

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

PERMITTEE NAME

Joyce Street Cottages Property Owners Association Inc

PERMITTEE ADDRESS

4200 Gabel Dr
Fayetteville AR 72703

FACILITY NAME

Joyce Street Cottages

FACILITY ADDRESS

3578 E Joyce Blvd
Fayetteville AR 72703

PERMIT NO.

4957-WR-3

AFIN NO.

72-01805

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
2/1/2020	2/29/2020

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	226,315	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.09672	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	8.6	mg/l		
Fecal Coliform Bacteria (FCB)	3,000	18	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	1.23	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	14.5	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	2.57	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	2.17	mg/l		
Plant Available Nitrogen (PAN)	REPORT	8.3	mg/l		

NAME OF 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.

Kathy Bartlett
SIGNATURE OF COGNIZANT OFFICIAL

TELEPHONE
(479) 530-5926
DATE
3/13/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

* LOADING RATE BY ZONE					
Zone 1	1383	Zone 5	2108		
Zone 2	1722	Zone 6	794		
Zone 3	1818				
Zone 4	1847				

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: 2002020085
 Customer Name : JOYCE STREET UTILITY LLC
 Customer/Permit No. : 1827 / 4957-WR-2 001
 Report Date : 03/05/20

Sample Date : 02/20/20
 Sample Time : 1405
 Sample Type : GRAB WATER
 Sample From : EFFLUENT

Collected By: TWM
 Delivery By : TWM
 Work Order :
 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>
02/26	1330	TSB	Ammonia as N, (HACH 10205)	2.57 mg/L		SM 2011 4500-NH3 F	0.27	109.8 *
02/28	1200	TSB	Total Kjeldahl Nitrogen	14.5 mg/L		02/2014 HACH 10242	0.00	98.0
02/20	1410	TWM	pH	7.4 S.U.		SM 2011 4500-H+ B	1.34	N/A
02/26	1400	TSB	Phosphorous, Total (as P)	1.23 mg/L		EPA 365.3	1.36	102.0 *
02/25	1345	TSB	Solids, Total Suspended	8.6 mg/L		SM 2011 2540 D	3.28	N/A *
02/20	1740	TWM	Fecal Coliform (MPN/100mL)	18.0 /100ml		06/2012 Colilert18	0.00	0.0 *
02/21	1200	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	0.00	96.3
02/24	1400	TSB	Nitrate + Nitrite	2.17 mg/L		01/2013 HACH 10206	0.00	107.8 *
03/02	1000	TSB	Nitrogen, Plant Available	8.3 mg/L		SM 1997 4500-N		

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

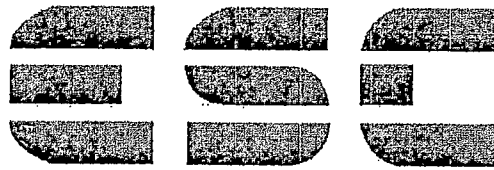
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

226,315
 9672

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	#	pH	T-Phos	s-TKN	CBOD	F. Coliform	PAN
EFFLUENT	2002020085	2/20/20	1405	GRAB	Water	teflon	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	Whirlpak	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:							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>							
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab 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:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units			
				Analyst:		pH:		12:10	TWM	7.4	7.5				
				Time:		Temp.:		7:40	TWM	10.5	10.5	°C			
				Reading:		DO:									
				Units:		Debris:									
Cool all samples to 6 degrees C.				Chlorinated? Yes No		This Document is Page 1 of 1									

NWA UTILITY SERVICES, INC

PO Box 9299
Fayetteville, AR
72703



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