

**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
4/1/2017	4/30/2017

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.610111	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.028928	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	17.5	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	27	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	7,300	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	6.6	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	39.8	mg/l		
Ammonia Nitrogen	REPORT	34.3	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	2.4	mg/l		
Plant Available Nitrogen (PAN)	REPORT	38.4	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	5/9/2017 MM/DD/YYYY

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

April 2017 VILLAGES OF CROSS CREEK LOADING RATES 28,928 Max

Zone Identification	GPD/sq 2
1	6,659
2	6,659
3	6,659
4	6,659
5	6,659
6	6,659
7	3,876
8	4,513
9	Not used
10	Combined with 8
11	3.818
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: 1704020160	Sample Date : 04/14/17	Collected By: AEU
Customer Name : DIXIELAND UTILITY LLC	Sample Time : 1428	Delivery By : AEU
Customer/Permit No. : 1698 / 4811-WR-4 001	Sample Type : GRAB	Work Order :
Report Date : 04/20/17	Sample From : DOSE TANK EFFLUENT	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
04/14	1430	TSB	Ammonia Nitrogen	34.3 mg/L		SM 1997 4500-NH3 F	0.00	99.6 *
04/20	0900	TSB	Total Kjeldahl Nitrogen	39.80		02/2014 HACH 10242	1.45	102.0
04/14	1432	AEU	pH	7.2 S.U.		SM 2000 4500-H+ B	0.00	N/A *
04/17	1300	TSB	Phosphorous, Total (as P)	6.6 mg/L		EPA 365.3	1.26	101.2 *
04/20	1050	JCB	Solids, Total Suspended	27.0 mg/L		SM 1997 2540 D	0.00	N/A *
04/14	1630	AEU	Coliform, Fecal	7300 /100ml		SM 9222 D 1997	0.00	N/A *
04/14	1400	TSB	BOD, Carbonaceous	17.5 mg/L		SM 2001 5210 B	3.20	97.3 *
04/18	0900	TSB	Nitrate + Nitrite	2.4 mg/L		SM 2000 4500-NO3 E	3.45	98.8 *
04/20	1600	TSB	Nitrogen, Plant Available	38.4 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 Richard Brown
 Environmental Services Co., Inc.

