

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

PERMITTEE NAME

Joyce Street Cottages Property Owners Association Inc

FACILITY NAME

Joyce Street Cottages

PERMIT NO.

4957-WR-3

PERMITTEE ADDRESS

4200 Gabel Dr
Fayetteville AR 72703

FACILITY ADDRESS

3578 E Joyce Blvd
Fayetteville AR 72703

AFIN NO.

72-01805

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY


5/1/2020

MM/DD/YYYY

5/31/2020

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	251,305	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.10053	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	23.2	mg/l		
Fecal Coliform Bacteria (FCB)	3,000	139.50	colonies/100ml		
pH	6.0 - 9.0	7.1	s.u.		
Total Phosphorus (TP)	REPORT	3.28	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	8.7	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	5.11	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	0.88	mg/l		
Plant Available Nitrogen (PAN)	REPORT	7.1	mg/l		

NAME OF 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 COGNIZANT OFFICIAL	TELEPHONE
			(479) 530-5926
TYPED OR PRINTED			DATE
Kathy Bartlett			6/15/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

* LOADING RATE BY ZONE			
Zone 1	1438	Zone 5	2191
Zone 2	1790	Zone 6	824
Zone 3	1890		
Zone 4	1920		

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: 2005020074
 Customer Name : JOYCE STREET UTILITY LLC
 Customer/Permit No. : 1827 / 4957-WR-2 001
 Report Date : 06/02/20

Sample Date : 05/27/20
 Sample Time : 0945
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: TWM
 Delivery By : TWM
 Work Order :
 Purchase Order :

Laboratory Analysis

Analysis				Laboratory Analysis			Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
05/29	0945	TSB	Ammonia as N, (HACH 10205)	5.11 mg/L			SM 2011 4500-NH3 F	1.01	98.8 *
06/02	1030	TSB	Total Kjeldahl Nitrogen	8.7 mg/L			02/2014 HACH 10242	1.65	98.0
05/27	0950	TWM	pH	7.1 S.U.			SM 2011 4500-H+ B	0.00	N/A
06/02	1015	TSB	Phosphorous, Total (as P)	1.82 mg/L			EPA 365.3	0.96	111.0 *
06/01	1315	TSB	Solids, Total Suspended	23.2 mg/L			SM 2011 2540 D	2.90	N/A *
05/27	1630	TSB	Fecal Coliform (MPN/100mL)	139.5 /100mL			06/2012 Colilert18	0.00	N/A *
05/27	1200	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.00	105.1
06/01	1430	TSB	Nitrate + Nitrite	0.88 mg/L			01/2013 HACH 10206	1.64	111.0 *
06/02	1645	TSB	Nitrogen, Plant Available	7.1 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.

251,305
 10,053

23

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 ₃ -N (15.A), s-TKN(16.C), NO ₃ +NO ₂ (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>Tyler Meek</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	2005020074	5/21/20	09:45	GRAB	Water	Glass	150 ml	none	1	X											
EFFLUENT	↓	↓	↓	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		X	X							X		
EFFLUENT	↓	↓	↓	GRAB	Water	Plastic	1/2 gal	none/ice	1				X								
EFFLUENT	↓	↓	↓	GRAB	Water	Sterile	100 ml	Na ₂ S ₂ O ₃	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"/>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		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:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>								
Comments:		Date		Time		Date		Time		Result		Result		Units							
		5/21/20		1100		5/21/20		1100		7.1		7.1									
										pH:		Temp.:									
										Time:		DO:									
										Reading:		Debris:									
										Units:											
Cool all samples to 6 degrees C.										Chlorinated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					This Document is Page 1 of 1						



NWA Utility Services Inc
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
5301 Northshore Drive
N Little Rock, AR 72118-5317