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

	<u></u>		FACILITY NAME (IF DIFFERENT)						
Benton County, Arkansas Suburban Sewer District No 1 Villages of Cross Creek			4811-WR-4						
PERMITTEE ADDRESS			AFIN NO.]					
PO Box 9299			04-00899						
Fayetteville AR 72703									
		WAST	TEWATER EFFLUENT MO	NITORING PERI	OD `]			
		MM/DD/YYYY			MM/DD/YYYY]			
		7/1/2019			7/31/2019				
TREATED WASTEWATER EFFLUEN	IT SAMPLING		V +-		5]		
PARAMETER	*	Limit	Sample Measurement	UNITS	Monitoring	Reporting			
Flow, Monthly total	 "	REPORT	0.632092	MG	Total Flow per calendar month				
Flow, daily maximun		REPORT	0.021756	MGD	Daily				
Carbonaceous Biochemical Oxygen Demand (CBOD5)		30	5.5	mg/l					
Total Suspended Solids (TSS)		30	17.6	mg/l					
Fecal Coliform Bacteria (FCB)		10,000	22	colonies/100ml	Grab Sample once per month				
рН		6.0 - 9.0	7.3	s.u.		Prior to the 15th of the			
Total Phosphorus (TP)		REPORT	6.78	mg/l		following Month			
Total Kjeldahl Nitrogen (TKN)		REPORT	37.2	mg/l					
Ammonia Nitrogen		REPORT	32.5	mg/l	Grab sample once per quarter				
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)		REPORT	6.77	mg/l					
Plant Available Nitrogen (PAN)		REPORT	50.4	mg/l					
Loading Rate		REPORT	See Attached	gpd/ft 2	Daily				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PER	NALTY OF LAW THAT I HAVE PERSONAL		TELEPHONE	DATE				
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE	Hames A Lagor	5_					
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTE	ED INFORMATION IS TRUE, A	ACCURATE, AND	SIGNATURE OF PRINCIPA	(479) 530-	8/7/2019		
Kathy Bartlett	COMPLETE. 1 AM AWA	ARE THAT THERE ARE SIGNIFICANT PEN	EXECUTIVE OFFICER OR	5926					
TYPED OR PRINTED		AUTHORIZED AGENT		MM/DD/YYYY					
COMMENTS AND EXPLANATION OF	VIOLATIONS (Re	ference all attachments here)							

July 2019 VILLAGES OF CROSS CREE	K LOADING RATES Max day 21,756
Zone Identification	GPD/sq 2
1	2,458
2	2,458
3	2,458
4	2,458
5	2,458
6	2,458
7	2,915
8	3,394
9	Not used
10	Combined with 8
11	2,872
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: 1907020077

Customer Name : DIXIELAND UTILITY LLC

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

Report Date : 07/26/19

Sample Date : 07/19/19

Sample Time : 1520

Sample Type : GRAB

Sample From : DOSE TANK EFFLUENT

Collected By: JEW Delivery By : JEW

Work Order :

Purchase Order :

	Quality Assurance					
Analysis				1	Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	<u> Method</u>	- % RPD	% Recovery
07/19 1200 TSB	Ammonia as N, (HACH 10205)	32.50 mg/L		SM 2011 4500-NH3 F	0.53	98.0 *
07/23 0900 TSB	Total Kjeldahl Nitrogen	37.2 mg/L	•	02/2014 HACH 10242	5.71	99.6 *
07/19 1520 JEW	рН	7.3 S.U.		SM 2011 4500-H+ B	0.00	N/A *
07/23 1200 TSB	Phosphorous, Total (as P)	6.780 mg/L		EPA 365.3	0.00	103.0 *
07/25 1200 TSB	Solids, Total Suspended	17.6 mg/L		SM 2011 2540 D	7.59	N/A *
07/19 1650 TSB	Fecal Coliform (MPN/100mL	21.8 /100ml		06/2012 Colilert18	0.00	0.0 *
07/19 1700 TSB	BOD, Carbonaceous	5.5 mg/L		SM 2001 5210 B	6.87	88.0 *
07/23 0900 TSB	Nitrate + Nitrite	6.77 mg/L		01/2013 HACH 10206	1.20	97.0 *
07/23 1545 TSB	Nitrogen, Plant Available	50.4 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

CHAIN OF CUSTODY

Phone: 4/9-750-1170	Fax: 479-750-1172		O I	IMIIA C	71 00												
Client Information					Project Information							Rec	ues	ted	Para	mete	ers
Company Name:	Dixieland Utility LL	Permit/Project #:							}			_					
Address:	ress: 3302 N. Dixieland			Purchase	Purchase Order #:									CBOD(70), TSS(28),PAN(99.99)		İ	
	Rogers AR						, , , , , , , , , , , , , , , , , , , ,					3		(66)			-
Telephone:	(479)936-0333	(Cell)		Sampler Name(s): Jamo Wilt Tomes Withse						,	ĺ	Phos(25), NH ₃ -N(15.A)		AN			- 1
·	(410)000-0000	(OCII)		Sampler Name(s): Jamo Wilt Tomes Willse							l	Ž	(91)	8,F	3.1		1
Telephone:												工	Z T	5(2	4	-	-
				and Signature(s):							ł	2	S	ST	lg l		
ESC Client Number:	1698			<u> </u>		,					۳ا	25	16.	9	Coliform(43.IF)		
Sample Ider	ntification		Sample Collection			Sample Containers			pH(23)	So	s-TKN(16.C)N+N(91)	9	la C				
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preserva	ative	#	펍	윤	S-T	ĕ	Fecal (
Dose Tank/Effluent	1907020077	7-19-19	1520	GRAB	Water	teflon	150 ml	none		1	х						
				GRAB	Water	Plastic	8 oz.	H₂SO₄,pH<	<2	1		х	Х				
				GRAB	Water	Plastic	1 qt	none/ice		1				Х		\top	
				GRAB		 	 	NaS2O4		1	<u> </u>	\vdash	 		x		+
				GRAB	Water	Whirlpak	300ml	1483204			-	╁	┼─	\vdash	^		+
	+			ļ	ļ.	 	<u> </u>	 			-	├─	┼─	 		+	
		!		<u> </u>	 	 		 			Ŀ	ـــ	↓		$\vdash \vdash$		
		<u> </u>			ļ	<u> </u>		ļ				↓	—	<u> </u>	\sqcup		-
		<u> </u>										<u> </u>	<u> </u>			\bot	
		1			<u> </u>											$oldsymbol{\perp}$	
•																	
Relinguished By: (Signature and Printed Name) Date Time		Received By: (Signature and Printed Name) Date Time			Custody Seals: Used? N Intact?												
Relinquished By: (Signature and Printed Name)		7/9-19 Date	1625 Time	Received By: (Signature and Printed Name) Date Time			Used Turna	around									
									Regu		X		Speci		\beth		
Relinquished By: (Signature and Printed Name) Date Time		Received for Lab by: (Signature and Printed Name)			Date	Tim	9			ples pr	es properly preserved:		_	7			
Comments:			Darion	FLOW D	ATA	Field Test	Time	Analy:	st	Res		Resi	ult		Inits	ــــــــــــــــــــــــــــــــــــــ	
					Analyst: pH:			/520	YEU	MEW 7.		3	7.3				
					Time:		Temp.:	15201	(ZE	D.	<i>30</i> ,	8	30	17	(C)	° F	
				· · · · · · · · · · · · · · · · · · ·	Reading: Units:		DO: Debris:		[-				
Cool all samples to 6 degrees C.					Office.		Chlorinated	12 Yes N	l lo		This	: Dor	LIME	nt is	Page	/ of	7
Cool all samples to 6 degrees C.					\		O. HOLIHAGE	. 169 14			.,,,,,		, and		<u></u>		<u> </u>