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

PERMITTEE NAME		FACILITY NAME (IF DI		PEI	RMIT NO.				
Benton County, Arkansas Suburban Sewer District		Villages of Cross (48	11-WR-4				
No 1 Villages of Cross Creek PERMITTEE ADDRESS	<u> </u>	FACILITY ADDR			FIN NO.	1			
PO Box 9299	1 .	3302 N Dixieland			4-00899	1			
Fayetteville AR 72703		Little Flock AR		<u> </u>	4-00033	1			
	\A/AS	STEWATER EFFLUENT MC		1					
	MM/DD/YYYY T	STEWATER ETT EGENT INC	MITORING I ER	MM/DD/YYYY					
	4/1/2021 4/31/2021								
TREATED WASTEWATER EFFLUENT SAMPLING]		
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Report	ting			
Flow, Monthly total	REPORT	0.472,077	MG	Total Flow per calendar month					
Flow, daily maximun	REPORT	0.022,569	MGD	Daily					
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	8.4	mg/l						
Total Suspended Solids (TSS)	30	22	mg/l						
Fecal Coliform Bacteria (FCB)	10,000	284.5	colonies/100ml	Grab Sample once per month					
рН	6.0 - 9.0	7.2	s.u.		Prior to the 1				
Total Phosphorus (TP)	REPORT	6.94	mg/l		following I				
Total Kjeldahl Nitrogen (TKN)	REPORT	58.3	mg/l						
Ammonia Nitrogen	REPORT	42.2	mg/l	Grab sample once per quarter					
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	0.38	mg/l	Grap sample office per quarter					
Plant Available Nitrogen (PAN)	REPORT	47.4	mg/l			:			
Loading Rate	REPORT	SEE ATTACHED	gpd/ft 2	Daily		i	li		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONA	LLY EXAMINED AND AM WITH TH	E INFORMATION		, TEL	EPHONE	DATE		
	SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR								
	ORMATION, I BELIEVE THE SUBMITT	TED INFORMATION IS TRUE, A	CCURATE, AND	SIGNATURE OF PRINCIPAL		79) 530-	5/14/2021		
	ARE THAT THERE ARE SIGNIFICANT PE	NALTIES FOR SUBMITTING FALS	EXECUTIVE OFFICER OR	5926					
TYPED OR PRINTED INCLUDING THE POSS	SIBILITY OF FINE AND IMPRISONMENT.			AUTHORIZED AGENT MM					

APRIL 2021 VILLAGES OF	CROSS CREEK LOADING RATES
Daily Max	22,569
Zone Identification	GPD/sq 2
1	2574
2	2574
3	2574
4	2574
5	2574
6	2574
7	2415
8	2227
9	Not used
10	Combined with 8
11	2,483
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: 2104020196

Customer Name : DIXIELAND UTILITY LLC

Customer/Permit No. : 1698 / 4811-WR-4 001 Report Date : 05/05/21

Sample Date : 04/29/21

Sample Time: 1242 Sample Type : GRAB

Sample From : EFFLUENT

Collected By: HNS Delivery By : HNS

Work Order :

Purchase Order :

	Quality Assurance				
Analysis				Precision	Accuracy
<u>Date Time By</u>	<u>Parameter</u>	Result Notes	Quantity Method	% RPD	% Recovery
05/03 1300 HNS	Ammonia as N, (HACH 10205)	42.20 mg/L	SM 2011 4500-NH3 F	1.49	100.0 *
04/30 1000 TWM	Total Kjeldahl Nitrogen	58.3 mg/L	02/2014 HACH 10242	0.68	101.0 *
04/29 1245 HNS	рH	7.2 S.U.	SM 2011 4500-H+ B	0.00	N/A
05/04 1200 HNS	Phosphorous, Total (as P)	6.94 mg/L	EPA 365.3	2.75	101.0 *
05/03 0930 HNS	Solids, Total Suspended	22.0 mg/L	SM 2011 2540 D	0.54	N/A *
04/29 1620 HNS	Fecal Coliform (MPN/100mL	284.5 /100ml	06/2012 Colilert18	0.00	N/A *
04/30 1530 TWM	BOD, Carbonaceous	8.4 mg/L	SM 2001 5210 B	0.00	76.0 *
05/03 1130 HNS	Nitrate + Nitrite	0.38 mg/L	01/2013 HACH 10206	2.98	106.2 *
05/05 1150 TWM	Nitrogen, Plant Available	47.4 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.

472077 22569

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				<u> </u>	Project Information							Rec	lues	ited	Par	ram	eters	;	
Company Name:	: Dixieland Utility LLC.			Permit/Pro	Permit/Project #: Quarterly							66		T					
Address:	3302 N. Dixieland		Purchase	Purchase Order #:								ि	NO ₃ -N+NO ₂ -N (91), PAN (99.99)						
		Rogers AR			_									NH3-N (15.A), s-TKN (16.C)	NA.				
Telephone:		(479)936-0333	(Cell)		Sampler N	Sampler Name(s): Hayden Sun and Signature(s): Hayde Wil			n:16	4:14				Σ	<u>-</u>	E			
Telephone:]				2-11) SS	(25	S-T	(9)	1	-		
				and Signa	and Signature(s): Hanh Un			th		(70), TSS (28)	Suz	({	1-7-	I E	.				
ESC Client Number	er:	1698										2	T-Phosphorus (25)	(15)	¥	Fecal Coliform (43.IF)			
Sample	e Ideni	tification		Sample	Collection	ollection Sample Containers				CBOD	ٳڲؚ	는 양	Z.	g	pH (23)				
Identification		ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserv	ative	#	8	岸	포	온	n.	玉		
Dose Tank/Efflu	jent	2104020146	4/29/21	1242	GRAB	Water	plastic	1/2 gal	None, C	Cool	1	х							
Dose Tank/Efflu	ıent	1		1-1-	GRAB	Water	plastic	250 MI	H₂SO₄, p	H < 2	1		x	Х	х				
Dose Tank/Efflu	ıent		1		GRAB	Water	Sterile	100 mL	NaS2O4,	, Cooi	1		<u> </u>			х			
Dose Tank/Efflu	ent	1	1		GRAB	Water	Glass	250 mL	None	9	0					L	Х		
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	200000		Date	Time	Graphical Dir (S)		161	<u> </u>	Date	1 77.0	_	Citiza	11.5						
Relinquished By: (Signature ar	na Phnieu	Namej	Date	(me	Received by: toil	gnature and Printed	i Name)		Date	Tim		Used'	ody Se 7	ais:	ĺ	Intac	ct?		
Relinquished By: (Signature ar		·	Date	Time	Received By: (Sig	gnature and Printed	I Name)		Date	Time		Tuma Regul	round	<u> </u>		Spe			_
Relingo/shed By: (Signature digit Printed Name) Date Time			Réceived for Les	Received for Leb By: (Signature and Printed Name) Park Park			e	Were	samp	samples properly pre			erved:						
7/cult 600 19129121 1460			1 / X/T				أومسا سيده وبالمانية			Yes			No						
Comments:						// FLOW DATA		Field Test		-		Resu				Units		<u> </u>	
				Analyst: pH: /245 } Time: Temp.:		HNS		7.2 2.3		<i>7.</i> 2		°C °F		°E					
						Reading:		DO:	 	 	-					:		<u></u>	_
HN5					,	Units:		Debris:	 		一十		-		\neg				
Sani all camples to 6 degrees C					1		Chloringtod	12 Vac N		-	Thic	Dac		nt in	Do	;	of I	_	

NWA Utility Services Inc PO Box 9299 Fayetteville, AR 72703

ADEQ WATER DIVISION/PERMITS BRANCH 5301 Northshore Drive N Little Rock, AR 72118-5317









