

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

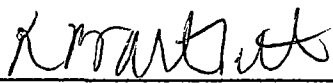
FACILITY NAME (IF DIFFERENT)
Waterford Estates at Hissom Ranch
FACILITY ADDRESS
2323 Bowen Blvd Fayetteville AR 72703

PERMIT NO.
4815-WR-5

AFIN NO.
72-00974

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
4/1/2021	4/31/2021

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	01.063,914	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maxlmun	REPORT	0.045,022	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	10.1	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	21.1	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	31	colonies/100ml		
pH	6.0 - 9.0	7.6	s.u.		
Total Phosphorus (TP)	REPORT	8.42	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	69.4	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	66.4	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	0.67	mg/l		
Plant Available Nitrogen (PAN)	REPORT	68	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	5/14/2021
TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>)				

APRIL 2021 WATERFORD ESTATES LOADING RATES

Daily Max

45,022

Zone Identification

GPD/sq 2

Zone 1A

3,350

Zone 1B

3,792

Zone 2A

3,792

Zone 2B

3,350

Zone 3A

3,792

Zone 3B

3,792

Zone 4A

3,792

Zone 4B

3,792

Zone 5A

3,939

Zone 5B

3,978

Zone 6A

3,939

Zone 6B

3,713

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: 2104020177

Customer Name : WATERFORD UTILITY, LLC

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

Report Date : 04/30/21

Sample Date : 04/22/21

Sample Time : 0830

Sample Type : GRAB

Sample From : EFFLUENT

Collected By: HNS

Delivery By : HNS

Work Order :

Purchase Order :

Laboratory Analysis						Quality Assurance		
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
04/26	1250	HNS	Ammonia as N, (HACH 10205)	66.40 mg/L		SM 2011 4500-NH3 F	2.87	100.0 *
04/30	1000	TWM	Total Kjeldahl Nitrogen	69.4 mg/L		02/2014 HACH 10242	0.68	101.0 *
04/22	0835	HNS	pH	7.6 S.U.		SM 2011 4500-H+ B	0.00	N/A *
04/26	1130	HNS	Phosphorous, Total (as P)	8.42 mg/L		EPA 365.3	2.74	101.0 *
04/26	1050	HNS	Solids, Total Suspended	21.1 mg/L		SM 2011 2540 D	66.67	N/A *
04/22	1645	HNS	Fecal Coliform (MPN/100mL)	31.0 /100ml		06/2012 Colilert18	1.94	N/A *
04/22	1745	NTR	BOD, Carbonaceous	10.1 mg/L		SM 2001 5210 B	33.96	105.3 *
04/26	1340	HNS	Nitrate + Nitrite	0.67 mg/L		01/2013 HACH 10206	2.02	101.0 *
04/30	1340	TWM	Nitrogen, Plant Available	68.0 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

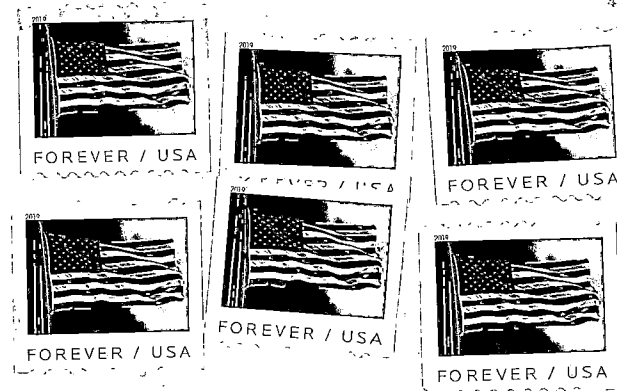
Environmental Services Co., Inc.


OR 1,003,914
45022

ESG

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**