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

PERMITTEE NAME  Waterford Estates at Hisson Ranch POA	W N	FACILITY NAME (IF DIFFERENT)  Waterford Estates at Hissom Ranch POA									
PERMITTEE ADDRESS 3567 W New Hope Rd Rogers, AR 72756		FACILITY ADDRESS  2323 Bowen Blvd  Fayetteville AR 72703									
	MM/DD/YYYY 12/1/2017	MM/DD/YYYY MM/DD/YYYY									
TREATED WASTEWATER EFFLUENT SAMPLING				* * * * *							
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting						
Flow, Monthly total	REPORT	1.112911	MG	Total Flow per calendar month							
Flow, daily maximun	REPORT	0.042511	MGD	Daily							
Carbonaceous Blochemical Oxygen Demand (CBOD5)	15	2.9	mg/l								
Total Suspended Solids (TSS)	15 7.3 mg/l										
Fecal Coliform Bacteria (FCB)	2,000 100 colonies/100ml Grab Sample once per month										
рН	6.0 - 9.0 7.8 s.u.										
Total Phosphorus (TP)	REPORT	6.7	_ 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 ( NO <sub>3</sub> -N) + Nitrite Nitrogen ( NO <sub>2</sub> -N)	REPORT	No Report	Grab sample once per quarter								
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l								
Loading Rate	REPORT	REPORT See Attached gpd/ft 2		. Daily							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONALL	Y EXAMINED AND AM WITH TH	E INFORMATION		TELEPHONE	DATE					
OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTER	ASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR NAME OF PRINCE									
TYPED OF PRINTED	ARE THAT THERE ARE SIGNIFICANT PENA	ALTIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR AUTHORIZED AGENT	5926	MM/DD/YYYY					
COMMENTS AND EXPLANATION OF VIOLATIONS (Re	SIBILITY OF FINE AND IMPRISONMENT.  Deference all attachments here)			ACTIONIZED AGENT	1						

Dec 2017 WATERFORD ESTATES LOA	DING RATES 42,510 Max Day						
Zone Identification	GPD/sq 2						
Zone 1A	3,533						
Zone 1B	3,363						
Zone 2A	3,363						
Zone 2B	3,193						
Zone 3A	3,363						
Zone 3B	3,363						
Zone 4A	3,363						
Zone 4B	3,363						
Zone 5A	3,725						
Zone 5B	3,899						
Zone 6A	3,725						
Zone 6B	4,257						

## 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: 1712020171

Customer Name : GREENFIELD CAP DEV-WATERFORD

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

Report Date : 12/28/17

Sample Date : 12/20/17

Sample Time : 0905

Sample Type : GRAB WATERFORD

Sample From : DOSE TANK EFFLUENT

Collected By: JCB Delivery By : JCB

Work Order :

Purchase Order :

	Quality Assurance						
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes _	Quantity	<u> Method</u>	% RPD	% Recovery
12/20 0905 JCB	pН	7.8 S	.U.		SM 2000 4500-H+ B	0.00	N/A *
12/26 0800 TSB	Phosphorous, Total (as P)	6.7 mg	g/L		EPA 365.3	0.00	99.9 *
12/22 1512 AEU	Solids, Total Suspended	7.3 mg	g/L		SM 1997 2540 D	7.31	N/A *
12/20 1600 CLS	Coliform, Fecal	100 /100ml		SM 9222 D 1997		66.67	N/A *
12/20 1400 TSB	BOD, Carbonaceous	2.9 mg	J/L		SM 2001 5210 B	11.12	95.9 *
12/20 0905 JCB	Sample Collection/Travel	1 ea	ach				

\* 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

> Carlsbad, New Mexico 575-887-1ESC

## CHAIN OF CUSTODY

Phone: 479-750	0-1170	Fax: 479-750-1172		CI	HAIN C	of Cu	5101	JY									
Client Information					Project Information						Requested Parameters						
Company Name: Waterford Estates			-		Permit/Pro							66					
Address: 1695 Electric Avenue Springdale AR 72764			Purchase Order #:								(99						
				]					7		AN						
Telephone:		(479)751-8868		<del>"- '</del>	Sampler Name(s):		John Brod						TSS(28),PAN(99.	2)			
FAX:		(479)757-7650				(· )		long bush				ļ	3(2)	Phos(25)	(91)		
		(110).01 1000			and Signature(s):		Marie Constitution of the			43)	Si	Phe	Ž	İ			
ESC Client Nu	ımber	1886			Jana Olgilai	ui C(3).			,		1	ĮĘ,	<u>6</u>	₹	2 2		
	nple Iden		1	Sample Collection			Sample Containers			2	∣ଳ	Coliform(43)	(7	(15.	16./		
Identifica	<del></del>	ESC Control #	Date	Time	<del></del>		Туре	Volume Preservative		pH(23)	и О	CBOD(70),	NH3(15.A),	TKN(16.A),N+N(91)			
Dose Tank/		<del> </del>	1 7 7		Type			150 ml		alive 7	×	_		_	屵	-	_
<del></del>	··	171202017-1	12/20/17	0905	Grab	Water	Teflon		none			<del> </del>	┼─		┢─┼	$\dashv$	
Waterford I	states	<del>   </del>	<del> /</del>	<del> </del>	Grab	Water	whirlpak	<del></del>	300 ml none/ice		_	X	<del>  _</del>	$\vdash$	┝─┼	$\dashv$	
·				<del>                                     </del>	Grab	Water	Plastic 1 qt none/ice 1			┼	X	-	┢╼┼	$\dashv$			
					Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2 '	-	┼	<del> </del>	X	X	-+	
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Relinquished By: (Signa		John Browd	12 20/17	Time 1330		Received By: (Signature and Printed Name) Date			Time	Custody Seals: Used?			ł	Intact	:7 <b>[</b>		
Kelinquished By (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Date Time		around ular	around: ular X Special			<b>-</b>		
Relinquished By: (Signature and Printed Name) Date		Date	Time	Received for Lab	By: (Signature and	Printed Name	Indewal	122017 132()		) Wer	Were samples properly			y preserved: No			
Comments:			ے مراہدہ مریح			Field Test	'Time	Analyst	Res	iult	Resu						
				Analyst:		pH:	0905	JCB	7.				<del></del> -	°F			
				Time: Reading:		Temp.: DO:		+		.5	) (XO-5)		<u> </u>		<u> </u>		
					Units:		Debris:										
Cool all samples to 6 degrees C.								Chlorinated	? Yes N	0	Thi	s Do	cume	nt is	Page	10	of <u>/_</u>