ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION MONTHLY MONITORING REPORT

Goshen Municipal POID #2 PERMITTEE ADDRESS 3567 W New Hope Rd			FACILITY NAME (IF DIFFERENT) PERMIT Waterford Estates at Hissom Ranch 4815-W									
Rogers, AR 72756	8	FACILITY ADDRESS AFIN NO. 2323 Bowen Bivd 72-00974 Fayetteville AR 72703 72-00974										
		WASTER MM/DD/YYYY 10/1/2020		_								
REATED WASTEWATER EFFLUENT				<u> </u>		×	-					
PARAMETER	en na heideren er e en n	n a stand a Limit - service a stand	Sample Measurement	UNITS	Monitoring	Reporting						
ow, Monthly total				Total Flow per calendar month]						
ow, daily maximun		REPORT	0.049,805	MGD	Daily							
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	3.1	mg/l								
Total Suspended Solids (TSS)		15	3.5	mg/l								
Fecal Coliform Bacteria (FCB) DH Total Phosphorus (TP)		2,000	2	colonies/100ml	Grab Sample once per month							
		6.0 - 9.0	7.6	s.u.		Prior to the 15th of the						
		REPORT	7.5	mg/l		following Month						
Total Kjeldahl Nitrogen (TKN)		REPORT	54.3	mg/ł								
Ammonia Nitrogen (NH3-N)		REPORT	50.8	mg/l								
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)		REPORT	6.13	mg/l	Grab sample once per quarter							
Plant Available Nitrogen (PAN)		REPORT	58	mg/l								
oading Rate		REPORT See Attached		gpd/ft 2	Daily							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	ERTIFY UNDER PEI	NALTY OF LAW THAT I HAVE PERSONALLY	EXAMINED AND AM WITH TH	E INFORMATION	1 mar 11 11	TELEPHONE	DATE					
ຣບຄ	BMITTED HEREIN;	and based on my inquiry of those in	DIVIDUALS IMMEDIATELY RE	hradia								
- OB	TAINING THE INF	ORMATION, I BELIEVE THE SUBMITTED	INFORMATION IS TRUE, A	CCURATE, AND	SIGNATURE OF PRINCIPAL		11/12/2020					
	MPLETE. 1 AM AW	ARE THAT THERE ARE SIGNIFICANT PENAL	TIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR	5926						
TYPED OR PRINTED		AUTHORIZED AGENT	<u> </u>	MM/DD/YYYY								
OMMENTS AND EXPLANATION OF VI	IOLATIONS (Re	terence all attachments here)			, ·, ·,							

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October 2020 WATERFORD ESTATES LOADING RATES						
Daily Max	49,805					
Zone Identification	GPD/sq 2					
Zone 1A	3,928					
Zone 1B	3,936					
Zone 2A	3,936					
Zone 2B	3,995					
Zone 3A	3,936					
Zone 3B	3,936					
Zone 4A	3,936					
Zone 4B	3,936					
Zone 5A	4,358					
Zone 5B	4,568					
Zone 6A	4,358					
Zone 6B	4,982					

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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: 2010020076 Customer Name : WATERFORD UTILITY, LLC Customer/Permit No. : 1886 / 4815-WR-4 Report Date : 10/30/20 Sample Date : 10/21/20 Sample Time : 0910 Sample Type : GRAB Sample From : EFFLUENT Collected By: HNS Delivery By : HNS Work Order : Purchase Order :

Services Co., Inc.

· · ·	<u>Quality A</u>	Assurance				
Analysis	-				Precision	Accuracy
Date Time By	Parameter	Result Note	s Quantity	Method	<u> </u>	% Recovery
10/26 1500 HNS	Ammonia as N, (HACH 10205)	50.80 mg/L		SM 2011 4500-NH3 F	-1.89	106.0 *
10/26 1245 TWM	Total Kjeldahl Nitrogen	54.3 mg/L		02/2014 HACH 10242	9.93	93.1 *
10/21 0912 HNS	2 2	7.6 S.U.		SM 2011 4500-H+ B	0.00	N/A *
10/27 1100 HNS	Phosphorous, Total (as P)	7.50 mg/L		EPA 365.3	0.00	96.0 *
10/23 0920 HNS	Solids, Total Suspended	3.5 mg/L		SM 2011 2540 D	0.00	N/A *
10/21 1624 HNS	Fecal Coliform (MPN/100mL	2.0 /100ml		06/2012 Colilert18	0.00	N/A *
	BOD, Carbonaceous	3.1 mg/L		SM 2001 5210 B	0.00	85.5 *
10/26 0930 HNS	Nitrate + Nitrite	6.13 mg/L	·	01/2013 HACH 10206	6.28	93.0 *
10/30 1030 TWM	Nitrogen, Plant Available	58.0 mg/L		SM 1997 4500-N	,	
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* 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. 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

1,127,100 ~149,160 KNN

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

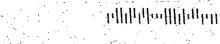
CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters							
Company Name:	e: Waterford Estates			Permit/Project #:										T			
Address:	1695 Electric Avenue			Purchase	Purchase Order #:							1					
	Springdale AR 72764																
Telephone:	(479)751-8868			Sampler Name(s):		Hor	Horden Snith				2	(43.IF)					
FAX:	(479)757-7650]								15					
				and Signature(s):		Hoyden Enith					or m		:			1	
ESC Client Number: 1886										(25)	Fecal Coliform						
Sample le	lentification		Sample	Collection		Sample Containers				T-Phos (g	(23)					
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	tive :	# C	티는	Ц Ц	Ha				
Dose Tank/Efflue	nt 2010020076	10/21/26	6916	Grab	Water	Plastic	1/2 gai	None, C	ool	1)	κ						
Dose Tank/Effluer		1	1	Grab	Water	Plastic	250 mL	H2SO4, p	H<2	1	X						
Dose Tank/Efflue	nt			Grab	Water	Sterile	100 mL	Na ₂ S ₂ O ₃ , C	ool	1		X					
Dose Tank/Efflue	nt 4	4	*	Grab	Water	Glass	8 oz	None		0			X				
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Relinquished By: (Signature and F	rinted Name)	Date	Time	Received By: (Signature and Printed Name) Date Time					Sustody Seals: Jsed?								
Relinquished By: (Signature and Printed Name) Date Time		Time	Received By: (Signature and Printed Name) Date Time					around:			i						
Relinquished By: (Signature and Printed Name) Date Time		Received for Lab By: (Signature and Printed Name)			Date	Time	Reguli îme Were		ar X Sp samples property pre		Specia preserv	ed:	_				
Haud hith 10		10121120	1600	(ykthreak)		Im	n jok		1601	NOV _		Yes		No			
Comments:	· · · · · · · · · · · · · · · · · · ·	·	<u></u>		FLOW D	ATA	Field Test pH:		Analyst	_	sult	Res	_		nits		
·····	······································				Analyst: Time:		Temp.:	0912	HNS		. 0			°C	°F	=	
						DO:											
	·				Units:		Debris:	I						<u> </u>			
Cool all samples to 6 degrees C.					Chlorinated? Yes No				T	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



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