

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.

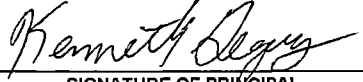
72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY		MM/DD/YYYY
1/1/2017		1/31/2017

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.922765	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.036265	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	< 2	mg/l		
Fecal Collform Bacteria (FCB)	2,000	56	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	7.2	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	53.76	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	52.7	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	7.8	mg/l		
Plant Available Nitrogen (PAN)	REPORT	60.8	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		DATE
Kathy Bartlett TYPED OR PRINTED			(479) 530-5926		2/8/2017 MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>)					

WATERFORD ESTATES LOADING RATES *Jan 2017*

Zone Identification	GPD/sq 2
Zone 1A	3,010
Zone 1B	2,865
Zone 2A	2,865
Zone 2B	2,720
Zone 3A	2,865
Zone 3B	2,865
Zone 4A	2,865
Zone 4B	2,865
Zone 5A	3,173
Zone 5B	3,322
Zone 6A	3,173
Zone 6B	3,627

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: 1701020172
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 01/25/17

Sample Date : 01/18/17
Sample Time : 0915
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: JB
Delivery By : JB
Work Order :
Purchase Order :

Laboratory Analysis

Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
01/18	1530	TSB	Ammonia Nitrogen	52.7 mg/L			SM 1997 4500-NH3 F	0.00
01/23	0930	TSB	Kjeldahl Nitrogen Total	53.76 mg/L			SM 1997 4500-NorgB	1.74
01/18	0915	JCB	pH	7.8 S.U.			SM 2000 4500-H+ B	0.00
01/19	1130	TSB	Phosphorous, Total (as P)	7.2 mg/L			EPA 365.3	1.65
01/19	1150	AEU	Solids, Total Suspended	< 2.0 mg/L			SM 1997 2540 D	35.29
01/19	1545	JCB	Coliform, Fecal	56 /100ml			SM 9222 D 1997	22.22
01/18	1204	AEU	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.17
01/19	1000	TSB	Nitrate + Nitrite	7.8 mg/L			SM 2000 4500-NO3 E	0.90
01/24	0945	TSB	Nitrogen, Plant Available	60.8 mg/L			SM 1997 4500-N	
01/18	0915	JCB	Sample Collection/Travel	1 each				
								% Recovery
								100.9 *
								101.1 *
								N/A *
								104.7 *
								N/A *
								N/A *
								104.4 *
								104.7 *

* 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

Richard Brown

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 #:					pH(23)	F. Coliform(43)	CBOD(70), TSS(28), PAN(99.99)	NH3(15.A), Phos(25)	TKN(16.A), N+N(91)				
Address: 1695 Electric Avenue						Purchase Order #:													
Springdale AR 72764																			
Telephone: (479)751-8868						Sampler Name(s): John Byrd													
FAX: (479)757-7650						and Signature(s): <i>John Byrd</i>													
ESC Client Number: 1886																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Dose Tank/Effluent	1701020172	1/18/17	0915	Grab	Water	Teflon	150 ml	none	1	x									
Waterford Estates				Grab	Water	whirlpak	300 ml	none/ice	1		x								
				Grab	Water	Plastic	1 qt	none/ice	1			x							
				Grab	Water	Plastic	8 oz	H ₂ SO ₄ , pH <2	1				x	x					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:											
<i>John Byrd</i>		1/18/17	1030					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:											
								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>Amber Howard</i>		1/18/17	1030	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>									
Comments:						FLOW DATA		Field Test	Time	Analyst	Result	Result	Units						
						Analyst:		pH:	0915	JCB	7.8	7.8							
						Time:		Temp.:			12.3	12.3	°F						
						Reading:		DO:											
						Units:		Debris:											
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1									