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

PERMITTEE NAME			PE]				
Waterford Estates at Hisson Ranch POA			48]				
PERMITTEE ADDRESS			F	AFIN NO.	7			
3567 W New Hope Ro	1		7	1				
Rogers, AR 72756					•			
		WAS	1					
		MM/DD/YYYY			MM/DD/YYYY]		
		9/1/2016			9/30/2016]		
TREATED WASTEWATER EFFLUE	NT SAMPLING							Ī
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting		1
Flow, Monthly total		REPORT	0.755202	MG	Total Flow per calendar month			
Flow, daily maximun		REPORT	0.031040	MGD	Daily			
Carbonaceous Blochemical Oxygen Demand (CBOD5)		15	< 2	mg/l				
Total Suspended Solids (TSS)		15	< 2	mg/l				
Fecal Collform Bacteria (FCB)		2,000	< 2	colonies/100ml	Grab Sample once per month		<u> </u>	
рН		6.0 - 9.0	7.1	S.U.		Prior to the 1		
Total Phosphorus (TP)	otal Phosphorus (TP)		7.5	mg/l		following		
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 Nitrog	gen (NO2-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	I CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONAL	LY EXAMINED AND AM WITH TH	HE INFORMATION	al all	TE	LEPHONE	DATE
	SUBMITTED HEREIN;	BMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR						
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTE	SIGNATURE OF PRINCIPAL	(479) 530-		10/11/2016		
Kathy Bartlett	COMPLETE. I AM AW	WARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, EXECUTIVE OFFICER OR 5926						
TYPED OR PRINTED	INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. AUTHORIZED AGENT							MM/DD/YYYY
COMMENTS AND EXPLANATION C	F VIOLATIONS (Re	ference all attachments here)						

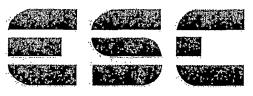
WATERFORD ESTATES LOADING RATES Sept 2016								
Zone Identification	GPD/sq 2							
Zone 1A	2,576							
Zone 1B	2,452							
Zone 2A	2,452							
Zone 2B	2,328							
Zone 3A	2,452							
Zone 3B	2,452							
Zone 4A	2,452							
Zone 4B	2,452							
Zone 5A	2,716							
Zone 5B	2,843							
Zone 6A	2,716							
Zone 6B	3,104							

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							3						
Company Name: Address:	e: Waterford Estates 1695 Electric Avenue			Permit/Project #: Purchase Order #:														
		Springdale AR 72764					·				1							
Telephone:				Sampler Name(s): John			An Burd						8					
FAX:	(479)757-7650			_ Qn			an Byrd					<u></u>	TSS(28)					
				and Signature(s):						•	n(43							
ESC Client Number:	1886	T									ٽ ا	Coliform(43)	CBOD(70),	25)				
	lentification	Data	-	e Collection		7.00.4		ple Containers		ш	pH(23)		BOI	Phos(25)				
Identification Dose Tank/Effluen	ESC Control #	Date 09/21/16	7ime 0835	Type Grab	Matrix Water	Type Teflon	Volume 150 ml	Preserva none	itive	#	a. X	ш.	10	<u>a</u>				
Waterford Estates	700905	1	0083	Grab	Water	whirlpak	300 ml	none/ice		1	 ^	×	 	-				
Trato, for a monato				Grab	Water	Plastic	1 qt	none/ice		1	-	^	x					
		1	/	Grab	Water	Plastic	8 oz	H ₂ SO ₄ ,pH	<2	1				х				
						ļ		<u> </u>										
· · · · · · · · · · · · · · · · · · ·						<u> </u>							<u> </u>					
					<u> </u>			 										
**************************************	·					<u> </u>		ļ										
Relinguished By: (Signature and Pr	inted Name)	Date		Received By: (Sig	nature and Printed	Name)		Dale	Tim	10	Custo	ody Se	als:	<u> </u>				-
Relinguished By: (Signature and Printed Name) Relinquished By: (Signature and Printed Name)		08/21/16 Date	1035 Time (Received By: (Signature and Printed Name)				Dale Time		1	round			Intac			_	
Relinquished By: (Signature and Printed Name) Date		Time	Received for Lab	d for Lab/By: (Signature and Printed Nam		mile	0/ Date 16	Time		Were	egular // /ere samples pro		operly	Special perly preserved: No			-	
Comments:			JUILU ICE	FLOW DA	TA	Fleid Test		Analy		Resu		Rest	ılt		Units			
					Analyst: Time:		pH: Temp.:	0835	Jc	B	7.0 33.0	36	7.0 2.4	4	<i>(</i> C)		°F	
					Reading:		DO:				<u>ω-</u>	<i>L</i>	CP-4	<u>.</u>	<u>ت</u> —			
Cool all samples to 6 degrees C.					Units:		Debris: Chlorinated	l? Yes No			Thie	Doo	ume	nt is	Page	. /	of /	\dashv
	TTT. III. TAMPIOO to 0 do	٠. ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ		····	·-·-		- montated	. 100 140			11113		uiiio	. 11. 10	. 49	· <u>-</u>	<u> </u>	

.JCIFORMSICHAIN.XLS

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: 1609020160

Customer Name : GREENFIELD CAP DEV-WATERFORD

Sample Time: 0835

Collected By: JB

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

Delivery By : JB

Sample Type : GRAB WATERFORD

Sample Date : 09/21/16

Work Order :

Report Date : 09/26/16

Sample From : DOSE TANK EFFLUENT

Purchase Order :

	Quality Assurance					
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
09/21 0835 JCB	рН	7.1 S.U.		SM 2000 4500-H+ B	0.00	N/A *
09/23 0930 TSB	Phosphorous, Total (as P)	7.5 mg/L	•	EPA 365.3	1.46	98.6 *
09/22 1435 AEU	Solids, Total Suspended	< 2.0 mg/L		SM 1997 2540 D	33.33	N/A *
09/21 1045 JCB	Coliform, Fecal	< 2 /100ml		SM 9222 D 1997	66.67	N/A *
09/21 1400 TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	3.34	97.0 *

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.

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