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

PERMITTEE NAME Waterford Estates at Hisson Ranch POA		FACILITY NAME (IF DIFFERENT) Waterford Estates at Hissom Ranch POA					PERMIT NO. 4815-WR-4	
PERMITTEE ADDRESS 3567 W New Hope Rd Rogers, AR 72756		FACILITY ADDRESS 2323 Bowen Blvd Fayetteville AR 72703						
		MM/DD/YYYY 2/1/2020	WATER EFFLUENT MO	OD MM/DD/YYYY 2/29/2020				
TREATED WASTEWATER EFFLUE	NT SAMPLING		and the same of	F				
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	R	eporting	
Flow, Monthly total		REPORT	1.107,608	MG	Total Flow per calendar month			
Flow, daily maximun		REPORT	0.039867	MGD	Daily			-
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	6.5	mg/l				
Total Suspended Solids (TSS)		15	8	mg/l				٠,
Fecal Coliform Bacteria (FCB)		2,000	25	colonies/100ml	Grab Sample once per month			•
pH		6.0 - 9.0	7.9	s.u.			the 15th of the	
Total Phosphorus (TP)		REPORT	7.24	mg/l			wing Month	
Total Kjeldahi Nitrogen (TKN)		REPORT		mg/l				
Ammonia Nitrogen (NH₃-N)		REPORT		mg/l	Good accords and a constant			, I
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)		REPORT		mg/l	Grab sample once per quarter			
Plant Available Nitrogen (PAN)		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 PERSONALLY	EXAMINED AND AM WITH TH	E INFORMATION	1 1000 1 1 st	7 11	TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE IN	KMANTAH					
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTED	CCURATE, AND	SIGNATURE OF PRINCIPAL		(479) 530-	3/13/2020	
Kathy Bartlett	COMPLETE. I AM AWA	EXECUTIVE OFFICER OR		5926				
TYPED OR PRINTED	INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.				AUTHORIZED AGENT			MM/DD/YYYY
COMMENTS AND EXPLANATION O Continuing to repair multiple drip		•	proper fittings		:			

February 2020 WATERFORD ESTATES LOADING RATES				
Daily Max	39,867			
Zone Identification	GPD/sq 2			
Zone 1A	3,309			
Zone 1B	3,149			
Zone 2A	3,149			
Zone 2B	3,046			
Zone 3A	3,149			
Zone 3B	3,149			
Zone 4A	3,149			
Zone 4B	3,149			
Zone 5A	3,488			
Zone 5B	3,652			
Zone 6A	3,488			
Zone 6B	3,987			

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: 2002020087

Customer Name : WATERFORD UTILITY, LLC

Customer/Permit No.: 1886 / 4815-WR-4 Report Date : 02/27/20

Sample Date : 02/19/20

Sample Time : 1150

Sample Type : GRAB Sample From : DOSE TANK/EFFLUENT

Collected By: BRS Delivery By : BRS

Work Order: Purchase Order :

	<u> Laboratory Analysis</u>						
Analysis					Precision	Accuracy	
Date Time By	Parameter	Result Not	es Quantity	Method	% RPD	<pre>% Recovery</pre>	
02/19 1155 BRS	рН	7.9 S.U.		SM 2011 4500-H+ B	0.00	N/A *	
02/26 1400 TSB	Phosphorous, Total (as P)	7.24 mg/L		EPA 365.3	1.36	102.0 *	
02/25 1345 TSB	Solids, Total Suspended	8.0 mg/L		SM 2011 2540 D	13.35	N/A *	
02/19 1645 TSB	Fecal Coliform (MPN/100mL	25.2 /100ml	•	06/2012 Colilert18	0.00	0.0 *	
02/19 1700 TSB	BOD, Carbonaceous	6.5 mg/L		SM 2001 5210 B	0.00	108.8 *	

* 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 Services Co., Inc.

1,107,608

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

Fax: 479-750-1172

CHAIN OF CUSTODY Phone: 479-750-1170 **Project Information** Requested Parameters Client Information Permit/Project #: Company Name: Waterford Estates Purchase Order #: Address: 1695 Electric Avenue Springdale AR 72764 Coliform (43.1F) Brian Steinman Sampler Name(s): (479)751-8868 Telephone: (28)FAX: (479)757-7650 and Signature(s): T-Phos (25) ESC Client Number: 1886 Sample Identification Sample Containers Sample Collection ВОВ # Volume | Preservative Identification ESC Control# Date Time Type Matrix Type 2/19/20 :50 2002020087 X Dose Tank/Effluent 1/2 gal None, Cool Grab Water **Plastic** X Dose Tank/Effluent H2SO4, pH < 2 Grab Water Plastic 250 mL X Dose Tank/Effluent Grab Water Sterile 100 mL Na₂S₂O₃, Cool X Dose Tank/Effluent Water Glass None Grab 8 oz Custody Seals: 1/19/20 Received By: (Signature and Printed Name) Date Brian Steidman 16705 Used? Intact? Received By: (Signature and Printed Name) Time Turnaround: Relinquished By: (Signature and Printed Name) Regular Special Received for Lav By: (Signature and Printed Name) Relinquished By: (Signature and Printed Name) 21920 1605 Were samples properly preserved: FLOW DATA Time Field Test Analyst Result Result Units 11:55 Analyst: pH: BRS Time: Temp.: DO: Reading: Debris: Units: This Document is Page (of) Cool all samples to 6 degrees C. Chlorinated? Yes

NWA UTILITY SERVICES, INC

PO Box 9299 Fayetteville, AR 72703











ADEQ Water DIV. Permits Branch 5301 Northshora Drive N. LITTLE ROCK, AR 72118