

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		MM/DD/YYYY
5/1/2019		5/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.048621	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.044904	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	4.6	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4.9	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	16	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	8.35	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-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	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.	<div style="text-align: center;">  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT </div>	TELEPHONE		DATE
Kathy Bartlett TYPED OR PRINTED			(479) 530-5926		6/7/2019
					MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

May 2019 WATERFORD ESTATES LOADING RATES 44,904 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,727
Zone 1B	3,547
Zone 2A	3,547
Zone 2B	3,368
Zone 3A	3,547
Zone 3B	3,547
Zone 4A	3,547
Zone 4B	3,547
Zone 5A	3,929
Zone 5B	4,113
Zone 6A	3,929
Zone 6B	4,490

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

Sample Date : 05/15/19
Sample Time : 1230
Sample Type : GRAB WATERFORD
Sample From : EFFLUENT DOSE TANK

Collected By: JEW
Delivery By : JEW
Work Order :
Purchase Order :

Analysis							
Date	Time	By	Parameter	Result	Notes	Quantity	Method
05/15	1240	JEW	pH	7.8	S.U.		SM 2000 4500-H+ B
05/20	1040	AKA	Phosphorous, Total (as P)	8.350	mg/L		EPA 365.3
05/21	0910	TSB	Solids, Total Suspended	4.9	mg/L		SM 2011 2540 D
05/15	1616	VLP	Fecal Coliform (MPN/100mL)	16.4	/100ml		06/2012 Colilert18
05/15	1500	AKA	BOD, Carbonaceous	4.6	mq/L		SM 2001 5210 B

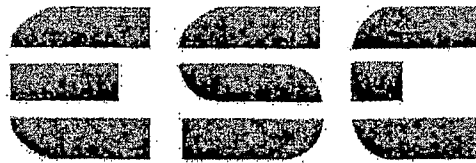
<u>Precision</u>	<u>Accuracy</u>
<u>% RPD</u>	<u>% Recovery</u>
0.00	N/A *
0.82	106.0 *
8.11	N/A *
15.38	0.0 *
19.44	109.1 *

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: Waterford Estates				Permit/Project #:						<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">pH(23)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">F. Coliform(43,IF)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CBOD(70), TSS(28)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Phos(25)</div> </div>							
Address: 1695 Electric Avenue				Purchase Order #:													
Springdale AR 72764																	
Telephone: (479)751-8868				Sampler Name(s): <i>James W. Hise</i>													
FAX: (479)757-7650				and Signature(s):													
ESC Client Number: 1886																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
Dose Tank/Effluent	1905020087	5-15-19	1230	Grab	Water	Teflon	150 ml	none	1	<input checked="" type="checkbox"/>							
Waterford Estates				Grab	Water	whirlpak	300 ml	none/ice	1		<input checked="" type="checkbox"/>						
				Grab	Water	Plastic	1/2 gal	none/ice	1			<input checked="" type="checkbox"/>					
				Grab	Water	Plastic	8 oz	H ₂ SO ₄ , pH <2	1				<input checked="" type="checkbox"/>				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:							
<i>James W. Hise</i>		5-15-19	1500							Used? <input type="checkbox"/> Intact? <input type="checkbox"/>							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:							
										Regular <input 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>Alexis Anderson</i>				5-15-19	1500	Yes <input type="checkbox"/> No <input type="checkbox"/>							
Comments:						FLOW DATA		Field Test	Time	Analyst	Result	Result	Units				
						Analyst:		pH:	1240	YEW	7.8	7.8					
						Time:		Temp.:	1240	YEW	24.7	24.8	°C °F				
						Reading:		DO:									
						Units:		Debris:									
Cool all samples to 6 degrees C.										Chlorinated? Yes No		This Document is Page ___ of ___					