

**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
1/1/2021	1/31/2021

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.591,740	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.029,811	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	9.9	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	20.5	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	> 12,000	colonies/100ml		
pH	6.0 - 9.0	6.9	s.u.		
Total Phosphorus (TP)	REPORT	7.41	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	52.6	mg/l		
Ammonia Nitrogen	REPORT	46.7	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	1.54	mg/l		
Plant Available Nitrogen (PAN)	REPORT	50	mg/l		
Loading Rate	REPORT	SEE ATTACHED	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	2/12/2021
TYPED OR PRINTED				MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)				

January 2021 VILLAGES OF CROSS CREEK LOADING RATES

Daily Max	29,811
Zone Identification	GPD/sq 2
1	3369
2	3369
3	3369
4	3369
5	3369
6	3369
7	3190
8	3074
9	Not used
10	Combined with 8
11	3,333
12	Not used
13	Not used
14	Not used
15	Not used
16	Not used
17	Not used

NON-COMPLIANCE REPORT

Arkansas Department of Environmental Quality
Office of Water Quality – Enforcement Branch
5301 Northshore Drive
North Little Rock, AR 72118

RE: Permit No: 4811-WR-4 Discharge Number: _____
Facility: Villages of Cross Creek
Address: 3302 N Dixieland Rd
City: Little Flock State: AR Zip: _____
Contact: _____ Phone: _____

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
Jan 2021	Fecal Coliform Bacteria	12,098		10,000

We feel this problem was due to:

unsure, drying to determine the cause of elevated FCB

We plan on correcting the problem in this manner:

Time estimated that it will take to correct problem:

Sincerely,



2/12/21

Submitted By:

Date

Submitted electronically via NetDMR

Certification Statement: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Revised March 2016)

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: 2101020058
 Customer Name : DIXIELAND UTILITY LLC
 Customer/Permit No. : 1698 / 4811-WR-4 001
 Report Date : 02/02/21

Sample Date : 01/20/21
 Sample Time : 1210
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: HNS
 Delivery By : HNS
 Work Order :
 Purchase Order : QUARTERLY

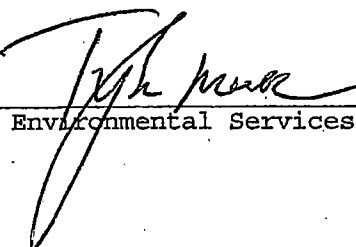
Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
01/25	1000	HNS	Ammonia as N, (HACH 10205)	46.70 mg/L			SM 2011 4500-NH3 F	6.17	102.0 *
02/02	1115	TWM	Total Kjeldahl Nitrogen	52.6 mg/L			02/2014 HACH 10242	3.17	95.3 *
01/20	1214	HNS	pH	6.9 S.U.			SM 2011 4500-H+ B	0.00	N/A *
01/22	1130	HNS	Phosphorous, Total (as P)	7.41 mg/L			EPA 365.3	1.65	102.0 *
01/25	1330	HNS	Solids, Total Suspended	20.5 mg/L			SM 2011 2540 D	25.94	N/A *
01/20	1630	HNS	Fecal Coliform (MPN/100mL)	> 12098.0 /100ml	(b)		06/2012 Colilert18	0.00	N/A
01/21	0730	TWM	BOD, Carbonaceous	9.9 mg/L			SM 2001 5210 B	0.00	101.3 *
01/26	1210	HNS	Nitrate + Nitrite	1.54 mg/L			01/2013 HACH 10206	5.23	108.0 *
02/02	1455	TWM	Nitrogen, Plant Available	50.0 mg/L			SM 1997 4500-N		

* QA data shown is from a different sample or standard on the same date.
 (b) Exceeds Permit Limits for Maximum Concentration

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

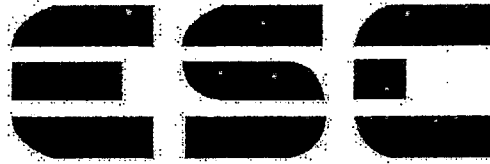


Environmental Services Co., Inc.

591740
 29811

Kristin Mullins

Environmental Services Company, Inc.
 Northwest Arkansas
 1107 Century Street
 Springdale, Arkansas 72762
 website: www.esclabs.com

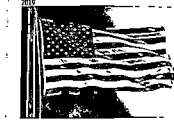
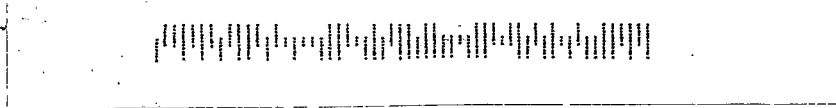


Corporate Office, Little Rock, Arkansas
 501-221-2565
 Carlsbad, New Mexico
 575-887-1ESC

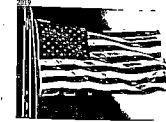
Phone: 479-750-1170 Fax: 479-750-1172

CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters						
Company Name: Dixieland Utility LLC.				Permit/Project #: Quarterly						CBOD (70), TSS (28) T-Phosphorus (25) NH3-N (15.A), s-TKN (16.C) NO3-N+NO2-N (91), PAN (99.99) Fecal Coliform (43.IF) pH (23)						
Address: 3302 N. Dixieland Rogers AR				Purchase Order #:												
Telephone: (479)936-0333 (Cell)				Sampler Name(s): Hayden Smith												
Telephone:				and Signature(s): <i>Hayden Smith</i>												
ESC Client Number: 1698																
Sample Identification		Sample Collection				Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
Dose Tank/Effluent	210100058	1-20-21	1210	GRAB	Water	plastic	1/2 gal	None, Cool	1	X						
Dose Tank/Effluent				GRAB	Water	plastic	250 ml	H2SO4, pH < 2	1		X	X	X			
Dose Tank/Effluent				GRAB	Water	Sterile	100 mL	NaS2O4, Cool	1					X		
Dose Tank/Effluent				GRAB	Water	Glass	250 mL	None	0						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) <i>Hayden Smith</i>		Date 1-20-21	Time 1600	Received for Lab By: (Signature and Printed Name) <i>Tyler Mack</i>			Date 1/20/21	Time 1600	Were samples properly preserved:		Yes	No				
Comments:				FLOW DATA		Field Test	Time	Analyst	Result	Result	Units					
				Analyst:		pH:	1214	HNS	6.9	7.0						
				Time:		Temp.:					°C		°F			
				Reading:		DO:										
				Units:		Debris:										
G:\W\...OCIFORMS\CHAIN.XL Cool all samples to 6 degrees C.						Chlorinated?	Yes	No	This Document is Pa		1 of 1					



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 ***NWA Utility Services Inc***
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
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