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

PERMITTEE NAME	FERENT)		PERMIT NO. 4815-WR-4				
Waterford Estates at Hisson Ran	ch POA	\V	Vaterford Estates at Hissor	n Ranch POA		4010 1011	
PERMITTEE ADDRESS				AFIN NO.			
3567 W New Hope Rd			2323 Bowen Bly Fayetteville AR 72			72-00974	
Rogers, AR 72756							
		WAST	EWATER EFFLUENT MO	NITORING PERI	OD		
		MM/DD/YYYY			MM/DD/YYYY		
		12/1/2018		12/31/2018			
TREATED WASTEWATER EFFLUEN	TSAMPLING						
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting	
Flow, Monthly total		REPORT	1.143181	MG	Total Flow per calendar month		
Flow, daily maximun		REPORT	0.040728	MGD	Daily		
Carbonaceous Biochemical Oxygen Der	mand (CBOD5)	15	2>	mg/l			
Total Suspended Solids (TSS)		15	< 3.3	mg/l			
Fecal Coliform Bacteria (FCB)		2,000	2	colonies/100ml	Grab Sample once per month		
рН		6.0 - 9.0	7.8	s.u.		Prior to the 15th of the	
Total Phosphorus (TP)		REPORT	7.23	mg/l		following Month	
Total Kjeldahl Nitrogen (TKN)		REPORT	No Report	mg/l	_		
Ammonia Nitrogen (NH3-N)		REPORT	No Report	mg/l	Grab sample once per quarter		
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	TELEDITONE	DATE
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UN		NALTY OF LAW THAT I HAVE PERSONAL	LY EXAMINED AND AM WITH T	HE INFORMATION	2, 8. 21	TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE	INDIVIDUALS IMMEDIATELY R	Kenneth Les	- Cond	1/3/2019	
!	OBTAINING THE INF	FORMATION, I BELIEVE THE SUBMITTE	ED INFORMATION IS TRUE,	ACCURATE, AND	SIGNATURE OF PRINCIPA	(479) 530-	17372019
Kathy Bartlett	COMPLETE. I AM AW	ARE THAT THERE ARE SIGNIFICANT PEN	IALTIES FOR SUBMITTING FAL	SE INFORMATION,	EXECUTIVE OFFICER OR	5926	MM/DD/YYYY
TYPED OR PRINTED		AUTHORIZED AGENT					
COMMENTS AND EXPLANATION O	F VIOLATIONS (R	eference 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					

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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

Collected By: VLP

Delivery By : VLP

Sample Date : 12/19/18 Control Number: 1812020201 Sample Time: 0907 Customer Name : WATERFORD UTILITY, LLC Customer/Permit No.: 1886 / 4815-WR-4 Sample Type : GRAB Report Date : 12/27/18

Work Order : Sample From : EFFLUENT Purchase Order :

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

* OA 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.

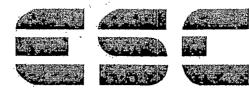
Signature

Environmental Services Co., Inc.

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

website: www.esclabs.com

Phone: 479-750-1170 Fax: 479-750-1172



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

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Filone, 479-750-		Pax. 479-750-1172)						- F3 -		- A 1	D	1	
Client Information					Project Information					_	ке	ques	stea	Paran	eters	<u>; </u>	
Company Nam	me: Waterford Estates			Permit/Project #:					_			}					
Address: 1695 Electric Avenue		Purchase Order #:						_						i			
Springdale AR 72764					,	\circ			1						ł		
Telephone:			Sampler Name(s):		L. PAtc					8				ł			
FAX:		(479)757-7650			9/2		y.V-			1	<u> </u>	TSS(28)				1	
_					and Signa	iture(s):					7	15					l
ESC Client Nur	nber:	1886			1	` ,						E	10	6			i
Sam	ple Ider	tification]	Sample	Collection		Sample Containers			$\exists \widetilde{\varepsilon}$	Coliform(43.IF)	Įģ.	s(2)				
Identificat	ion	ESC Control #	Date	Time	Туре	Matrix	+	Volume	Preserv	ative	# H(23)		CBOD(70),	Phos(25)			į
Dose Tank/E	Effluent	18/2020 201	12-19-19	0907	Grab	Water	Teflon	150 ml	none		1)						Γ
Waterford E	states		1		Grab	Water	whirlpak	300 mi	none/ice		1	x				1	Γ
					Grab	Water	Plastic	1/2 gal	none/ice		1		x				_
					Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1		1	x			
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Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name) Date Time			Cu	stody S	eals:			<u> </u>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name) Date			Time		ed? naroun			Intact?					
			\					,			gular		1	Special			
Rellinguished By: (Signature and Printed Name)		Date /1-19-/1	185/(Received to Lab By: (Bignature and Printed Nan		10)	12.19.16 (DS)		We	Were samples prope		operly	y preserved: No				
Comments:		EWI TOWNER	FLOW D	ATA ATA	Field Test	Time	Analyst	Re	sult	Resi	ult	Uni	ts				
		Analyst: Time:			pH:	0910	2/2/		7-87	7.		8.4					
	·					Reading:		Temp.: DO:		1 - 1 -	++	7:4	14	6	°C	<u> </u>	
								Debris:									_
Cool all samples to 6 degrees C.							Chlorinated	? Yes N	lo	Th	is Do	cume	nt is	Page _	_of		

G:WF JOCIFORMSICHAIN.XLS

P.O Fayetteville

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

