

**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

12/1/2018

MM/DD/YYYY

12/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING


PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.462253	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.032547	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	9.2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	29.2	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	< 10	colonies/100ml		
pH	6.0 - 9.0	7.6	s.u.		
Total Phosphorus (TP)	REPORT	6.41	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Kathy Bartlett

TYPED OR PRINTED

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

(479) 530-5926

DATE

1/4/2019

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Dec 2018 VILLAGES OF CROSS CREEK LOADING RATES 32,547 Max Day

Zone Identification	GPD/sq 2
1	3,678
2	3,678
3	3,678
4	3,678
5	3,678
6	3,678
7	4,361
8	5,077
9	Not used
10	Combined with 8
11	4,296
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: 1812020100
 Customer Name : DIXIELAND UTILITY LLC
 Customer/Permit No. : 1698 / 4811-WR-4 001
 Report Date : 12/20/18

Sample Date : 12/14/18
 Sample Time : 1435
 Sample Type : GRAB DIXIELAND
 Sample From : DOSE TANK EFFLUENT


Collected By: JEW
 Delivery By : JEW
 Work Order :
 Purchase Order :

Laboratory Analysis

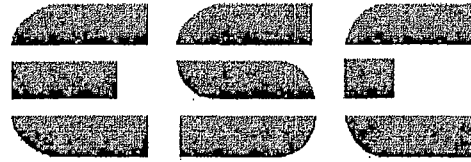
<u>Analysis</u>						<u>Quality Assurance</u>			
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u> % RPD	<u>Accuracy</u> % Recovery
12/14	1435	JEW	pH	7.6	S.U.		SM 2000 4500-H+ B	0.00	N/A *
12/18	1000	TSB	Phosphorous, Total (as P)	6.410	mg/L		EPA 365.3	0.00	106.0 *
12/20	0930	TSB	Solids, Total Suspended	29.2	mg/L		SM 2011 2540 D	1.46	N/A *
12/14	1607	VLP	Fecal Coliform (MPN/100mL)	< 10.0	/100mL		06/2012 Colilert18	0.00	0.0 *
12/14	1400	TSB	BOD, Carbonaceous	9.2	mg/L		SM 2001 5210 B	10.41	96.0 *
12/12		ESC	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.

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

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

CHAIN OF CUSTODY

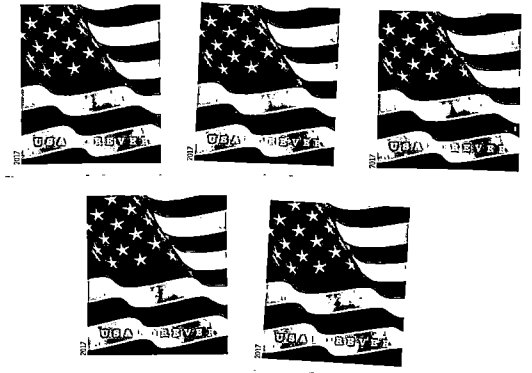
Client Information				Project Information				Requested Parameters					
Company Name:		Dixieland Utility LLC.		Permit/Project #:				pH(23)	Phos(25)	CBOD(70), TSS(28)	Fecal Coliform(43.IF)		
Address:		3302 N. Dixieland Rogers AR		Purchase Order #:									
Telephone:		(479)936-0333 (Cell)		Sampler Name(s):		James Wiltsch James Wiltsch							
Telephone:				and Signature(s):									
ESC Client Number:		1698											
Sample Identification		Sample Collection				Sample Containers							
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#				
Dose Tank/Effluent	1812020100	12-14-18	1435	GRAB	Water	teflon	150 mL	None	1	x			
				GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		x		
				GRAB	Water	Plastic	1 qt	None, Cool†	1			x	
				GRAB	Water	Whirlpak	125 mL	Na ₂ O ₄ Cool†	1				x
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?		
<i>James Wiltsch James Wiltsch</i>		12-14-18	1600	<i>James Wiltsch James Wiltsch</i>		12-14-18	1600			<input type="checkbox"/>	<input type="checkbox"/>		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special		
				<i>James Wiltsch James Wiltsch</i>						<input type="checkbox"/>	<input type="checkbox"/>		
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No		
				<i>James Wiltsch James Wiltsch</i>		12-14-18	1600			<input type="checkbox"/>	<input type="checkbox"/>		
Comments:				FLOW DATA	Field Test	Time	Analyst	Result	Result	Units			
				Analyst:	pH:	14.33	GW	7.6	7.6				
				Time:	Temp.:	14.33	GW	13.9	13.9	°C			
				Reading:	DO:								
				Units:	Debris:								
Cool all samples to 6 degrees C.						Chlorinated?	Yes	No	This Document is Page ___ of ___				

SR

P.O.
Fayetteville

BC: 72118532801 DUZ326N009194-00470

UNABLE TO FORWARD/FOR REVIEW
731 7E N C0001/09/19
R015



ADEQ Water Division
Permits Branch
5301 Northshore Dr
N Little Rock, AR 72118-5317