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

PERMITTEE NAME		3 7	H V B J J J J J J J J J J J J J J J J J J	F	PERMIT NO. 4811-WR-4			
Benton County, Arkansas Suburban No 1 Villages of Cross Cr			Villages of Cross (creek		L	4811-VVR-4	
PERMITTEE ADDRES			E	AFIN NO.				
PO Box 9299				04-00899				
Fayetteville AR 72703								
		WASTE	WATER EFFLUENT MO	NITORING PERI				
		MM/DD/YYYY			MM/DD/YYYY			
		4/1/2018			4/30/2018	j	_	
TREATED WASTEWATER EFFLUE	NT SAMPLING					1		
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Re	porting	
Flow, Monthly total		REPORT	0.563401	MG	Total Flow per calendar month			
Flow, daily maximun		REPORT	0.021286	MGD	Daily			
Carbonaceous Blochemical Oxygen Demand (CBOD5)		30	25.1	mg/l				
Total Suspended Solids (TSS)		30	16	mg/l				
Fecal Coliform Bacteria (FCB)		10,000	7,000	colonies/100ml	Grab Sample once per month			
рН		6.0 - 9.0	7.3	s.u.		1	he 15th of the	
Total Phosphorus (TP)		REPORT	6.6	mg/l		follow	ing Month	
Total Kjeldahl Nitrogen (TKN)	Total Kjeldahl Nitrogen (TKN)		42.8	mg/ł				
Ammonia Nitrogen		REPORT	42.7	mg/l	Grab sample once per quarter			
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)		REPORT	2.8	mg/l				
Plant Available Nitrogen (PAN)		REPORT	45,5	mg/l				
Loading Rate		REPORT	See Attached	gpd/ft 2	Daily			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PEI	NALTY OF LAW THAT I HAVE PERSONALLY	EXAMINED AND AM WITH THE	HE INFORMATION	1 1 97		TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE IN	NDIVIDUALS IMMEDIATELY RE	SPONSIBLE FOR	Jamet depend	-		4:-:
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTED	L	(479) 530-	5/6/2018			
Kathy Bartlett	COMPLETE. I AM AWA	ARE THAT THERE ARE SIGNIFICANT PENA	EXECUTIVE OFFICER OR	.	5926			
TYPED OR PRINTED INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.								MM/DD/YYYY
COMMENTS AND EXPLANATION C	F VIOLATIONS (Re	eference all attachments here)						
i								

2016 VILLAGES OF CROSS CREE	K LOADING RATES 21,286 Max Day
Zone Identification	- GPD/sq 2
1	2,405
2	2,405
3	2,405
4	2,405
5	2,405
6	2,405
7	2,852
8	3,321
9	Not used
10	Combined with 8
11	2,810
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: 1804020153 Customer Name : DIXIELAND UTILITY LLC

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

Report Date : 04/19/18

Sample Date : 04/13/18 Sample Time: 1215

Sample Type : GRAB DIXIELAND

Sample From : DOSE TANK EFFLUEN

Delivery By : JCB Work Order : Purchase Order :

Collected By: JCB

	Quality A	ssurance			
Analysis				Precision	Accuracy
Date Time By	Parameter	Result Notes O	uantity Method	% RPD	% Recovery
04/13 1145 TSB	Ammonia Nitrogen	42.7 mg/L	SM 1997 4500-NH3 F	0.00	103.0 *
04/17 0800 TSB	Total Kjeldahl Nitrogen	42.8 mg/L	02/2014 HACH 10242	2.30	110.0 *
04/13 1215 JCB	рН	7.3 S.U.	SM 2000 4500-H+ B	0.00	N/A *
04/16 1200 AEU	Phosphorous, Total (as P)	6.6 mg/L	EPA 365.3	0.00	109.0 *
04/18 1430 CLS	Solids, Total Suspended	16.0 mg/L	SM 1997 2540 D	9.52	N/A *
04/13 1630 AEU	Coliform, Fecal	7000 /100ml	SM 9222 D 1997	8.22	N/A *
04/13 1400 TSB	BOD, Carbonaceous	25.1 mg/L	SM 2001 5210 B	3.37	100.0 *
04/16 1430 TSB	Nitrate + Nitrite	2.8 mg/L	01/2013 HACH 10206	0.00	96.2 *
04/17 1600 TSB	Nitrogen, Plant Available	45.5 mg/L	SM 1997 4500-N		
04/13 1215 JCB	Sample Collection/Travel	1 each			

* 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.

nvironmental 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

CHAIN OF CUSTODY

Phone: 479-750-1170	Fax: 479-750-1172		CI	TAIN C	of Cu	SIO	JY											
Client Information				Project Information						Requested				Par	ame	eters	;	
Company Name: Dixieland Utility LLC.			Permit/Project #:							ŀ								
Address:	ddress: 3302 N. Dixieland			Purchase	Purchase Order #:									6				
-	Rogers AR			-: 0 /								99.6						
Telephone:	(479)936-0333	(Cell)		Sampler Name(s): 50/			In Blood					5.A		AN(
Telephone:				1		la la	loh. I by				Ž	(91)	8,P	43)				
				and Signa	and Signature(s):		prina y gran				ļ	Ę	N+	2)\$(2	Ë			
ESC Client Number:	1698				and digitatore(s).		-				ŀ	2	5	I.	lifo!			
Sample Ide		Sample Collection				Sample Containers				<u>(6)</u>	325	91)	2	၂				
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume			#	pH(23)	Phos(25), NH ₃ -N(15.A)	s-TKN(16.C)N+N(91)	CBOD(70), TSS(28),PAN(99.99)	-ecal Coliform(43)			
Dose Tank/Effluent	1804020153	4/13/18	215	GRAB	Water	teflon	150 ml	none		1	×		, <u></u>	Ť				
`	100-1010		1	GRAB	Water	Plastic	8 oz	H₂SO₄,pH<	2	1		x	x					
 	 			GRAB	Water	Plastic	1 qt	none/ice		1				x	\vdash			_
		1		GRAB	Water	Whirlpak	300ml	NaS2O4		1					×			
	-			GIVAD	VVBICI	vviiiipak	300/111	7440204							广			
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Relipquished By: (Signature and Printed Name) Low Bull John By A 4 13/18 1255		Time 1255	Received By: (Signature and Printed Name) Date Time			10	Custody Seals: Used? // Intact?											
Relinquished By (Signature and Printed Name) Date Time				Received By: (Signature and Printed Name)			······································	Date				naround:						
Relinguished By: (Signature and Printed Name) Date Time		Received for Lab	Received for Lab By (Signature and Printed Name)			/ Date				egular X			Special preserved:					
		Cal	7416740			Underwa 411318 1955			Yes 📉				No					
Comments:					FLOW DATA Field 1						Result Result				Units			
					Analyst: Time:		pH: Temp.:	1215	3CB		5	1.3 7.3 12.0 22.0		0	(c) °F			
					Reading:		DO:				24.7	Care.	***					
		Units: Deb																
Cool all samples to 6 degrees C.					Chlorinated? Yes No						This	s Doc	ume	ent is	Par	<u>- 1</u>	of 🚶	-