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

PERMITTEE NAME Goshen POID #2		PERMIT NO. 4815-WR-4					
PERMITTEE ADDRESS 3838 Oaklawn Drive Suite Dallas TX 75219		AFIN NO. 72-00974					
	,	MM/DD/YYYY 3/1/2016					
TREATED WASTEWATER EFFLUE	NT SAMPLING						
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting	
Flow, Monthly total		REPORT	0.697865	MG	Total Flow per calendar month		
Flow, daily maximun		REPORT	0.035986	MGD	Daily		
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	5.8	mg/l			
Total Suspended Solids (TSS)		15	< 2	mg/l			
Fecal Coliform Bacteria (FCB)		2,000	60	colonies/100ml	Grab Sample once per month		
рН		6.0 - 9.0	7.9	s.u.		Prior to the 15th of the	
Total Phosphorus (TP)		REPORT	7	mg/l		following Month	ı
Total Kjeldahl Nitrogen (TKN)		REPORT	71.68	mg/l			ı
Ammonia Nitrogen (NH3-N)		REPORT	68.4	mg/l	Crob sample and nor quarter		ı
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)		REPORT	0.9	mg/l	Grab sample once per quarter		
Plant Available Nitrogen (PAN)		REPORT	70.3	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	1 1	TELEPHONE	DATE
Kathy Bartlett	OBTAINING THE INF	AND BASED ON MY INQUIRY OF THOSE IS ORMATION, I BELIEVE THE SUBMITTED ARE THAT THERE ARE SIGNIFICANT PENA) INFORMATION IS TRUE, A	CCURATE, AND	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	(479) 530- 5926	4/8/2016
TYPED OR PRINTED	1	SIBILITY OF FINE AND IMPRISONMENT.	ETIES FOR CODMITTING FALSI	- INTO CHIMATION,	AUTHORIZED AGENT		MM/DD/YYYY
COMMENTS AND EXPLANATION OF	1				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

one Identification	GPD/sq 2	
Zone 1A	2,987	
Zone 1B	2,843	
Zone 2A	2,843	
Zone 2B	2,699	
Zone 3A	2,843	
Zone 3B	2,843	
Zone 4A	2,843	
Zone 4B	2,843	
Zone 5A	3,149	
Zone 5B	3,296	<u></u>
Zone 6A	3,149	
Zone 6B	3,599	

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: 1603020221

Customer Name : GREENFIELD CAP DEV-WATERFORD

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

Report Date : 03/22/16

Sample Date : 03/16/16

Sample Time : 0820

Sample Type : GRAB WATERFORD

Sample From : DOSE TANK EFFLUENT

Collected By: WDS Delivery By: WDS

Work Order : Purchase Order :

	Quality Assurance					
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	<u>Method</u>	% RPD	% Recovery
03/17 0830 TSB	Ammonia Nitrogen	68.4 mg/L		SM 1997 4500-NH3 F	0.36	108.0 *
03/22 0830 TSB	Kjeldahl Nitrogen Total	71.68 mg/L		SM 1997 4500-NorgB	1.87	100.5 *
03/16 0820 WDS	рH	7.9 S.U.		SM 2000 4500-H+ B	0.00	N/A *
03/21 1330 TSB	Phosphorous, Total (as P)	7.0 mg/L		EPA 365.3	1.68	100.8 *
03/21 1100 CLS	Solids, Total Suspended	< 2.0 mg/L		SM 1997 2540 D	0.00	N/A *
03/16 1620 RHB	Coliform, Fecal	60 /100ml		SM 1997 9222 D	0.00	N/A *
03/16 1400 TSB	BOD, Carbonaceous	5.8 mg/L		SM 2001 5210 B	0.00	101.0 *
03/21 1445 TSB	Nitrate + Nitrite	0.9 mg/L		SM 2000 4500-NO3 E	0.90	98.7 *
03/22 1630 TSB	Nitrogen, Plant Available	70.3 mg/T		SM 1997 4500-N		

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

website: www.esclabs.com



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

> Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Phone: 479-750-		Fax: 479-750-1172		Cl	HAIN C	of Cu	SIO	DY											
Client Information				Project Information Requ							ques	sted	Par	amo	eters	3			
Company Name: Waterford Estates			Permit/Project #:									(66							
Address: 1695 Electric Avenue			Purchase	Purchase Order #:								66	ŀ						
		Springdale AR 727	'64		1							1		AZ					ļ
			Sampler Name(s): Lygde Samult							J. P.	2								
FAX:		(479)757-7650	 	·····	ourision ramo(d).							1		(28	\$(2	91)			
		(170)/07 1000	 		and Signature(s):						1	43)	CBOD(70), TSS(28),PAN(99.99)	NH3(15.A), Phos(25)	TKN(16.A),N+N(91)				
ESC Client Nun	nher:	1886			Janu Olgilai	iure(s).					٠.	l	È	6	दं	N,			
	ple Iden	 	<u>T</u>	Sample	Collection	····	T	Sample	Container			္က	F. Coliform(43)	2	15.	L6.A			
Identificati		ESC Control #	D-4-	T	T	14-4-5-			Containers		#	pH(23)	ပြ	BO	H3(S.	l l		
			Date	Time	Туре	Matrix	Туре	Volume		Preservative			ш.	10	Z	Ě	لـــــا		-
Dose Tank/E		1603020221	3-16-16	8:20	Grab	Water	Teflon	150 ml	none	none		×	 	├—			 		
Waterford E	states		 	 	Grab	Water	whirlpak	300 ml	none/ice		1	<u> </u>	X	<u> </u>	<u> </u>			\sqcup	
/			/_	/	Grab	Water	Plastic	1 qt	none/ice 1			<u> </u>	X	لــــا		<u></u>		<u> </u>	
			1	Grab	Water	Plastic	8 oz	H₂SO₄,pH	<2	1			<u> </u>	х	x				
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<u></u>	/	· · · · · · · · · · · · · · · · · · ·																	
Relinquished By. (Signatu	re and Printed	Name)	3-16-16	13:44	Received By: (Signature and Printed Name) Date Time					6		dy Se		7		······································			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name) Date Time				Used	round	//	_	Intac	17						
			-		•				Regu	iar	/		Spec						
Relinquished By: (Signatu	re and Printed	Name)	Date	Time	Received for Lab By: (Signature and Printed Name Richard Brown RicHARD		BROWN/	3-16-16	134	åz-	Were	samp Yes	les pr	operly	prese	rved: No			
Comments:				11-3-7 00 1	FLOW DATA Field Test			Time	Analys		Rest		Resu	ılt	Units				
					Analyst:			pH:	8:20			7.5							
						Time: Reading:		Temp.: DO:	3:20	WI	۲	130	<u>ک</u>			<u>(C)</u>		°F	\dashv
					7-114-20-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	Units:		Debris:											
Cool all samples to 6 degrees C.								Chlorinated	l? Yes N	lo		This	Doc	ume	nt is	Page	-	of	