

**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
12/1/2018	12/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.289271	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.010961	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	17.2	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	1,309	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	7.76	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	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	1/4/2019 MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>) We have adjusted the recycle pump run times to recirculate more settled solids in treatment back to Primary Settling tank. This should lower the amount of solids through the system. We will monitor and report next month.				

Dec-18

LEGACY ESTATES		
PERMIT # 4890-WR-1		
MAXIMUM DAILY FLOW GPD		10961.00
ZONE IDENTIFICATION		LOADING RATE BY ZONE
A 1		894.4176
B 1		824.2672
C 1		491.0528
D 1		1258.3228
E 1		1258.3228
F 1		681.7742
G 1		588.6057
H 1		608.3355
I 1		896.6098
J 1		985.3939
K 1		1183.788
L 1		1285.7253

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: 1812020220
 Customer Name : LEGACY UTILITY,LLC
 Customer/Permit No. : 2440 / 4890-WR-2 N/A
 Report Date : 12/28/18

Sample Date : 12/21/18
 Sample Time : 1008
 Sample Type : GRAB WATER
 Sample From : EFFLUENT

Collected By: RSW
 Delivery By : RSW
 Work Order :
 Purchase Order :

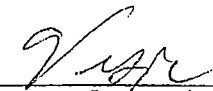
Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
12/21	1020	RSW	pH	7.5	S.U.		SM 2000 4500-H+ B	0.00	N/A *
12/26	1030	TSB	Phosphorous, Total (as P)	7.760	mg/L		EPA 365.3	0.72	108.0 *
12/27	1610	TSB	Solids, Total Suspended	17.2	mg/L	(b)	SM 2011 2540 D	8.87	N/A *
12/21	1630	TSB	Fecal Coliform (MPN/100mL)	1309.0	/100mL		06/2012 Colilert18	0.00	0.0 *
12/21	1400	TSB	BOD, Carbonaceous	< 2.0	mg/L		SM 2001 5210 B	6.13	101.5 *
12/12		ESC	Sample Collection/Travel	1	each				

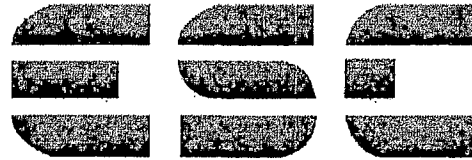
* QA data shown is from a different sample or standard on the same date.
 (b) Exceeds Permit Limits for Maximum Concentration

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

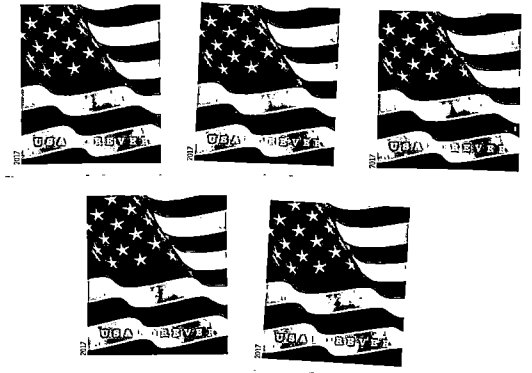
Client Information						Project Information					Requested Parameters					
Company Name: Legacy Estates						Permit/Project #:					pH (23)	T-Phos (25)	CBOD (70), TSS (28)	Fecal Coliform (43.IF)	NO ₃ +NO ₂ (91), s-TKN (16)	NH ₃ -N (15.A), PAN (99.99)
Address: 13158 Randolph Rd. Tontitown, AR 72770						Purchase Order #:										
Telephone: Ken Gregory's Cell- (479) 790-3813						Sampler Name(s): Steve Woosley										
Telephone:						and Signature(s): <i>[Signature]</i>										
ESC Client Number: 2440																
Sample Identification		Sample Collection				Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
EFFLUENT	1812020220	12/21/18	1008	GRAB	Water	glass	150 ml	none		X						
EFFLUENT				GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		X					
EFFLUENT				GRAB	Water	Plastic	1 qt	none/ice	1			X				
EFFLUENT				GRAB	Water	Whirlpak	125 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:								
<i>[Signature]</i> Steve Woosley		12/21/18	1100	<i>[Signature]</i>				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:								
				<i>[Signature]</i>				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:								
				<i>[Signature]</i>		12/21/18	1100	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units				
Quarterly						Analyst:	pH:	1020	RSW	7.5	7.5					
						Time:	Temp.:	1020	RSW	12.9	12.9	(C) °F				
						Reading:	DO:									
						Units:	Debris:									
Cool all samples to 6 degrees C.						Chlorinated? Yes No			This Document is Page <u>1</u> of <u>1</u>							

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P.O.
Fayetteville

BC: 72118532801 DUZ326N009194-00470

UNABLE TO FORWARD/FOR REVIEW
731 7E N C0001/09/19
R015



ADEQ Water Division
Permits Branch
5301 Northshore Dr
N Little Rock, AR 72118-5317