

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

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

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

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

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1,044,283	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.036,319	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	16.1	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	12.5	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	913	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	7.26	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	71.5	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	68.2	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	0.93	mg/l		
Plant Available Nitrogen (PAN)	REPORT	70.1	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I 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	2/12/2021
TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS ( <i>Reference all attachments here</i> )				

January 2021 WATERFORD ESTATES LOADING RATES	
Daily Max 36,319	
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 :

Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
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	pH	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	102.0
01/25	1330	HNS	Solids, Total Suspended	12.5 mg/L			SM 2011 2540 D	25.94	N/A *
01/20	1630	HNS	Fecal Coliform (MPN/100mL)	912.8 /100ml			06/2012 Colilert18	0.00	N/A *
01/21	0730	TWM	BOD, Carbonaceous	16.1 mg/L			SM 2001 5210 B	0.00	101.3 *
01/26	1210	HNS	Nitrate + Nitrite	0.93 mg/L			01/2013 HACH 10206	5.23	108.0 *
02/02	1510	TWM	Nitrogen, Plant Available	70.1 mg/L			SM 1997 4500-N		

\* QA data shown is from a different sample or standard on the same date.

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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

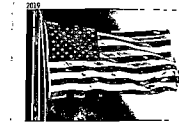
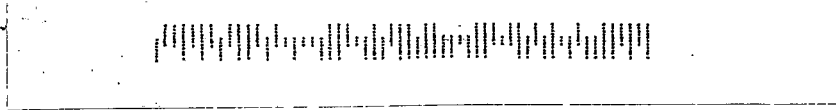
Environmental Services Co., Inc.

1044283  
36319  
Kristin Mullins



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

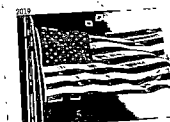
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 **NWA Utility Services Inc**  
**PO Box 9299**  
**Fayetteville, AR 72703**

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