

**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
8/1/2020	8/31/2020

TREATED WASTEWATER EFFLUENT SAMPLING					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.0224,460	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.009054	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	9.8	mg/l		
Fecal Coliform Bacteria (FCB)	3,000	< 4.0	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	5.12	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	13.5	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	< 0.01	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	3.07	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.		TELEPHONE
			(479) 530-5926
TYPED OR PRINTED		SIGNATURE OF COGNIZANT OFFICIAL	DATE
			9/16/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

* LOADING RATE BY ZONE					
Zone 1	1295	Zone 5	1974		
Zone 2	1611	Zone 6	742		
Zone 3	1702				
Zone 4	1730				

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: 2008020061
 Customer Name : JOYCE STREET UTILITY LLC
 Customer/Permit No. : 1827 / 4957-WR-2 001
 Report Date : 09/08/20

Sample Date : 08/19/20
 Sample Time : 0925
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: HNS
 Delivery By : HNS
 Work Order :
 Purchase Order :

Laboratory Analysis

<u>Analysis</u>			<u>Laboratory 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>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
08/28	1600	TWM	Ammonia as N, (HACH 10205)	< 0.01 mg/L			SM 2011 4500-NH3 F	0.00	98.0 *
09/04	0930	TWM	Total Kjeldahl Nitrogen	13.5 mg/L			02/2014 HACH 10242	4.80	100.0
08/19	0928	HNS	pH	7.2 S.U.			SM 2011 4500-H+ B	1.38	N/A
08/24	1415	HNS	Phosphorous, Total (as P)	5.12 mg/L			EPA 365.3	1.39	104.0 *
08/24	0900	HNS	Solids, Total Suspended	9.8 mg/L			SM 2011 2540 D	14.81	N/A *
08/19	1630	TWM	Fecal Coliform (MPN/100mL)	< 4.0 /100ml			06/2012 Colilert18	0.00	N/A *
08/21	0730	TWM	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.00	84.0 *
09/01	1000	HNS	Nitrate + Nitrite	3.07 mg/L			01/2013 HACH 10206	0.93	104.0 *
09/04	1205	TWM	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.

Environmental Services Company, Inc.
 Northwest Arkansas
 1107 Century Street
 Springdale, Arkansas 72762
 website: www.esclabs.com



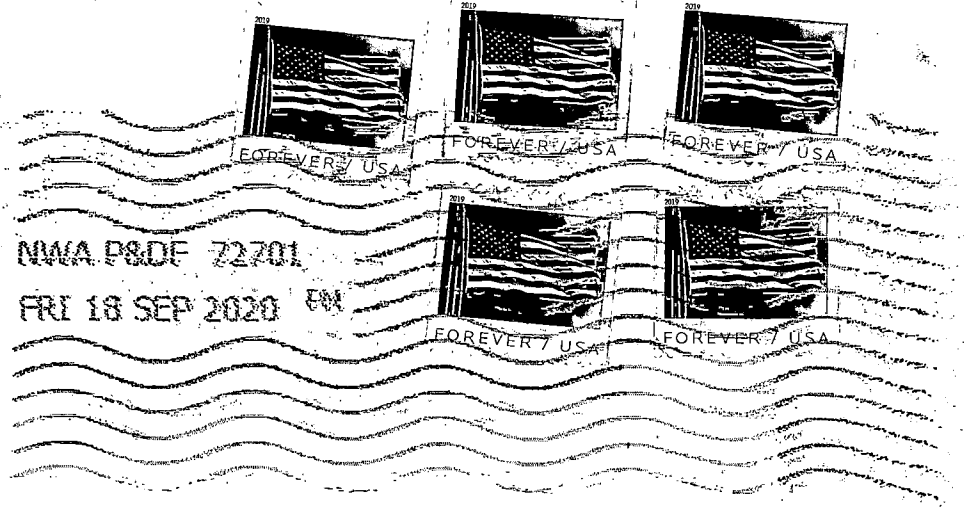
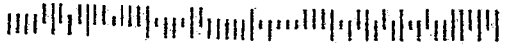
Corporate Office, Little Rock, Arkansas
 501-221-2565


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>Hayden Smith</i>											
Telephone:				and Signature(s): <i>Hayden Smith</i>											
ESC Client Number: 1827															
Sample Identification		Sample Collection				Sample Containers									
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#						
EFFLUENT	2068026661	8/19/26	0925	GRAB	Water	Glass	150 ml	none	1	X					
EFFLUENT	8-61	↓	↓	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		X	X			X
EFFLUENT	8-61	↓	↓	GRAB	Water	Plastic	1/2 gal	none/ice	1				X		
EFFLUENT	8-61	↓	↓	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)		8/19/26	0925	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)		8/19/26	1600	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:	0925	HNS	7.2	7.3					
				Time:		Temp.:					°C		°F		
				Reading:		DO:									
				Units:		Debris:									
<i>HNS</i>				Cool all samples to 6 degrees C.				Chlorinated? Yes No		This Document is Page ___ of ___					



 **NWA Utility Services Inc**
PO Box 9299
Fayetteville, AR 72703

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