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

PERMITTEE NAME		FACILITY NAME (IF DIFFERENT) PERMIT N							
Waterford Estates at Hisson Ranch POA		Wa		4815-WR-4					
		<u></u>	Г	AEINI NO					
PERMITTEE ADDRESS			2323 Bowen Bl		-	72-00974			
3567 W New Hope Rd			L	12-00314					
Rogers, AR 72756	ı								
			WATER EFFLUENT MO	NITORING PERI		İ			
		MM/DD/YYYY			MM/DD/YYYY 4/30/2019	ł			
		4/1/2019		4/30/2019	<u> </u>				
TREATED WASTEWATER EFFLUEN	NT SAMPLING				6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Re	eporting		
Flow, Monthly total	···	REPORT	REPORT 0.962774 MG		Total Flow per calendar month				
Flow, daily maximun		REPORT	0.036545	MGD	Daily				
Carbonaceous Blochemical Oxygen Demand (CBOD5)		15	5.7	mg/l		-			
Total Suspended Solids (TSS)		15	4	mg/l					
Fecal Coliform Bacteria (FCB)		2,000	46	colonies/100ml	Grab Sample once per month				
рН		6.0 - 9.0	7.8	s.u,			the 15th of the		
Total Phosphorus (TP)		REPORT	8.4	mg/l		TOIIO	wing Month		
Total Kjeldahl Nitrogen (TKN)		REPORT	69.6	mg/l					
Ammonia Nitrogen (NH3-N)		REPORT	64.4	mg/l	Grab sample once per quarter				
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)		REPORT	0.44	mg/l		ļ			
Plant Available Nitrogen (PAN)		REPORT	66.4	mg/l		<u> </u>			
Loading Rate	-		See Attached	gpd/ft 2	Daily	<u> </u>	T TELEPITONE	DATE	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		NALTY OF LAW THAT I HAVE PERSONALLY	à 2 2 A	l	TELEPHONE	DATE			
·	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE IN	SPONSIBLE FOR	Semet Joke	-				
	OBTAINING THE INF	FORMATION, I BELIEVE THE SUBMITTED	SIGNATURE OF SRINCIPA		(479) 530-	5/3/2019			
Kathy Bartlett		/ARE THAT THERE ARE SIGNIFICANT PENAL		EXECUTIVE OFFICER OF		5926			
TYPED OR PRINTED		AUTHORIZED AGENT							
COMMENTS AND EXPLANATION O	F VIOLATIONS (Re	eference all attachments here)							
		-5°							
		** ·							
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Zone Identification	GPD/sq 2
Zone 1A	3,033
Zone 1B	2,887
Zone 2A	2,887
Zone 2B	2,741
Zone 3A	2,887
Zone 3B	2,887
Zone 4A	2,887
Zone 4B	2,887
Zone 5A	3,198
Zone 5B	3,348
Zone 6A	3,198
Zone 6B	3,654

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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

Control Number: 1904020157

Customer Name: WATERFORD UTILITY, LLC Customer/Permit No.: 1886 / 4815-WR-4

Report Date : 04/25/19

Sample Date : 04/17/19

Sample Time : 0850

Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: JEW Delivery By : JEW

Work Order: Purchase Order:

	Quality Assurance					
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
	Ammonia as N, (HACH 10205)	64.40 mg/L		SM 2011 4500-NH3 F	1.98	96.0 *
04/24 1010 AKA	Total Kjeldahl Nitrogen	69.6 mg/L		02/2014 HACH 10242	5.19	96.4 *
04/17 0850 JEW	рĦ	7.8 S.U.		SM 2000 4500-H+ B	1.36	N/A *
		8.400 mg/L		EPA 365.3	0.91	108.0 *
	Solids, Total Suspended	4.0 mg/L		SM 2011 2540 D	2.71	N/A *
04/17 1630 TSB	Fecal Coliform (MPN/100mL	46.4 /100ml		06/2012 Colilert18	7.41	0.0 *
	BOD, Carbonaceous	5.7 mg/L		SM 2001 5210 B	0.23	107.4 *
	Nitrate + Nitrite	0.44 mg/L		01/2013 HACH 10206	0.57	97.8
04/24 1415 AKA	Nitrogen, Plant Available	66.4 mg/L	•	SM 1997 4500-N		

* 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.

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

website: www.esclabs.com

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

Carisbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Phone: 479-750-1170	Fax: 479-750-1172		Ch	HAIN C	or Cus	SIOL	JY											
Client Information				Project Information						Requested I				Para	ame	ters		
Company Name: Waterford Estates			Permit/Project #:								66							
Address:				Purchase (···					PAN(99.				- 1	
Springdale AR 72764												AN		(91		İ	Ì	
Telephone: (479)751-8868			Sampler Name(s): James Wilt James Willse									8,	25)	Ş		İ		
FAX:	(479)757-7650											Ē.	TSS(28),	Phos(25)	T.			
				and Signature(s):								(43			Ŋ,			
ESC Client Number:	1886			, , , , , , , , , , , , , , , , , , ,								orm	0/	(Y)	9.9			
Sample	Identification		Sample Collection			Sample Containers				pH(23)	F. Coliform(43.IF)	CBOD(70),	NH3(15.A),	s-TKN(16.C),NO ₃ +NO ₂ (91)	}			
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preserva	tive	#)Hd	<u>н</u>	CB	포	Y-S			
Dose Tank/Efflue	nt 19040Z0157	4-17-18	0850	Grab	Water	Teflon	150 ml	none		1	x							
Waterford Estate				Grab	Water	whirlpak	300 ml	none/ice		1		х						
				Grab	Water	Plastic	1/2 gal	none/ice		1			х					
				Grab	Water	Plastic	8 oz	H ₂ SO ₄ ,pH	<2	1				х	х			
•																		
					-													
0										,								
Religiogished By: (Signature and Printed Name) Date John Little 4-17/9 13		13 <i>D</i>	Received By: (Signature and Printed Name) Date Time					е	Custody Seals: Used? Intact?									
Relinquished By: (Signature and Printed Name)		Date	emiT	Received By: (Signature and Printed Name)			Date	1		Turna Regu		around: Jar Special				— 1		
Relinquished By: (Signature and Printed Name)		Date	Time (Received for Leo By: (Signature and Printed Name)		171000	Date 2/17-18	Time 1319	θ			oles pr	s properly pr					
Comments:		700 10 00	FLOW D		Field Test	Time	Analys	st	Resi		Res			Units	3			
					Analyst:		pH: Temp.:		He	, ,	スク		7	8	7 7 (C) °F			
					Time: Reading:		DO:	0850 0	Office V		14.	8	12	. 7.				
					Units:		Debris:											
Cool all samples to 6 degrees C.							Chlorinated	? Yes No	0		This	s Doo	cume	ent is	Pag	e	of	