

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

PERMITTEE NAME
Legacy Estates Homeowners Association Inc

FACILITY NAME (IF DIFFERENT)
Legacy Estates Wastewater Treatment Facility

PERMIT NO.
4890-WR-2

PERMITTEE ADDRESS
PO Box 8835
Fayetteville AR 72702

FACILITY ADDRESS
13158 Randolph Rd
Tontitown AR


AFIN NO.
72-01642

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY	MM/DD/YYYY
7/1/2020	7/31/2020

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.346,760	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.012,125	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	9.8	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	14.3	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 5.0	colonies/100ml		
pH	6.0 - 9.0	7.3	s.u.		
Total Phosphorus (TP)	REPORT	8.22	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	38	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	27.5	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	0.7	mg/l		
Plant Available Nitrogen (PAN)	REPORT	31.3	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE 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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			(479) 530-5926	8/15/2020 MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

July 2020 LEGACY ESTATES

PERMIT # 4890-WR-2

MAXIMUM DAILY FLOW GPD 12,125

ZONE IDENTIFICATION	LOADING RATE BY ZONE
A 1	989
B 1	912
C 1	543
D 1	1392
E 1	1392
F 1	754
G 1	826
H 1	748
I 1	992
J 1	1090
K 1	1310
L 1	1177

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: 2007020091
 Customer Name : LEGACY UTILITY, LLC
 Customer/Permit No. : 2440 / 4890-WR-2 N/A
 Report Date : 07/24/20

Sample Date : 07/16/20
 Sample Time : 1641
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: NTR
 Delivery By : NTR
 Work Order :
 Purchase Order :

<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> % RPD	<u>Accuracy</u> % Recovery
07/20	1126	HNS	Ammonia as N, (HACH 10205)	27.50 mg/L			SM 2011 4500-NH3 F	2.06	102.0 *
07/21	0850	NTR	Total Kjeldahl Nitrogen	38.0 mg/L			02/2014 HACH 10242	2.41	99.0 *
07/16	1643	NTR	pH	7.3 S.U.			SM 2011 4500-H+ B	0.00	N/A
07/20	1410	NTR	Phosphorous, Total (as P)	8.22 mg/L			EPA 365.3	1.87	91.0 *
07/20	1630	NTR	Solids, Total Suspended	14.3 mg/L			SM 2011 2540 D	22.22	N/A
07/16	1730	TWM	Fecal Coliform (MPN/100mL)	< 5.0 /100ml			06/2012 Colilert18	0.00	N/A *
07/16	1730	NTR	BOD, Carbonaceous	9.8 mg/L			SM 2001 5210 B	0.00	91.9 *
07/21	1005	HNS	Nitrate + Nitrite	0.70 mg/L			01/2013 HACH 10206	3.74	87.4
07/21	1000	NTR	Nitrogen, Plant Available	31.3 mg/L			SM 1997 4500-N		

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

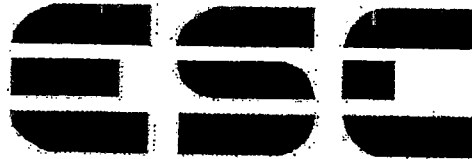
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

KNM
 346760
 12125

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

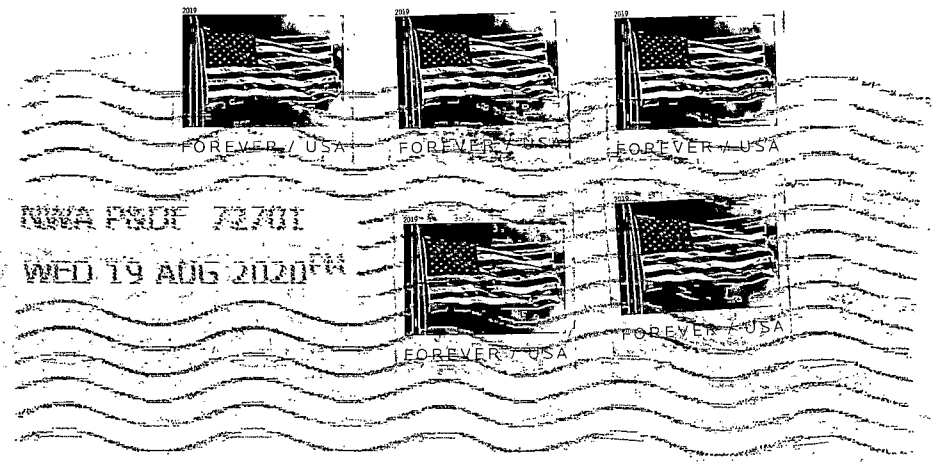
Phone: 479-750-1170 Fax: 479-750-1172


CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters					
Company Name: Legacy Estates		Permit/Project #: Q		Purchase Order #:		Sampler Name(s): Ned Ryerson		and Signature(s): <i>Ned Ryerson</i>		T-Phos (25)	CBOD (70), TSS (28)	Fecal Coliform (43.IF)	NO ₃ +NO ₂ (91), s-TKN (16)	NH ₃ -N (15.A), PAN (99.99)	pH (23)
Address: 13158 Randolph Rd. Tontitown, AR 72770		Purchase Order #:		Sampler Name(s):		and Signature(s):									
Telephone: Ken Gregory's Cell- (479) 790-3813		Purchase Order #:		Sampler Name(s):		and Signature(s):									
Telephone:		Purchase Order #:		Sampler Name(s):		and Signature(s):									
ESC Client Number: 2440		Purchase Order #:		Sampler Name(s):		and Signature(s):		Purchase Order #:		Sampler Name(s):		and Signature(s):		Purchase Order #:	
Sample Identification		Sample Collection				Sample Containers				T-Phos (25)	CBOD (70), TSS (28)	Fecal Coliform (43.IF)	NO ₃ +NO ₂ (91), s-TKN (16)	NH ₃ -N (15.A), PAN (99.99)	pH (23)
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#						
EFFLUENT	2007020091	7-16-20	1641	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	125 ml	Na ₂ S ₂ O ₃	1			X			
EFFLUENT	↓	↓	↓	GRAB	Water	Glass	150 ml	none	0						X
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special				
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No				
Comments: <i>Ned Ryerson - Ned Ryerson</i>		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No				
		FLOW DATA		Field Test		Time	Analyst	Result	Result	Units					
		Analyst:		pH:		1643	NRL	7.3	7.3						
		Time:		Temp.:		1643	NRL	25.6	25.7	°C	°F				
		Reading:		DO:											
		Units:		Debris:											
Cool all samples to 6 degrees C.								Chlorinated? Yes No		This Document is Page 1 of 1					

JWS

Vertical barcode lines



 **NWA UTILITY SERVICES, INC**
PO Box 9299
Fayetteville, AR 72703

Arkansas Dept. of Energy and Environment
Water Division Permits Branch
5301 Northshore Drive
North Little Rock, AR
72118-5317