

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

PERMITTEE NAME

Waterford Estates at Hissom Ranch POA

PERMITTEE ADDRESS

3567 W New Hope Rd
Rogers, AR 72756

FACILITY NAME (IF DIFFERENT)

Waterford Estates at Hissom Ranch POA

FACILITY ADDRESS

2323 Bowen Blvd
Fayetteville AR 72703

PERMIT NO.

4815-WR-4

AFIN NO.

72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY

3/1/2020

MM/DD/YYYY

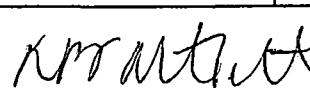
3/31/2020

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.351,502	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.049,653	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	15.2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	10.5	mg/l		
Fecal Colliform Bacteria (FCB)	2,000	432	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	6.96	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT		mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT		mg/l		
Plant Available Nitrogen (PAN)	REPORT		mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE 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 PRINCIPAL
EXECUTIVE OFFICER OR
AUTHORIZED AGENT**

TELEPHONE

(479) 530-5926

DATE

4/13/2020

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Continuing to repair multiple dripline connections where original installers used improper fittings

March 2020 WATERFORD ESTATES LOADING RATES	
Daily Max	49,653
Zone Identification	GPD/sq 2
Zone 1A	4,121
Zone 1B	4,048
Zone 2A	4,048
Zone 2B	3,046
Zone 3A	4,048
Zone 3B	4,048
Zone 4A	4,048
Zone 4B	4,048
Zone 5A	4,345
Zone 5B	4,548
Zone 6A	4,345
Zone 6B	4,960

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: 2003020138
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 03/24/20

Sample Date : 03/18/20
Sample Time : 1115
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: BRS
Delivery By : BRS
Work Order :
Purchase Order :

Laboratory Analysis

Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
03/18	1115	BRS	pH	7.8 S.U.			SM 2011 4500-H+ B	
03/24	0815	TSB	Phosphorous, Total (as P)	6.96 mg/L			EPA 365.3	3.60
03/23	1300	TSB	Solids, Total Suspended	10.5 mg/L			SM 2011 2540 D	0.78
03/18	1650	TSB	Fecal Coliform (MPN/100mL)	432.4 /100ml			06/2012 Colilert18	0.00
03/18	1400	TSB	BOD, Carbonaceous	15.2 mg/L	(b)		SM 2001 5210 B	8.40
								% Recovery
								105.0 *
								N/A *
								N/A *
								95.1 *

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

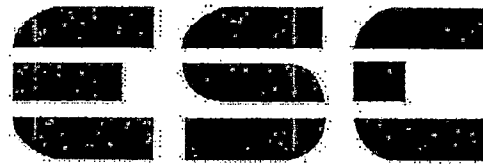
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

1,351,502
49,653

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

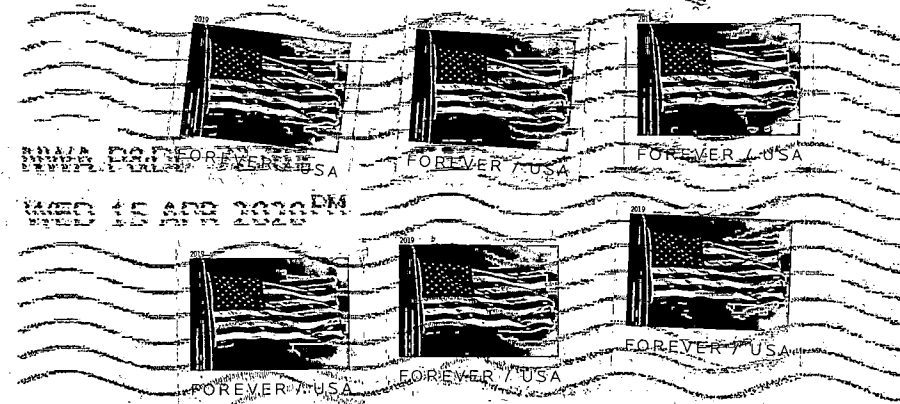
Phone: 479-750-1170 Fax: 479-750-1172

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters									
Company Name: Waterford Estates						Permit/Project #:					BOD (3), TSS (28)	T-Phos (25)	Fecal Coliform (43.1F)	pH (23)						
Address: 1695 Electric Avenue						Purchase Order #:														
Springdale AR 72764																				
Telephone: (479)751-8868						Sampler Name(s): Brian Steichman														
FAX: (479)757-7650						and Signature(s): <i>[Signature]</i>														
ESC Client Number: 1886																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Dose Tank/Effluent	2003020138	3/18/20	11:15	Grab	Water	Plastic	1/2 gal	None, Cool	1	X										
Dose Tank/Effluent	↓	↓		Grab	Water	Plastic	250 mL	H2SO4, pH < 2	1		X									
Dose Tank/Effluent	↓	↓		Grab	Water	Sterile	100 mL	Na2S2O3, Cool	1			X								
Dose Tank/Effluent	↓	↓		Grab	Water	Glass	8 oz	None	0				X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:												
Brian Steichman		3/18/20	12:00	[Signature]				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:												
				[Signature]				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:												
				[Signature]		3/18/20	12:00	Yes <input type="checkbox"/> No <input type="checkbox"/>												
Comments:						FLOW DATA		Field Test		Time		Analyst		Result		Result		Units		
						Analyst:		pH:		11:15		BRS		7.8		7.8				
						Time:		Temp.:		↓		↓		16.5		16.5		°C		
						Reading:		DO:												
						Units:		Debris:												
Cool all samples to 6 degrees C.						Chlorinated? Yes <input checked="" type="checkbox"/>		This Document is Page 1 of 1												

NWA UTIL

PO Box 9299
Fayetteville, AR
72703



ADEQ
Water Div. Permits Branch
5301 Northshore Dr.
N Little Rock, AR

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