

**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


7/1/2019

MM/DD/YYYY

7/31/2019

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.632092	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.021756	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	5.5	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	17.6	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	22	colonies/100ml		
pH	6.0 - 9.0	7.3	s.u.		
Total Phosphorus (TP)	REPORT	6.78	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	37.2	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	32.5	mg/l		
Nitrate Nitrogen (NO <sub>3</sub> -N) + Nitrite Nitrogen (NO <sub>2</sub> -N)	REPORT	6.77	mg/l		
Plant Available Nitrogen (PAN)	REPORT	50.4	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft <sup>2</sup>	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	8/7/2019
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

July 2019 VILLAGES OF CROSS CREEK LOADING RATES Max day 21,756

Zone Identification	GPD/sq 2
1	2,458
2	2,458
3	2,458
4	2,458
5	2,458
6	2,458
7	2,915
8	3,394
9	Not used
10	Combined with 8
11	2,872
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: 1907020077  
 Customer Name : DIXIELAND UTILITY LLC  
 Customer/Permit No. : 1698 / 4811-WR-4 001  
 Report Date : 07/26/19

Sample Date : 07/19/19  
 Sample Time : 1520  
 Sample Type : GRAB  
 Sample From : DOSE TANK EFFLUENT

Collected By: JEW  
 Delivery By : JEW  
 Work Order :  
 Purchase Order :

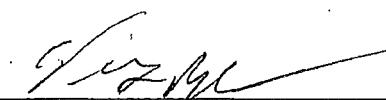
### Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
07/19	1200	TSB	Ammonia as N, (HACH 10205)	32.50 mg/L			SM 2011 4500-NH3 F	0.53	98.0 *
07/23	0900	TSB	Total Kjeldahl Nitrogen	37.2 mg/L			02/2014 HACH 10242	5.71	99.6 *
07/19	1520	JEW	pH	7.3 S.U.			SM 2011 4500-H+ B	0.00	N/A *
07/23	1200	TSB	Phosphorous, Total (as P)	6.780 mg/L			EPA 365.3	0.00	103.0 *
07/25	1200	TSB	Solids, Total Suspended	17.6 mg/L			SM 2011 2540 D	7.59	N/A *
07/19	1650	TSB	Fecal Coliform (MPN/100mL)	21.8 /100ml			06/2012 Colilert18	0.00	0.0 *
07/19	1700	TSB	BOD, Carbonaceous	5.5 mg/L			SM 2001 5210 B	6.87	88.0 *
07/23	0900	TSB	Nitrate + Nitrite	6.77 mg/L			01/2013 HACH 10206	1.20	97.0 *
07/23	1545	TSB	Nitrogen, Plant Available	50.4 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.

