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

PERMITTEE NAME			PERMIT NO.				
Waterford Estates at Hisson Ranch POA		W	4815-WR-4				
PERMITTEE ADDRESS	3		AFIN NO.				
3567 W New Hope Rd			72-00974				
Rogers, AR 72756							
		WAST					
		MM/DD/YYYY			MM/DD/YYYY		
		3/1/2017					
TREATED WASTEWATER EFFLUE	NT SAMPLING						
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting	
Flow, Monthly total		REPORT	REPORT 0.968565 MG Total Flow per calendar month				
Flow, dally maximun		REPORT	0.034021	MGD	Daily		
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	< 2	mg/i			
Total Suspended Solids (TSS)		15	7.7	mg/l			I
Fecal Coliform Bacteria (FCB)		2,000	< 4	colonies/100ml	Grab Sample once per month		
рН		6.0 - 9.0	7.7	s.u.		Prior to the 15th of the	1
Total Phosphorus (TP)		REPORT	7.6	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 ₃ -N) + Nitrite Nitrogen (NO ₂ -N)		REPORT	No Report	mg/l	Grab sample once per quarter		
Plant Available Nitrogen (PAN)		REPORT	No 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	Y EXAMINED AND AM WITH TH	HE INFORMATION		TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE IF	NDIVIDUALS IMMEDIATELY RE	SPONSIBLE FOR	ennett Olgra	1	
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTED	INFORMATION IS TRUE, A	ACCURATE, AND	SIGNATURE OF PRINCIPAL	(479) 530-	4/13/2017
Kathy Bartlett		/ARE THAT THERE ARE SIGNIFICANT PENA			EXECUTIVE OFFICER OR	5926	
TYPED OR PRINTED		AUTHORIZED AGENT		MM/DD/YYYY			
COMMENTS AND EXPLANATION O		SIBILITY OF FINE AND IMPRISONMENT. ference all attachments here)		-1			
	•	•					

WATERFORD ESTATES LOADING RATES March 2017									
Zone Identification	GPD/sq 2								
Zone 1A	2,824								
Zone 1B	2,688								
Zone 2A	2,688								
Zone 2B	2,552								
Zone 3A	2,688								
Zone 3B	2,688								
Zone 4A	2,688								
Zone 4B	2,688								
Zone 5A	2,977								
Zone 5B	3,116								
Zone 6A	2,977								
Zone 6B	3,402								

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: 1703020146

Customer Name : GREENFIELD CAP DEV-WATERFORD

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

Report Date : 03/21/17

Sample Date : 03/15/17

Sample Time : 0930

Sample Type : GRAB WATERFORD

Sample From : DOSE TANK EFFLUENT

Collected By: JB

Delivery By : JB Work Order :

Purchase Order :

	Quality Assurance					
Analvsis					Precision	Accuracy
Date Time By	Parameter	Result Notes	Quantity	Method	% RPD	<pre>% Recovery</pre>
03/15 0930 JCB	Hq	7.7 S.U.		SM 2000 4500-H+ B	0.00	N/A *
03/20 1300 TSB	Phosphorous, Total (as P)	7.6 mg/L		EPA 365.3	0.00	100.7 *
03/17 1520 AEU	<u>-</u>	7.7 mg/L		SM 1997 2540 D	0.00	N/A *
	Coliform, Fecal	< 4 /100ml		SM 9222 D 1997	0.00	N/A *
03/15 1400 TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	13.51	103.1 *
03/15 0930 JCB	Sample Collection/Travel	1 each				

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.

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

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

Fax: 479-750-1172

website: www.esclabs.com

Phone: 479-750-1170



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

> Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Client Information				Project Information								Requested Parameters							
Company Name: Address:	e: Waterford Estates 1695 Electric Avenue Springdale AR 72764			- 7	Permit/Project #: Purchase Order #:						4N(99.99)								
Telephone: FAX: ESC Client Number	(479)751-8868 (479)757-7650			Sampler Name(s):			Shn Byrd					Coliform(43)	CBOD(70), TSS(28),PAN(99.99)	NH3(15.A), Phos(25)	TKN(16.A),N+N(91)				
Sample Identification				Sample Collection				Sample Containers				ାଛି		9	3(15	(16.			
Identification	ESC	Control#	Date	Time	Туре	Matrix	Туре	Volume	Preserva	ative	#	pH(23)	F. C	Ö	Z	X			
Dose Tank/Efflue	nt 17030	20146	3/15/17	930	Grab	Water	Teflon	150 ml	none		1	х							
Waterford Estate	1	L			Grab	Water	whirlpak	300 ml	none/ice		1		х						
					Grab	Water	Plastic	1 qt	none/ice		1			х					
	1			1	Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1				х	х			
					 							-			-				
			.									L							
Ballaguished By: /Signature and	Printed Name		Date	Time	Distribut Day (0)			ļ			L				ļ				-
			NUO	Received By: (Signature and Printed Name) Date Time					110	Used	ody Se 17	eals:	1	Inta	ct?				
		Date	Time	Received By: (Signature and Printed Name) Date Time					Regu	around: ular 🗙			Special						
Relinquished By: (Signature and Printed Name) Date Time			Received for Lab	Received for Lab By: (Signature and Printed Name) Date Time Rickard Brown RickARD PROWN 3-15-17 1140			пе +О	Were	samb Yes	iles pr	operly	/ presi	erved: No						
Comments:			17. 4 1 244 -1	FLOW DA		Field Test	Time			Res				Units					
				Analyst:			pH:	930	30	JCB		7	75	3	Δ				
						Time:		Temp.:	1			كليا	6	ILG	,	(c)		°F	
						Reading: Units:		DO: Debris:	 	 		<u> </u>				 -			
Cool all samples to 6 degrees C.						Olina.		Chlorinated	l? Yes N	<u></u>		Thi	Doc	1 1000	nt ic	Doc-	<u>. 7</u>	of I	-
	2301 411 30		-3,000 0.					Omormatet.	: 169 I			11113	, 000	JULIC		ı ay	<u>- ب</u>	<u> </u>	