

**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
5/1/2018	5/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.597691	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.022427	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	8.8	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	22.6	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	20	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	7	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l		
Ammonia Nitrogen	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l	Daily	
Loading Rate	REPORT	See Attached	gpd/ft ²		

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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			(479) 530-5926	6/7/2018 MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>)				

May 2018 VILLAGES OF CROSS CREEK LOADING RATES 22,427 Max Day

Zone Identification	GPD/sq 2
1	2,534
2	2,534
3	2,534
4	2,534
5	2,534
6	2,534
7	3,005
8	3,499
9	Not used
10	Combined with 8
11	2,960
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: 1805020128	Sample Date : 05/11/18	Collected By: AEU
Customer Name : DIXIELAND UTILITY LLC	Sample Time : 1522	Delivery By : AEU
Customer/Permit No. : 1698 / 4811-WR-4 001	Sample Type : GRAB	Work Order :
Report Date : 05/17/18	Sample From : DOSE TANK EFFLUENT	Purchase Order :

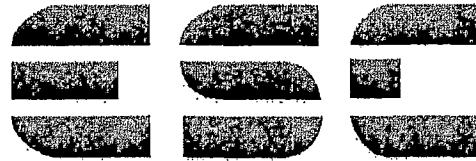
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
05/11	1526	AEU	pH	7.2 S.U.		SM 2000 4500-H+ B	0.00	N/A
05/15	1000	TSB	Phosphorous, Total (as P)	7.0 mg/L		EPA 365.3	0.00	100.8 *
05/15	1030	JCB	Solids, Total Suspended	22.6 mg/L		SM 1997 2540 D	13.44	N/A *
05/11	1710	AEU	Coliform, Fecal	20 /100ml		SM 9222 D 1997	28.81	N/A *
05/11	1400	VLP	BOD, Carbonaceous	8.8 mg/L		SM 2001 5210 B	4.29	101.3 *

* 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.

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)	CBOD(70), TSS(28)	Fecal Coliform(43)								
Address: 3302 N. Dixieland				Purchase Order #: _____																		
Rogers AR				Sampler Name(s): <i>Amber Underwood</i>																		
Telephone: (479)936-0333 (Cell)				and Signature(s): <i>[Signature]</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	<i>190320128</i>	<i>5/11/18</i>	<i>1522</i>	GRAB	Water	teflon	150 ml	none	1	X												
	<i>I</i>	<i>I</i>	<i>I</i>	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		X											
				GRAB	Water	Plastic	1 qt	none/ice	1			X										
				GRAB	Water	Whirlpak	300ml	Na ₂ O ₄	1				X									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:		Used?	Intact?										
<i>[Signature]</i>		<i>5/11/18</i>	<i>1605</i>	<i>[Signature]</i>					Turnaround:		Regular	Special										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:		Yes	No										
<i>[Signature]</i>				<i>[Signature]</i>			<i>5/11/18</i>	<i>16.05</i>	Yes		X											
Comments:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units										
				Analyst:		pH:		<i>1526</i>	<i>APU</i>	<i>7.2</i>	<i>7.2</i>											
				Time:		Temp.:		<i>I</i>	<i>L</i>	<i>52.1</i>	<i>52.1</i>	<i>°C</i>										
				Reading:		DO:																
				Units:		Debris:																
Cool all samples to 6 degrees C.							Chlorinated? Yes No			This Document is Page <i>L</i> of <i>L</i>												