc. Northwest Arkansas 1107 Century Street Springdale, Arkansas 72762

website: www.esclabs.com



Corporate Office, Little Rock, Arkansas 501-221-2565

> Carlsbad, New Mexico 575-887-1ESC

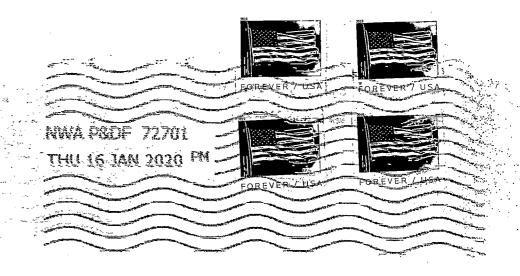
CHAIN OF CUSTODY

Company Name: Waterford Estates Permit/Project #: Address: 1695 Electric Avenue Purchase Order #: Springdale AR 72764	Pecal Coliform (43.IF) pH (23)
Address: 1695 Electric Avenue Purchase Order #: Springdale AR 72764	oliform (43.IF)
Springdale AR 72764	oliform (43.1F)
· · · · · · · · · · · · · · · · · · ·	oliform (43.IF)
· · · · · · · · · · · · · · · · · · ·	oliform (43.IF)
FAX: (479)757-7650	oliform (43.
170. (419)101-1000) milorm (
and Signatura/a).	olifor
and Signature(s): ESC Client Number: 1886	
Comple Identification	ଜାଦା
ESC Client Number: 1886 Sample Identification Sample Collection Sample Collection Sample Volume Freservative # 00 00 00 00 00 00 00 00 00 00 00 00 0	Pecal C
	표 후
Dose Tank/Effluent 1912020089 12/16/19 14 10 Grab Water Plastic 1/2 gal None, Cool 1 X	
Waterford Estates 1912020089 Grab Water Plastic 250 mL H2SO4, pH < 2 1 X	
1912020089 Grab Water Sterile 100 mL Na ₂ S ₂ O ₃ , Cool 1	X
1912020089	X
Relinquished By: (Signature and Printed Name) Date Time Received By: (Signature and Printed Name) Date Time Custody Seals	als:
Used? Relinquished By: (Signature and Printed Name) Date Time Received By: (Signature and Printed Name) Date Time Turnaround:	N Intact?
Regular D	X Special
Relinquished By: (Signature and Printed Name) Date Time Received for Lab By: (Signature and Printed Name) Date Time Received for Lab By: (Signature and Printed Name) Date Time Vere samples Yes	les properly preserved:
Comments: 2/18/19 1445 Mm Comments 2.18 1445 Mm Comments 2.18 1446 Yes 15 1446 Yes 16 1466 Yes 16 16 16 16 16 16 16 1	No No Result Units
	79
Time: Temp.:	/Y.2 (°C) °F
Reading: DO: Units: Debris:	
	ument is Page 1 of

Antitethtentheitheitheitheithig

NWA UTILITY SERVICES, INC

PO Box 9299 Fayetteville, AR 72703



ADEQ Water DIVISION / Permits Branch 5301 Northshore Dr N. LIttle Rock, AR 72118