

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

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

<b>FACILITY NAME (IF DIFFERENT)</b>
Villages of Cross Creek

<b>PERMIT NO.</b>
4811-WR-4


<b>FACILITY ADDRESS</b>
3302 N Dixieland Rd Little Flock AR

<b>AFIN NO.</b>
04-00899

<b>WASTEWATER EFFLUENT MONITORING PERIOD</b>		
MM/DD/YYYY		MM/DD/YYYY
112/1/2016		12/31/2016

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.564771	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.020303	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	7	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	14.5	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	8	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	5.8	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	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</b> <b>EXECUTIVE OFFICER OR</b> <b>AUTHORIZED AGENT</b>	TELEPHONE	DATE
			(479) 530-5926	1/10/2016
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

VILLAGES OF CROSS CREEK LOADING RATES

Zone Identification	GPD/sq 2
1	2,294
2	2,294
3	2,294
4	2,294
5	2,294
6	2,294
7	2,721
8	3,167
9	Not used
10	Combined with 8
11	2,680
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: 1612020139  
 Customer Name : DIXIELAND UTILITY LLC  
 Customer/Permit No. : 1698 / 4811-WR-4 001  
 Report Date : 12/20/16

Sample Date : 12/09/16  
 Sample Time : 1435  
 Sample Type : GRAB  
 Sample From : DOSE TANK EFFLUENT

Collected By: AU  
 Delivery By : AU  
 Work Order :  
 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>
12/09	1438	AEU	pH	7.2 S.U.		SM 2000 4500-H+ B	0.00	N/A *
12/19	1300	TSB	Phosphorous, Total (as P)	5.8 mg/L		EPA 365.3	1.83	101.9 *
12/16	0915	JCB	Solids, Total Suspended	14.5 mg/L		SM 1997 2540 D	18.18	N/A *
12/09	1630	AEU	Coliform, Fecal	8 /100ml		SM 9222 D 1997	50.00	N/A *
12/09	1200	TSB	BOD, Carbonaceous	7.8 mg/L		SM 2001 5210 B	6.26	93.2 *

\* 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.

