

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

<b>PERMIT NO.</b> 4811-WR-4
<b>AFIN NO.</b> 04-00899

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
3/1/2017	3/31/2017

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.692226	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.025894	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	6.2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	90	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	10	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	7.5	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  Kathy Bartlett  TYPED OR PRINTED	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
			(479) 530-5926	4/13/2017  MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*) We pumped accumulated solids pump tank back to main settling tanks to be reprocessed. We also increased our recycle rate from the treatment plant clarifiers to transfer more solids back to settling tank(s). We feel this should help our TSS. We will monitor and report next month.

VILLAGES OF CROSS CREEK LOADING RATES March 2017

Zone Identification	GPD/sq 2
1	2,926
2	2,926
3	2,926
4	2,926
5	2,926
6	2,926
7	3,470
8	4,039
9	Not used
10	Combined with 8
11	3,418
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: 1703020123  
 Customer Name : DIXIELAND UTILITY LLC  
 Customer/Permit No. : 1698 / 4811-WR-4 001  
 Report Date : 03/16/17

Sample Date : 03/10/17  
 Sample Time : 1255  
 Sample Type : GRAB  
 Sample From : EFFLUENT

Collected By: JCB  
 Delivery By : JCB  
 Work Order :  
 Purchase Order :

### Laboratory Analysis

#### Analysis

Date	Time	By	Parameter	Result	Notes	Quantity	Method
03/10	1255	JCB	pH	7.2	S.U.		SM 2000 4500-H+ B
03/13	1500	TSB	Phosphorous, Total (as P)	7.5	mg/L		EPA 365.3
03/15	1510	AEU	Solids, Total Suspended	90.0	mg/L	(b)	SM 1997 2540 D
03/10	1520	AEU	Coliform, Fecal	10	/100ml		SM 9222 D 1997
03/10	1400	TSB	BOD, Carbonaceous	6.2	mg/L		SM 2001 5210 B

### Quality Assurance

Precision	Accuracy
% RPD	% Recovery
0.00	N/A *
0.00	102.9 *
29.63	N/A *
0.00	N/A *
0.44	81.0 *

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

(b) Exceeds Permit Limits for Maximum Concentration

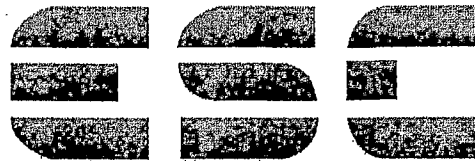
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

Phone: 479-750-1170 Fax: 479-750-1172

### CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters											
Company Name: Dixieland Utility LLC.				Permit/Project #:						pH(23)	Phos(25), NH <sub>3</sub> -N(15.A)	TKN(16.A)N+N(91)	CBOD(70), TSS(28), PAN(99.99)	Fecal Coliform(43)							
Address: 3302 N. Dixieland				Purchase Order #:																	
Rogers AR				Sampler Name(s): <i>John Byrd</i>																	
Telephone: (479)936-0333 (Cell)				and Signature(s): <i>John Byrd</i>																	
Telephone:																					
ESC Client Number: 1698																					
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Dose Tank/Effluent	1703020123	3/10/17	1255	GRAB	Water	tellon	150 ml	none	1	x											
				GRAB	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH<2	1		x	x									
				GRAB	Water	Plastic	1 qt	none/ice	1				x								
				GRAB	Water	Whirlpak	300ml	NaS <sub>2</sub> O <sub>4</sub>	1					x							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used? <input checked="" type="checkbox"/>		Intact? <input type="checkbox"/>									
<i>John Byrd</i> John Byrd		3/10/17	1415					Turnaround:		Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>									
				<i>Amber Underwood</i>		3/10/17	1415														
Comments:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units									
				Analyst:		pH:		1255	JCB	7.2	7.2	°C									
				Time:		Temp.:				19.9	19.9	°F									
				Reading:		DO:															
				Units:		Debris:															
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page <u>1</u> of <u>1</u>											