

**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
4/1/2019		4/30/2019

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.588616	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.025262	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	4.1	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	26.9	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	131	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	4.75	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	27.6	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	25.5	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	1.88	mg/l		
Plant Available Nitrogen (PAN)	REPORT	28	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			(479) 530-5926	5/2/2019 MM/DD/YYYY

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

April 2019 VILLAGES OF CROSS CREEK LOADING RATES Max Day 25,262 Gal

Zone Identification	GPD/sq 2
1	2,855
2	2,855
3	2,855
4	2,855
5	2,855
6	2,855
7	3,385
8	3,941
9	Not used
10	Combined with 8
11	3,335
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: 1904020086
 Customer Name : DIXIELAND UTILITY LLC
 Customer/Permit No. : 1698 / 4811-WR-4 001
 Report Date : 04/17/19

Sample Date : 04/12/19
 Sample Time : 1416
 Sample Type : GRAB
 Sample From : DOSE TANK EFFLUENT

Collected By: NTR
 Delivery By : NTR
 Work Order :
 Purchase Order :

Laboratory Analysis

Analysis		Laboratory Analysis				Quality Assurance		
Date	Time By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
04/12	1500 AKA	Ammonia as N, (HACH 10205)	25.50 mg/L			SM 2011 4500-NH3 F	0.19	97.2 *
04/15	1145 AKA	Total Kjeldahl Nitrogen	27.6 mg/L			02/2014 HACH 10242	6.45	97.3 *
04/12	1418 NTR	pH	7.4	S U		SM 2000 4500-H+B	0.00	N/A *
04/16	1100 AKA	Phosphorous, Total (as P)	4.750 mg/L			EPA 365.3	5.81	109.0 *
04/16	0900 TSB	Solids, Total Suspended	26.9 mg/L			SM 2011 2540 D	3.51	N/A *
04/12	1650 AKA	Fecal Coliform (MPN/100mL)	131.4 /100ml			06/2012 Colilert18	0.00	0.0 *
04/12	1400 TSB	BOD, Carbonaceous	4.1 mg/L			SM 2001 5210 B	12.27	85.0 *
04/16	0930 AKA	Nitrate + Nitrite	1.88 mg/L			01/2013 HACH 10206	0.00	104.6 *
04/16	1145 AKA	Nitrogen, Plant Available	28.0 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 _____


 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 ₃ -N(15.A)	s-TKN(16.CJN+N(91)	CBOD(70)	TSS(28)	PAN(99.99)	Fecal Coliform(43.IF)
Address: 3302 N. Dixieland				Purchase Order #:													
Rogers AR				Sampler Name(s): Ned Ryerson													
Telephone: (479)936-0333 (Cell)				and Signature(s): Ned Ryerson													
Telephone:																	
ESC Client Number: 1698																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
Dose Tank/Effluent	1904020026	4-12-19	1416	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	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?						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	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						
Comments:		4-12-19 1530		Ned Ryerson		4-12-19 1530		Damar Brooks, Camera Photo									
		FLOW DATA		Field Test		Time	Analyst	Result	Result	Units							
		Analyst:		pH:		1413	NTU	7.4	7.8	S.U.							
		Time:		Temp.:		1413	NTU	21.0	21.6	(C) °F							
		Reading:		DO:													
		Units:		Debris:													
Cool all samples to 6 degrees C.						Chlorinated? Yes No			This Document is Page 1 of 1								