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

PERMITTEE NAME				PERIVITINO.					
Waterford Estates at Hisson Rar	nch POA	Wa	terford Estates at Hissor	n Ranch POA		Į	4815-WR-4		
PERMITTÉE ADDRESS 3567 W New Hope Rd				AFIN NO. 72-00974					
Rogers, AR 72756			Fayetteville AR 72	2703					
	WASTEWATER EFFLUENT MONITORING PERIOD								
		MM/DD/YYYY			MM/DD/YYYY				
		2/1/2018		2/28/2018					
TREATED WASTEWATER EFFLUEN	IT SAMPLING					<del></del>	<u> </u>		
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting			
Flow, Monthly total		REPORT	1.000923 MG		Total Flow per calendar month				
Flow, daily maximun		REPORT	0.046354	MGD	Daily				
Carbonaceous Biochemical Oxygen Der	mand (CBOD5)	15	20.8	mg/l					
Total Suspended Solids (TSS)		15	13	mg/l					
Fecal Coliform Bacteria (FCB)		2,000	370	colonies/100ml	Grab Sample once per month				
рН		6.0 - 9.0 7.7 s.u.					the 15th of the		
Total Phosphorus (TP)		REPORT	6.5	mg/l		TOHO	wing 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 ( NO <sub>3</sub> -N) + Nitrite Nitrogen ( NO <sub>2</sub> -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 PE	NALTY OF LAW THAT I HAVE PERSONALLY	EXAMINED AND AM WITH TH	E INFORMATION	4		TELEPHONE	DATE	
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE IN	Kenneth de go	·	-				
	OPTAINING THE INE	FORMATION, I BELIEVE THE SUBMITTED	INFORMATION IS TRUE.	ACCURATE, AND	SIGNATURE OF PRINCIPAL	(479) 530		3/9/2018	
Kathy Bartlett	i	ARE THAT THERE ARE SIGNIFICANT PENAL			EXECUTIVE OFFICER OR		5926		
TYPED OR PRINTED	INCLUDING THE POS	SIBILITY OF FINE AND IMPRISONMENT.		1	AUTHORIZED AGENT		MM/DD/YYYY		
COMMENTS AND EXPLANATION O	F VIOLATIONS (Re	eference all attachments here) We	feel the extream cold h	nas killed some	bactreia in the plant, and cou	ld have h	nad a slight tox	ic kill as well.	
We have drained the clarifier into We will be adding enzymes as per	the recirc tank an	d washed it down, have hauled 5,0	000 gallons of sludge f	rom recirc tank l	by septic hauler, and will have	e anothe	r 5,000 gallons	s hauled ASAP.	

Zone Identification	GPD/sq 2
Zone 1A	3,847
Zone 1B	3,662
Zone 2A	3,662
Zone 2B	3,477
Zone 3A	3,662
Zone 3B	3,662
Zone 4A	3,662
Zone 4B	3,662
Zone 5A	4,056
Zone 5B	4,246
Zone 6A	4,056
Zone 6B	4,635

## 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: 1802020187

Customer Name : WATERFORD UTILITY, LLC

Customer/Permit No. : 1886 / 4815-WR-4

Report Date : 02/28/18

Sample Date : 02/21/18

Sample Time: 0855

Sample Type : GRAB WATERFORD

Sample From : DOSE TANK EFFLUENT

Collected By: JCB
Delivery By : JCB
Work Order :

Purchase Order :

	Quality A	<u>Assurance</u>				
Analysis	·				Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	<u> Method</u>	% RPD	% Recovery
02/21 0855 JCB	рH	7.7 S.U.		SM 2000 4500-H+ B	0.00	N/A
02/27 1100 TSB	Phosphorous, Total (as P)	6.5 mg/L		EPA 365.3	0.00	100.6 *
02/27 1200 JCB	Solids, Total Suspended	13.0 mg/L		SM 1997 2540 D	12.43	N/A *
02/21 1350 AEU	Coliform, Fecal	370 /100ml		SM 9222 D 1997	2.67	N/A
02/21 1400 TSB	BOD, Carbonaceous	20.8  mg/L (b)		SM 2001 5210 B	0.00	100.0 *
02/21 0855 JCB	Sample Collection/Travel	1 each				

\* QA data shown is from a different sample or standard on the same date.

(b) Exceeds Permit Limits for Maximum Concentration

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

> Carlsbad, New Mexico 575-887-1ESC

## **CHAIN OF CUSTODY**

Phone: 479-750	0-1170	Fax: 479-750-1172		Ch	AIN (	of Cu	SIO	JΥ											
Client Information				Project Information						Requested				Par	ame	eters			
Company Name: Waterford Estates				Permit/Pro	Permit/Project #:														
Address: 1695 Electric Avenue		ue		Purchase	Order#:	·													
		Springdale AR 727	'64		1		, , , , , , , , , , , , , , , , , , , ,												
Telephone:		(479)751-8868			Sampler N	550h	John Band												
FAX:	<del></del>	(479)757-7650			and Signature(s):		Color Best			1		CBOD(70), TSS(28)							
	<del></del>	(110)101 1000					- Harring Contract						£						
ESC Client Nu	ımher:	1886		and or		Signature(s).		/				l	) E	6					
	mple Iden		<u> </u>	Commis	Callagtian	<del>1</del>					8	F. Coliform(43)	12	Phos(25)					
		· · · · · · · · · · · · · · · · · · ·			Collection	T			mple Containers			pH(23)	ပ္ပြ		hos				
Identifica		ESC Control #	Date /	Time	Туре	Matrix	Туре	Volume	Preservative		#		ш.	0	<u>a</u>				
Dose Tank/		1802020187	2/21/18	<i>855</i>	Grab	Water	Teflon	150 ml	none 1		1	×	ــــ	—	<u> </u>				
Waterford I	Estates				Grab	Water	whirlpak	300 ml	none/ice		1		X	ــــ	<u> </u>				
					Grab	Water	Plastic	1 qt	none/ice		1			X	<u> </u>				
					Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1	L		<u> </u>	<u>x</u>				
				·			<u> </u>							<u> </u>	<u> </u>				
							<u> </u>												
									1										
Relinduished By: (Signature and Printed Name)  One  One  One  One  One  One  One  O			Received By: (Signature and Printed Name) Date Time			ie .	l	ody Se	فحفدات	 1									
Fellinquished By (Signature and Printed Name)		ス/ベ////////// Date	TO	Received By: (Signature and Printed Name) Date Time			I <del>U</del>	Used	around	N	<u> </u>	Intac	t?						
·			Received for Labely: (Signature and Printed Name)  Pate Time  AND  Signature Time  AND  Signature Time  And  And  Signature Time  And  And  Signature Time  And  And  Signature Time  And  Signature T				Regu		X		Spec								
Relinquished By: (Signature and Printed Name)		Dale	Time	Received for Lab	By: (Signature and	Printed Name	Printed Name)		Time		Were sam Yes		oles properly			rved: No	_		
Comments:				FLOW DATA		Field Test	Time	Analys	st	Result					Units		_		
					Analyst:			pH:	855 508		图	77		7	7 7 (c) °F		op-		
					Time: Reading:		Temp.: DO:				41	<u>-t</u>	$q_{i}$	<del>/</del> _	7 (C) °1		Г		
						Units:		Debris:											
Cool all samples to 6 degrees C.								Chlorinated	? Yes N	0		This	Doc	ume	nt is	Parr	<u>, ]</u>	of <u>[</u>	