

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

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

<b>FACILITY NAME (IF DIFFERENT)</b>
Waterford Estates at Hissom Ranch

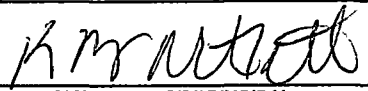
<b>PERMIT NO.</b>
4815-WR-5

<b>FACILITY ADDRESS</b>
2323 Bowen Blvd Fayetteville AR 72703

<b>AFIN NO.</b>
72-00974

<b>WASTEWATER EFFLUENT MONITORING PERIOD</b>		
MM/DD/YYYY		MM/DD/YYYY
3/1/2021		3/31/2021

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	01.044,976	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.041,002	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	8.6	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	9.8	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	286	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	7.51	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH <sub>3</sub> -N)	REPORT		mg/l		
Nitrate Nitrogen ( NO <sub>3</sub> -N) + Nitrite Nitrogen ( NO <sub>2</sub> -N)	REPORT		mg/l		
Plant Available Nitrogen (PAN)	REPORT		mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 <b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	4/13/2021
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

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 :

## Laboratory Analysis

Analysis									Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method		Precision % RPD	Accuracy % Recovery
03/17	1010	HNS	pH	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 *
03/19	1300	HNS	Solids, Total Suspended	9.8 mg/L			SM 2011 2540 D		5.71	N/A *
03/17	1610	HNS	Fecal Coliform (MPN/100mL)	285.5 /100mL			06/2012 Colilert18		10.53	N/A *
03/18	0738	TWM	BOD, Carbonaceous	8.6 mg/L			SM 2001 5210 B		38.20	85.7 *

\* 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.

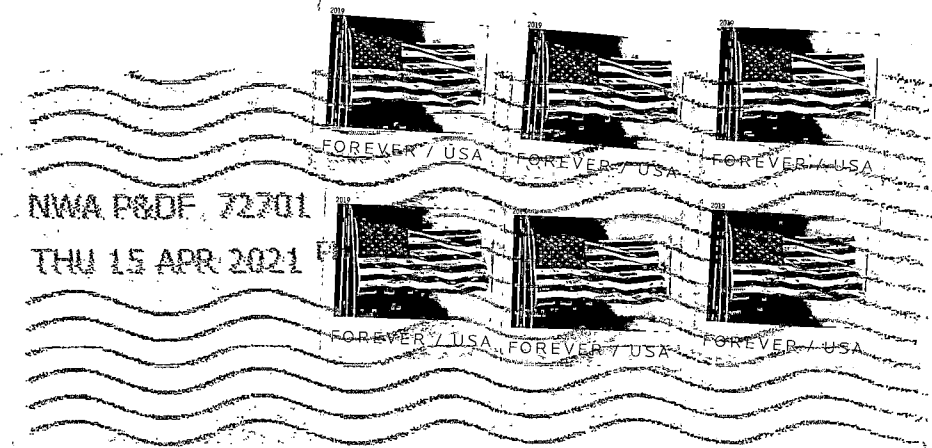
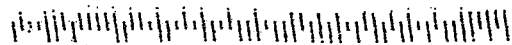
RSW


1,044,976  
41,002



**Carlsbad, New Mexico**  
**575-887-1ESC**

## CHAIN OF CUSTODY



 **NWA Utility Services Inc**  
**PO Box 9299**  
**Fayetteville, AR 72703**

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