

**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 9/1/2016	MM/DD/YYYY 9/30/2016

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.587728	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.027358	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	3.3	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	14	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	< 2	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	6	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	

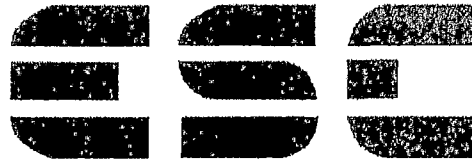
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	10/10/2016
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	3,091
2	3,091
3	3,091
4	3,091
5	3,091
6	3,091
7	3,666
8	4,268
9	Not used
10	Combined with 8
11	3,611
12	Not used
13	Not used
14	Not used
15	Not used
16	Not used
17	Not used

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 ₃ -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	1609020115	9/16/16	1450	GRAB	Water	teflon	150 ml	none	1	x												
				GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		x	x										
				GRAB	Water	Plastic	1 qt	none/ice	1				x									
				GRAB	Water	Whirlpak	300ml	NaS ₂ O ₄	1					x								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:														
<i>John Byrd</i> John Byrd		9/16/16	1600	<i>Richard Brown</i> RICHARD BROWN		9/16/16	1600	Used? <input checked="" type="checkbox"/>		intact? <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	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:														
				<i>Richard Brown</i> RICHARD BROWN		9/16/16	1600	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>												
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units										
						Analyst:	pH:	1450	JCB	7.21	7.23											
						Time:	Temp.:	✓	✓	26.0	26.0	°F										
						Reading:	DO:															
						Units:	Debris:															
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1												

Environmental Services Company, Inc.

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 13715 West Markham
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Northwest Arkansas Branch
 1107 Century Avenue
 Springdale, AR 72762
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1609020115
 Customer Name : DIXIELAND UTILITY LLC
 Customer/Permit No. : 1698 / 4811-WR-4 001
 Report Date : 09/21/16

Sample Date : 09/16/16
 Sample Time : 1450
 Sample Type : GRAB
 Sample From : DOSE TANK EFFLUENT

Collected By: JB
 Delivery By : JB
 Work Order :
 Purchase Order :

Laboratory Analysis

<u>Analysis</u>			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
09/16	1450	JCB	pH	7.2	S.U.		SM 2000 4500-H+ B	1.36	N/A *
09/20	0930	TSB	Phosphorous, Total (as P)	6.0	mg/L		EPA 365.3	0.00	102.4
09/20	1410	AEU	Solids, Total Suspended	14.0	mg/L		SM 1997 2540 D	0.00	N/A *
09/16	1615	AEU	Coliform, Fecal	< 2	/100ml		SM 9222 D 1997	66.67	N/A *
09/16	1400	TSB	BOD, Carbonaceous	3.3	mg/L		SM 2001 5210 B	11.07	104.1 *

* 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.