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

# PERMITTEE NAME Goshen Municipal POID #2 PERMITTEE ADDRESS 3567 W New Hope Rd Rogers, AR 72756

26	, a'z	6°		FACI	LITY NAME	(IF DIFFEF	RENT)	a .	 	
				Water	rford Estates	s at Hissom	Ranch		 	
			,		FACILITY	ADDRESS			 <del>-,</del>	
					2323 Bo	wen Blvd			 	
					Fayetteville	e AR 72703			 	

4815-WR-5
AFIN NO.

PERMIT NO.

72-00974

WAS	TEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY		MM/DD/YYYY
3/1/2021		3/31/2021

PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting				
Flow, Monthly total		REPORT	01.044,976	MG	Total Flow per calendar month					
Flow, daily maximun		REPORT	0.041,002	MGD	Daily					
Carbonaceous Biochemical Oxygen Dema	nd (CBOD5)	30	8.6	mg/l			1			
Total Suspended Solids (TSS)		45	9.8	mg/l			l			
Fecal Coliform Bacteria (FCB)		2,000	286	colonies/100ml	Grab Sample once per month					
оН		6.0 - 9.0	7.8	s.u.		Prior to the 15th of the				
otal Phosphorus (TP)		REPORT	7.51	mg/l		following Month				
Total Kjeldahl Nitrogen (TKN)		REPORT		mg/l			ĺ			
Ammonia Nitrogen (NH₃-N)		REPORT		mg/l	Grab sample once per quarter					
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)		REPORT		mg/l	Grab sample once per quarter	:				
Plant Available Nitrogen (PAN)		REPORT		mg/l			l			
Loading Rate		REPORT	See Attached	gpd/ft 2	Daily					
SL	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR SIGNATURE OF PRINCIPAL (479)									
Kathy Bartlett COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, EXECUTIVE OFFICER OR INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.  592  AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF V		·								

March 2021 WATERFORD ESTATES LOADING RATES										
Daily Max	41,002									
Zone Identification	GPD/sq 2									
Zone 1A	3,350									
Zone 1B	3,239									
Zone 2A	3,239									
Zone 2B	3,350									
Zone 3A	3,239									
Zone 3B	3,239									
Zone 4A	3,239									
Zone 4B	3,239									
Zone 5A	3,588									
Zone 5B	3,978									
Zone 6A	3,588									
Zone 6B	3,714									

41,002

#### 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: 2103020055

Customer Name : WATERFORD UTILITY, LLC

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

Report Date : 03/24/21

Sample Date : 03/17/21

Sample Time: 1007

Sample Type : GRAB

Sample From : EFFLUENT

Collected By: HNS

Delivery By : HNS

Work Order : Purchase Order :

	<u>Quality A</u>	ssurance				
Analysis	<del>-</del>	Laboratory Analysis			Precision	Accuracy
Date Time By	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
03/17 1010 HNS	рН	7.8 S.U.		SM 2011 4500-H+ B	0.00	N/A *
03/22 1500 HNS	Phosphorous, Total (as P)	7.51 mg/L		EPA 365.3	0.38	98.0 *
03/22 1300 HNS	Solids, Total Suspended	9.8 mg/L		SM 2011 2540 D	5.71	N/A *
<b>,</b>	Fecal Coliform (MPN/100mL	285.5 /100ml		06/2012 Colilert18	10.53	N/A *
03/17 1610 HNS		8.6 mg/L		SM 2001 5210 B	38.20	85.7 *
03/18 0738 TWM	BOD, Carbonaceous	6.0 mg/n	•			

\* 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. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co.,

RSW 1,044,976 41,002

## Environmental Services Company, Inc. Northwest Arkansas 1107 Century Street Springdale, Arkansas 72762 website: www.esclabs.com

Fax: 479-750-1172

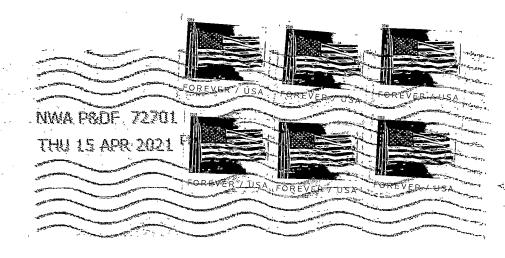
Phone: 479-750-1170

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

Carlsbad, New Mexico 575-887-1ESC

#### **CHAIN OF CUSTODY**

Client Information						Pro	oject Inf	formation					Requested Paramete						<u> </u>
Company Name: Waterford Estates				-	Permit/Project #:														
Address: 1695 Electric Aven			ue		Purchase Order #:								·						ĺ
Springdale AR 72764				4															ĺ
				Sampler N	lame(s):	Havi	An. S		(28)		Ē					l			
FAX:		(479)757-7650			1	Sampler Name(s): Hayden Sm: +h								43.					l
_		(419)131-1630			and Signature(s): Haysh SiM							TSS		E					
	<u> </u>		<del></del>		and Signa	ture(s):	11ceys	u yr	m			(70),	(2)	횰				l	1
ESC Client Nu		1886	<del>,</del>	<del></del>	<u> </u>							2) (	T-Phos (25)	Fecal Coliform (43.IF)	3				l
San	nple Iden			Sample	Collection		<b></b>	<del>,</del>	Containers			СВОD	된	cal	l (23)				
Identifica	tion	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	tive	#	Ö	1	Fe	H				
Dose Tank/E	Effluent	2103020055	3-17-21	1007	Grab	Water	Plastic	1/2 gal	None, Co	ioc	1	Х							
Dose Tank/E	Effluent		1	1	Grab	Water	Plastic	250 mL	H2SO4, pl	1<2	1		X						
Dose Tank/Effluent				Grab	Water	Sterile	100 mL	1		1			х						
Dose Tank/Effluent		T	Ţ	Grab	Water	Glass	8 oz	None 0		0				х					
							Ī												
																	-		
•. •																			
															•				
Relinquished By: (Signal	ture and Printed	Name)	Date	Time	Received By: (Sig	gnature and Printed	Name)		Date	Tim			dy Se		• •		ســـــــــــــــــــــــــــــــــــــ		
Palinguished Bur (Signal	ture and Printed	Namo)	Date	Time	Penalyad Byr /Sir	gnature and Printed		·	Date	Tim		Used'	round	N		Intac	t?		<u> </u>
Relinquished By: (Signature and Printed Name)			Date .		received by. (dig	, gradule and Finned	. Hane)		Date .			Regul		X		Spec	ial		
Relinquished Byy (Signature and Printed Mame)			Date	Time	Received for lab	By: (Signature and	Printed Name	e) ·	Date 3/19/pi	Tim 124	<u>و</u> ۲		samp Yes	les pro	perly	ly preserved:			<del></del>
House With 3-17-21 1240			rzyo:	13/13/	FLOW DA	ATA	Field Test		Analys		Resu		Resu	lt	_	No Units			
							pH:				7.8	_	7.8						
					Time:		Temp.:					$\Box$		$\Box$	°C		°F		
			· · ·		· · · · · · · · · · · · · · · · · · ·	Reading:		DO:									<del></del>		
4 (4 : #	<del> </del>					Units:	<del></del>	Debris:			_		لــــــــــــــــــــــــــــــــــــــ			<u>.</u>	<del>. ,</del>		$\mu$
HNS Cool all samples to 6 degrees C.					-	Chlorinated? Yes No					This Document is Page / of /								



NWA Utility Services Inc PO Box 9299 Fayetteville, AR 72703

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