

**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
10/1/2019	10/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.677188	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.025284	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	25.7	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	16	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	6.8	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	34.6	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	17.1	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	10.3	mg/l		
Plant Available Nitrogen (PAN)	REPORT	32.6	mg/l		
Loading Rate	REPORT		gpd/ft ²	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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	11/14/2019
TYPED OR PRINTED				MM/DD/YYYY

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

Repaired 14 areas in drip line

Oct 2019 VILLAGES OF CROSS CREEK LOADING RATES

Daily Max	25284
Zone Identification	GPD/sq 2
1	2,928
2	2,928
3	2,928
4	2,928
5	2,928
6	2,928
7	3,388
8	3,944
9	Not used
10	Combined with 8
11	3,337
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: 1910020124
 Customer Name : DIXIELAND UTILITY LLC
 Customer/Permit No. : 1698 / 4811-WR-4 001
 Report Date : 10/28/19

Sample Date : 10/17/19
 Sample Time : 1214
 Sample Type : GRAB DIXIELAND
 Sample From : DOSE TANK EFFLUENT

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
10/17	1500	TSB	Ammonia as N, (HACH 10205)	17.10 mg/L		SM 2011 4500-NH3 F	0.38	96.0 *
10/21	1230	TSB	Total Kjeldahl Nitrogen	34.6 mg/L		02/2014 HACH 10242	2.11	95.2 *
10/17	1216	NTR	pH	7.2 S.U.		SM 2011 4500-H+ B	0.00	N/A *
10/21	1544	TSB	Phosphorous, Total (as P)	6.80 mg/L		EPA 365.3	0.90	108.0 *
10/23	1430	TSB	Solids, Total Suspended	25.7 mg/L		SM 2011 2540 D	4.85	N/A *
10/17	1630	TSB	Fecal Coliform (MPN/100mL)	15.8 /100ml		06/2012 Colilert18	0.00	0.0 *
10/18	0800	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	6.84	118.0 *
10/21	1300	TSB	Nitrate + Nitrite	10.30 mg/L		01/2013 HACH 10206	1.82	98.4 *
10/22	1500	TSB	Nitrogen, Plant Available	32.6 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.

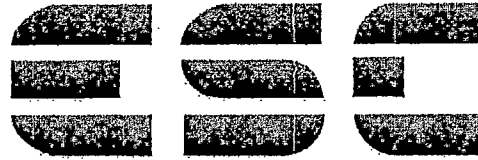
Signature _____

Environmental Services Co., Inc.

477,188
25,284

14 rcp.

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

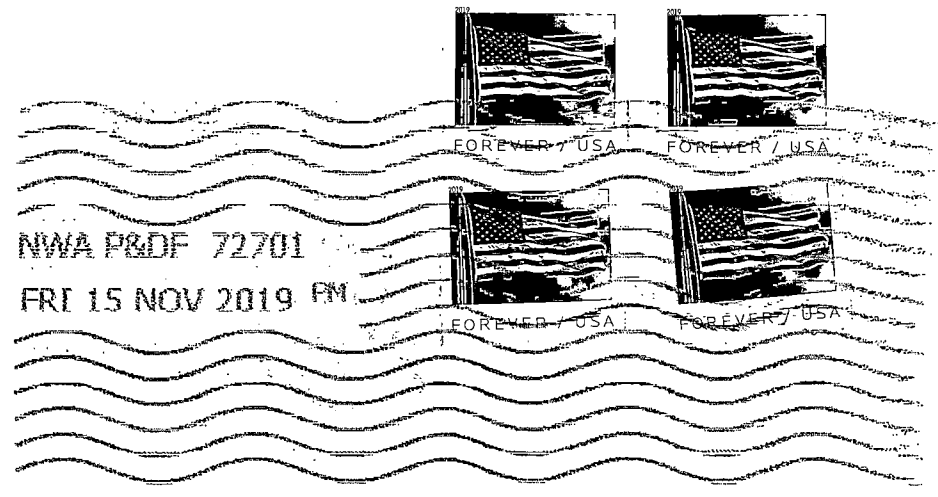
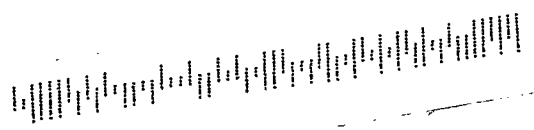
Phone: 479-750-1170 Fax: 479-750-1172

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.C)N+N(91)	CBOD(70), TSS(28), PAN(99.99)	Fecal Coliform(43.IF)						
Address:		3302 N. Dixieland Rogers AR				Purchase Order #:															
Telephone:		(479)936-0333 (Cell)				Sampler Name(s):		Ned Ryerson													
Telephone:						and Signature(s):		Ned Ryerson													
ESC Client Number:		1698																			
Sample Identification			Sample Collection			Sample Containers				pH(23)	Phos(25), NH ₃ -N(15.A)	s-TKN(16.C)N+N(91)	CBOD(70), TSS(28), PAN(99.99)	Fecal Coliform(43.IF)							
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Dose Tank/Effluent	1910020124	10-17-19	1214	GRAB	Water	Glass	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	100ml	NaS 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 for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No										
Comments:		FLOW DATA		Field Test	Time	Analyst	Result	Result	Units												
		Analyst:	pH:	1216	NTR	7.2	7.2	5U													
		Time:	Temp.:	1216	NTR	24.5	24.6	°C	°F												
		Reading:	DO:																		
		Units:	Debrls:																		
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1											

NWA Utility Services
PO Box 9299
Fayetteville, AR

72703



ADEG
Water Division Permits Branch
5301 Northshore Dr
North Little Rock, AR

72118-5317