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

PERMITTEE NAME				PERMIT NO.				
Goshen Municipal POID	#2			4815-WR-5				
PERMITTEE ADDRESS	s			AFIN NO.				
3567 W New Hope Rd		<u> </u>	2323 Bowen Blv			72-00974		
Rogers, AR 72756			Fayetteville AR 72	2703				
		WAS						
		MM/DD/YYYY	<del></del>		MM/DD/YYYY			
		1/1/2021			1/31/2021			
TREATED WASTEWATER EFFLUE	NT SAMPLING							
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	R	eporting	
Flow, Monthly total		REPORT	1,044,283	MG	Total Flow per calendar month			
Flow, daily maximun		REPORT	0.036,319	MGD Daily				
Carbonaceous Biochemical Oxygen Demand (CBOD5)		30	16.1	mg/l				
Total Suspended Solids (TSS)		45	12.5	mg/l				
Fecal Coliform Bacteria (FCB)		2,000	913	colonies/100ml	Grab Sample once per month			
рН		6.0 - 9.0	7.7	s.u.			the 15th of the	
Total Phosphorus (TP)		REPORT	7.26	mg/l		folio	owing Month	
Total Kjeldahl Nitrogen (TKN)		REPORT	71.5	mg/l				
Ammonia Nitrogen (NH3-N)		REPORT	68.2	mg/l	Grab sample once per quarter			
Nitrate Nitrogen ( NO <sub>3</sub> -N) + Nitrite Nitrogen ( NO <sub>2</sub> -N)		REPORT	0.93	mg/l	Oras cample ones per quarter			
Plant Available Nitrogen (PAN)	Plant Available Nitrogen (PAN)		70.1	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	7	TELEPHONE	DÁTE			
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE	E INDIVIDUALS IMMEDIATELY RE	SPONSIBLE FOR	MMMUUM			0/40/0004
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITT	ED INFORMATION IS TRUE, ACCURATE, AND		SIGNATURE OF PRINCIPA	L	(479) 530-	2/12/2021
Kathy Bartlett	COMPLETE. I AM AWA	ARE THAT THERE ARE SIGNIFICANT PE	NALTIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR		5926	
TYPED OR PRINTED	INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.  AUTHORIZE							MM/DD/YYYY
COMMENTS AND EXPLANATION O	F VIOLATIONS (Re	ference all attachments here)						

Daily Max	36,319	i
Zone Identification	GPD/sq 2	
Zone 1A	3,320	
Zone 1B	2,869	
Zone 2A	2,869	
Zone 2B	3,105	
Zone 3A	2,869	
Zone 3B	2,869	
Zone 4A	2,869	
Zone 4B	2,869	
Zone 5A	3,178	
Zone 5B	3,009	
Zone 6A	3,178	
Zone 6B	3,314	

## 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: 2101020085

Customer Name : WATERFORD UTILITY, LLC

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

Report Date : 02/02/21

Sample Date : 01/20/21

Sample Time: 0950

Sample Type : GRAB Sample From : EFFLUENT Collected By: HNS

Delivery By : HNS Work Order :

Purchase Order :

	Quality Assurance				
Analysis				Precision	Accuracy
Date Time By	Parameter	Result Notes Quan	tity Method	% RPD	<pre>% Recovery</pre>
01/25 1000 HNS	Ammonia as N, (HACH 10205)	68.20 mg/L	SM 2011 4500-NH3 F	6.17	102.0 *
02/02 1115 TWM	Total Kjeldahl Nitrogen	71.5 mg/L	02/2014 HACH 10242	3.17	95.3 *
01/20 0954 HNS	_	7.7 S.U.	SM 2011 4500-H+ B	0.00	N/A *
01/22 1130 HNS	Phosphorous, Total (as P)	7.26 mg/L	EPA 365.3	1.65 <sup>.</sup>	102.0
		12.5 mg/L	SM 2011 2540 D	25.94	N/A *
	Fecal Coliform (MPN/100mL	912.8 /100ml	06/2012 Colilert18	0.00	N/A *
• .	BOD, Carbonaceous	16.1 mg/L	SM 2001 5210 B	0.00	101.3 *
	Nitrate + Nitrite	0.93 mg/L	01/2013 HACH 10206	5.23	108.0 *
•	Nitrogen, Plant Available	70.1 mg/L	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.,

1044285 34319 Kristin Mullins

<sup>\*</sup> OA 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: Waterford Estates				Permit/Project #:					(			66	·						
Address:	ddress: 1695 Electric Avenue			Purchase Order #:								PAN(99.			ıl				
Springdale AR 72764													AN		(91				
Telephone:		(479)751-8868	:		Sampler Name(s): Hayden Snith						.	3,6	25)	Š		1			
FAX:		(479)757-7650			and Signature(s): Hayden Snith						Ē	TSS(28),	Phos(25)	3+		:			
			and Signature(s): Harsh Lib			h				(43		౼	Ĭ,		ł				
ESC Client Nur	mber:	1886			Sampler Name(s):  Haydra Smith  Collection  Sample Containers  Type  Matrix  Type  Matrix  Type  Matrix  Matri								:						
Sam	nple Iden	tification		Sample Collection			Sample Containers			;		23)	赏	) C	3(1)	S. S.	·	1	
Identificat	tion	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	tive	#	pH(23)	표	CB	F	붓			·
Dose Tank/E	Effluent	2101020085	1-20-21	1-20-21	Grab	Water	Glass	150 ml	none		1	Х				,			
Waterford E		1	HWS	OPSO	Grab	Water	Sterile	120ml	none/ice		1		Х						
					Grab	Water	Plastic	1/2 gal	none/ice		1			Х					
	No. 1	1	Ų.	T.	Grab	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> ,pH	<2	1				Х	X			
											Ţ								
						*1													
. :																			
Relinquished By: (Signal	ture and Printed	Name)	Date	Time	Received By: (Signature and Printed Name)				Date	·. Tin	ne .	Custo Used	ody Se	als:		Intac	cd?		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time		Turna	around		<u>.</u>					
Relinquished By (Signature and Printed Name)		Date  -20-2	Time	Received for Lab By: (Signature and Printed Nam			a)	Pate Time		٦	Regul Were			Special openy preserve No			$\dashv$		
Comments:		(	FLOW DATA		Field Test	Time			Resu					Units					
			<u> </u>	Analyst: Time:	· ·	pH: Temp.:	0954	14/15	5	7.	7_	7.			°F	_			
					Reading:	• • • • • • • • • • • • • • • • • • • •	DO:										- 14		
					Units:		Debris:												
Cool all samples to 6 degrees C.							Chlorinated? Yes No This Document is Pag						Pag	e i	of /	_			

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NWA Utility Services Inc PO Box 9299 Fayetteville, AR 72703

ADEQ WATER DIVISION/PERMITS BRANCH 5301 Northshore Drive N Little Rock, AR 72118-5317