

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

<b>PERMITTEE NAME</b>
Joyce Street Cottages Property Owners Association Inc
<b>PERMITTEE ADDRESS</b>
4200 Gabel Dr Fayetteville AR 72703

<b>FACILITY NAME</b>
Joyce Street Cottages
<b>FACILITY ADDRESS</b>
3578 E Joyce Blvd Fayetteville AR 72703

<b>PERMIT NO.</b>
4957-WR-3


<b>AFIN NO.</b>
72-01805

<b>WASTEWATER EFFLUENT MONITORING PERIOD</b>	
MM/DD/YYYY	MM/DD/YYYY
2/1/2019	2/28/2019

TREATED WASTEWATER EFFLUENT SAMPLING					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.225747	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	8,267	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	9	mg/l		
Fecal Coliform Bacteria (FCB)	3,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	2.32	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	7.4	mg/l		
Ammonia Nitrogen	REPORT	6.19	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	3.78	mg/l		
Plant Available Nitrogen (PAN)	REPORT	10.3	mg/l		

<b>NAME OF PRINCIPAL EXECUTIVE OFFICER</b>
Ken Gregory
<b>TYPED OR PRINTED</b>

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.


<b>SIGNATURE OF COGNIZANT OFFICIAL</b>

<b>TELEPHONE</b>
(479) 530-5926
<b>DATE</b>
3/7/2019

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

* LOADING RATE BY ZONE					
Zone 1	1182.18	Zone 5	1802.21		
Zone 2	1471.53	Zone 6	677.89		
Zone 3	1554.20				
Zone 4	1579.00				

# 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: 1902020172  
 Customer Name : JOYCE STREET UTILITY LLC  
 Customer/Permit No. : 1827 / 4957-WR-2 001  
 Report Date : 02/27/19

Sample Date : 02/20/19  
 Sample Time : 1105  
 Sample Type : GRAB  
 Sample From : EFFLUENT

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

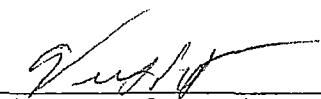
### Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
02/21	1130	AKA	Ammonia as N, (HACH 10205)	6.19 mg/L			SM 2011 4500-NH3 F	0.24	101.2 *
02/25	1130	AKA	Total Kjeldahl Nitrogen	7.4 mg/L			02/2014 HACH 10242	3.64	97.8
02/20	1105	JEW	pH	7.5 S.U.			SM 2000 4500-H+ B	0.00	N/A
02/21	1330	AKA	Phosphorous, Total (as P)	2.320 mg/L			EPA 365.3	2.79	107.0 *
02/25	1230	TSB	Solids, Total Suspended	9.0 mg/L			SM 2011 2540 D	27.94	N/A *
02/20	1630	VLP	Fecal Coliform (MPN/100mL)	< 4.0 /100ml			06/2012 Colilert18	0.00	0.0 *
02/20	1400	AKA	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	6.19	79.6 *
02/22	1450	AKA	Nitrate + Nitrite	3.78 mg/L			01/2013 HACH 10206	1.71	103.6 *
02/26	0815	TSB	Nitrogen, Plant Available	10.3 mg/L			SM 1997 4500-N		
02/21		ESC	Sample Collection/Travel	1 each				0.00	0.0 *

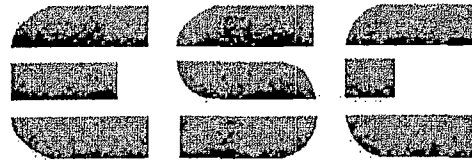
\* QA data shown is from a different sample or standard on the same date.

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:		Joyce St. Utility LLC				Permit/Project #:		Quarterly			pH (23)	T-Phos (25), NH <sub>3</sub> -N (15.A),	s-TKN(16.C), NO <sub>3</sub> +NO <sub>2</sub> (91)	CBOD(70), TSS (28)	F. Coliform (43.IF)	PAN (99.99)
Address:		1849 Trillium Lane Fayetteville Ar 72704				Purchase Order #:										
Telephone:		(479)936-0333 (Cell)				Sampler Name(s):		<i>James Willett James Willett</i>								
Telephone:						and Signature(s):										
ESC Client Number:		1827														
Sample Identification			Sample Collection			Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
EFFLUENT	1902020172	2-20-19	1105	GRAB	Water	teflon	150 ml	none	1	X						
EFFLUENT				GRAB	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH<2	1		X	X			X	
EFFLUENT				GRAB	Water	Plastic	1/2 gal	none/ice	1				X			
EFFLUENT				GRAB	Water	Whirlpak	125 ml	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	1					X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>			
<i>James Willett James Willett</i>		2-20-19	1210					Turnaround:		Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>			
				<i>James Willett James Willett</i>		2/20/19	1210									
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units				
						Analyst:	pH:	1105	<i>JKW</i>	7.5	7.5					
						Time:	Temp.:	1105	<i>JKW</i>	10.9	10.8	(°C)	°F			
						Reading:	DO:									
						Units:	Debris:									
<b>Cool all samples to 6 degrees C.</b>						Chlorinated? Yes No		This Document is Page ___ of ___								