

**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
10/1/2016		10/31/2016

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.598854	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maxmun	REPORT	0.024783	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	11.8	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	30	18	mg/l		
Fecal Coliform Bacteria (FCB)	10,000	228	colonies/100ml		
pH	6.0 - 9.0	7.1	s.u.		
Total Phosphorus (TP)	REPORT	5.9	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	29.12	mg/l		
Ammonia Nitrogen	REPORT	27.3	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	5.6	mg/l		
Plant Available Nitrogen (PAN)	REPORT	33.4	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

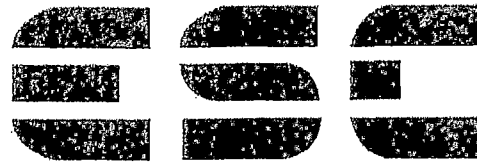
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, 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
Kathy Bartlett			(479) 530-5926	11/12/2016
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)
 We are working on repairing leaking drip tubing in our drip field. Have made some progress.

VILLAGES OF CROSS CREEK LOADING RATES

Zone Identification	GPD/sq 2
1	2,800
2	2,800
3	2,800
4	2,800
5	2,800
6	2,800
7	3,321
8	3,866
9	Not used
10	Combined with 8
11	3,271
12	Not used
13	Not used
14	Not used
15	Not used
16	Not used
17	Not used

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)	TKN(16.A)/N+N(91)	CBOD(70), TSS(28), PAN(99.99)	Fecal Coliform(43)							
Address: 3302 N. Dixieland				Purchase Order #:																	
Rogers AR				Sampler Name(s): <i>Amber Woodard</i>																	
Telephone: (479)936-0333 (Cell)				and Signature(s): <i>[Signature]</i>																	
Telephone:																					
ESC Client Number: 1698																					
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Dose Tank/Effluent	1110020181	10/14/16	1150	GRAB	Water	teflon	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	300ml	Na ₂ O ₄	1					X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:											
<i>[Signature]</i>		10/14/16	1350	<i>[Signature]</i>						Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:											
<i>[Signature]</i>				<i>[Signature]</i>						Regular	<input checked="" type="checkbox"/>	Special	<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:											
<i>[Signature]</i>				<i>[Signature]</i>				10/14/16	1550	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>								
Comments:				FLOW DATA		Field Test	Time	Analyst	Result	Result	Units										
				Analyst:		pH:	6.95	ARJ	7.1	7.1											
				Time:		Temp.:	11:55	ARJ	24.9	25.1	°C										
				Reading:		DO:															
				Units:		Debris:															
Cool all samples to 6 degrees C.										Chlorinated? Yes No			This Document is Page 1 of 1								

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: 1610020181	Sample Date : 10/14/16	Collected By: AU
Customer Name : DIXIELAND UTILITY LLC	Sample Time : 1150	Delivery By : AU
Customer/Permit No. : 1698 / 4811-WR-4 001	Sample Type : GRAB	Work Order :
Report Date : 10/23/16	Sample From : DOSE TANK EFFLUENT	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 Nitrogen	27.3 mg/L		SM 1997 4500-NH3 F	0.00	100.0 *
10/18	1000	TSB	Kjeldahl Nitrogen Total	29.12 mg/L		SM 1997 4500-NorgB	2.25	101.5
10/14	1155	AEU	pH	7.1 S.U.		SM 2000 4500-H+ B	0.00	N/A *
10/17	1400	TSB	Phosphorous, Total (as P)	5.9 mg/L		EPA 365.3	2.94	103.0 *
10/20	1300	TCF	Solids, Total Suspended	18.0 mg/L		SM 1997 2540 D	20.00	N/A *
10/14	1610	AEU	Coliform, Fecal	228 /100ml		SM 9222 D 1997	0.00	N/A *
10/14	1400	TSB	BOD, Carbonaceous	11.8 mg/L		SM 2001 5210 B	1.52	90.4 *
10/18	0845	TSB	Nitrate + Nitrite	5.6 mg/L		SM 2000 4500-NO3 E	1.60	100.8 *
10/18	1600	TSB	Nitrogen, Plant Available	33.4 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 Richard Brown
 Environmental Services Co., Inc.