

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

PERMITTEE NAME
Benton County, Arkansas Suburban Sewer District No 1 Villages of Cross Creek
PERMITTEE ADDRESS
PO Box 9299 Fayetteville AR 72703

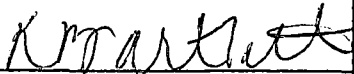
FACILITY NAME (IF DIFFERENT)
Villages of Cross Creek
FACILITY ADDRESS
3302 N Dixieland Rd Little Flock AR

PERMIT NO.
4811-WR-4

AFIN NO.
04-00899

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	0.472,077	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.022,569	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	8.4	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	22	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	284.5	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	6.94	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	58.3	mg/l		
Ammonia Nitrogen	REPORT	42.2	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	0.38	mg/l		
Plant Available Nitrogen (PAN)	REPORT	47.4	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
			(479) 530-5926	5/14/2021
TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)				

APRIL 2021 VILLAGES OF CROSS CREEK LOADING RATES

Daily Max	22,569
Zone Identification	GPD/sq 2
1	2574
2	2574
3	2574
4	2574
5	2574
6	2574
7	2415
8	2227
9	Not used
10	Combined with 8
11	2,483
12	Not used
13	Not used
14	Not used
15	Not used
16	Not used
17	Not used

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: 2104020196
 Customer Name : DIXIELAND UTILITY LLC
 Customer/Permit No. : 1698 / 4811-WR-4 001
 Report Date : 05/05/21

Sample Date : 04/29/21
 Sample Time : 1242
 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
05/03	1300	HNS	Ammonia as N, (HACH 10205)	42.20 mg/L			SM 2011 4500-NH3 F	1.49	100.0 *
04/30	1000	TWM	Total Kjeldahl Nitrogen	58.3 mg/L			02/2014 HACH 10242	0.68	101.0 *
04/29	1245	HNS	pH	7.2 S.U.			SM 2011 4500-H+ B	0.00	N/A
05/04	1200	HNS	Phosphorous, Total (as P)	6.94 mg/L			EPA 365.3	2.75	101.0 *
05/03	0930	HNS	Solids, Total Suspended	22.0 mg/L			SM 2011 2540 D	0.54	N/A *
04/29	1620	HNS	Fecal Coliform (MPN/100mL)	284.5 /100mL			06/2012 Colilert18	0.00	N/A *
04/30	1530	TWM	BOD, Carbonaceous	8.4 mg/L			SM 2001 5210 B	0.00	76.0 *
05/03	1130	HNS	Nitrate + Nitrite	0.38 mg/L			01/2013 HACH 10206	2.98	106.2 *
05/05	1150	TWM	Nitrogen, Plant Available	47.4 mg/L			SM 1997 4500-N		

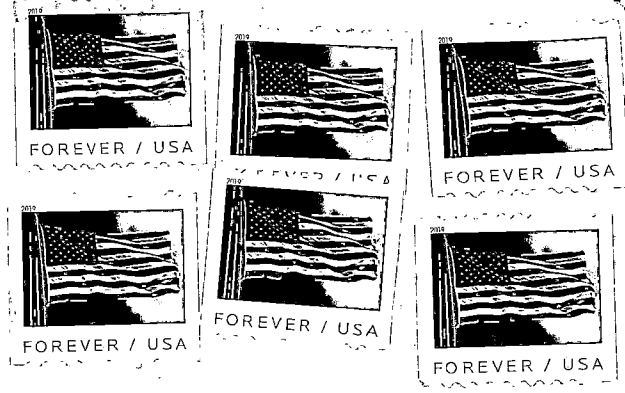
* QA data shown is from a different sample or standard on the same date.


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.

472077 22569



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

ADEQ
WATER DIVISION/PERMITS BRANCH
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N Little Rock, AR 72118-5317