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

PERMITTEE NAME			PERMIT NO. 4811-WR-4							
Benton County, Arkansas Suburban Sewer District			Villages of Cross Creek							
No 1 Villages of Cross Creek  PERMITTEE ADDRESS  PO Box 9299  Fayetteville AR 72703				<b>AFIN NO.</b> 04-00899						
		WAS	DD OD							
		MM/DD/YYYY 4/1/2017								
TREATED WASTEWATER EFFLUE	NT SAMPLING			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
PARAMETER	•	Limit	Sample Measurement	UNITS	Monitoring	Reporting				
Flow, Monthly total	<u></u>	REPORT	0.610111	MG	Total Flow per calendar month					
Flow, daily maximun		REPORT	0.028928 MGD		Dally					
Carbonaceous Blochemical Oxygen Demand (CBOD5)		30 17.5 mg/l								
Total Suspended Solids (TSS)		30	27	mg/l						
Fecal Coliform Bacteria (FCB)		10,000	7,300	colonies/100ml	Grab Sample once per month					
рН		6,0 - 9,0	7.2	s.u.		Prior to the 15th of the				
Total Phosphorus (TP)		REPORT	6.6	mg/l		following Month				
Total Kjeldahl Nitrogen (TKN)		REPORT	39.8	mg/l						
Ammonia Nitrogen		REPORT	34.3	mg/l	Grab sample once per quarter					
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)		REPORT	2.4	mg/l	Glab sample once per quarter					
Plant Available Nitrogen (PAN)		REPORT	38.4	mg/l						
Loading Rate		REPORT	See Attached	gpd/ft 2	Daily					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONALI	LY EXAMINED AND AM WITH TH	HE INFORMATION	2, , ,	TELEPHONE	DATE			
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE	emely begin							
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTE	D INFORMATION IS TRUE, A	SIGNATURE OF PRINCIPAL		5/9/2017				
Kathy Bartlett	COMPLETE. 1 AM AW	ARE THAT THERE ARE SIGNIFICANT PEN	IALTIES FOR SUBMITTING FALS	EXECUTIVE OFFICER OR	5926					
TYPED OR PRINTED  COMMENTS AND EXPLANATION O	AUTHORIZED AGENT		MM/DD/YYYY							

April 2017 VILLAGES OF CROSS CREEK LOADING RATES 28,928 Max							
Zone Identification	GPD/sq 2						
1	6,659						
2	6,659						
3	6,659						
4	6,659						
5	6,659						
6	6,659						
7	3,876						
8	4,513						
9	Not used						
10	Combined with 8						
11	3.818						
12	Not used						
13	Not used						
14	Not used						
15	Not used						
16	Not used						
17	Not used						

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## 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: 1704020160

Customer Name : DIXIELAND UTILITY LLC

Customer/Permit No. : 1698 / 4811-WR-4 001

Report Date : 04/20/17

Sample Date : 04/14/17

Sample Time : 1428 Sample Type : GRAB

Sample From : DOSE TANK EFFLUENT

Collected By: AEU Delivery By : AEU

Work Order :

Purchase Order :

	Quality Assurance					
Analysis				i	Precision	Accuracy
Date Time By	Parameter	Result Note:	s <u>Quantity</u>	<u> Method</u>	_ % RPD	% Recovery
04/14 1430 TSB	Ammonia Nitrogen	34.3 mg/L,		SM 1997 4500-NH3 F	0.00	99.6 *
04/20 0900 TSB	Total Kjeldahl Nitrogen	39.80		02/2014 HACH 10242	1.45	102.0
04/14 1432 AEU	рН	7.2 S.U.		SM 2000 4500-H+ B	0.00	N/A *
04/17 1300 TSB	Phosphorous, Total (as P)	6.6 mg/L		EPA 365.3	1.26	101.2 *
04/20 1050 JCB	Solids, Total Suspended	27.0 mg/L		SM 1997 2540 D	0.00	N/A *
04/14 1630 AEU	Coliform, Fecal	7300 /100ml		SM 9222 D 1997	0.00	N/A *
04/14 1400 TSB	BOD, Carbonaceous	17.5 mg/L		SM 2001 5210 B	3.20	97.3 *
04/18 0900 TSB	Nitrate + Nitrite	2.4 mg/L		SM 2000 4500-NO3 E	3.45	98.8 *
04/20 1600 TSB	Nitrogen, Plant Available	38.4 mg/L		SM 1997 4500-N		

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.

Environmental Services Co., Inc.

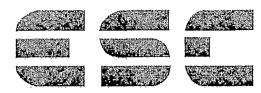
<sup>\*</sup> QA data shown is from a different sample or standard on the same date.

## Environmental Services Company, Inc. Northwest Arkansas 1107 Century Street Springdale, Arkansas 72762

Fax: 479-750-1172

website: www.esclabs.com

Phone: 479-750-1170



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

> Carlsbad, New Mexico 575-887-1ESC

## **CHAIN OF CUSTODY**

Client Information			Project Information					Requested Parameters										
Company Name:	Dixieland Utility LLC.			Permit/Project #:														
Address:			Purchase	Purchase Order #:					<u> </u>	1			6					
Rogers AR						1 /11		_7					CBOD(70), TSS(28),PAN(99.99)					
Telephone:	(479)936-0333	(Cell)		Sampler Name(s):		ØM.	1021 I IV	Ylliva		/_	b	5.A		AN(	<u> </u>			
Telephone:		\	<del> </del>	1			A CALL				1/	N N	1	8),P	43)			
Tolophono.				and Signature(s):		7/0	10-11-				1	Ĭ.	6)N	35(2	Ē			
ESC Client Number:	1698			Jana Oigila	tu. 0(0).	- Alleria	with the dieter				1	2	*	1 4	<u>[</u>			
Sample Ide		AND DESCRIPTION OF THE PERSON	Sample	Collection			Sample Containers				ନ୍ତ	Phos(25), NH <sub>3</sub> -N(15.A)	TKN(16.A)N+N(91)	2	ecal Coliform(43)			
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	T	-	#	pH(23)	ğ	KN	l i i	eca			
	1201(2010)	4/14/17	14,28	· · · · · · · · · · · · · · · · · · ·					ilive			14-	+-	10	II.		-	
Dose Tank/Effluent	1-01000100	9//1/11	1900	GRAB	Water	teflon	150 ml	none		1	×	┼─	╫	├				
			<del> </del>	GRAB	Water	Plastic	8 oz	H₂SO₄,pH<	2	1		X	X	<del> </del>				
	<u> </u>			GRAB	Water	Plastic	1 qt	none/ice		1	ļ		—	X				
				GRAB	Water	Whirlpak	300ml	NaS2O4		1_		<u> </u>	<u> </u>	<u> </u>	Х			
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	,												·					
Relinquisted By: (Signature and Prints	ed Name)	Date	15/10	Received By: (Signature and Printed Name)				Date	Tim	10		ody Se	eals;					
Relinguished By: (Signature and Printed Name)  Relinguished By: (Signature and Printed Name)  Relinguished By: (Signature and Printed Name)  Date  Time			Received By: (Signature and Printed Name)				Date	Tim	18	Used	i? around	<u> </u>	<u> </u>	Intac	:17			
are iniquising by. (Signature and France Name)									110	Regu		X	Ī	Spe	cial			
Relinquished By: (Signature and Printed Name) Date Time			Received for Leb By: (Signeture and Printed Name Richard Brown RicHARD		Date 4-14-17		Tim 1510	e We		ere samples prop		operly	perly preserved:					
Comments:			Inapara	FLOW D	ATA	Field Test			Analyst Res				ult	Units				
					Analyst;		pH:	1432	AEU 7		97	12	7.2				_	
					Time:		Temp.:	1			29	12	ΩU.		(c)		°F	
					Reading: Units:		DO: Debris:	<del> </del>					$\vdash$					
Cool all samples to 6 degrees C.					o into	-	Chlorinated	II I? Yes No	0		This	s Doc	cume	nt is	Pag	e l	of 1	