

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

FACILITY NAME (IF DIFFERENT)

Waterford Estates at Hissom Ranch POA

PERMIT NO.

4815-WR-4

PERMITTEE ADDRESS

3567 W New Hope Rd
Rogers, AR 72756

FACILITY ADDRESS

2323 Bowen Blvd
Fayetteville AR 72703

AFIN NO.

72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY

11/1/2016

MM/DD/YYYY

11/30/2016

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.863283	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maxlmun	REPORT	0.029773	MGD	Daily	
Carbonaceous Blochemical Oxygen Demand (CBOD5)	15	< 3	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4.5	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.6	s.u.		
Total Phosphorus (TP)	REPORT	7.6	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.

Kathy Bartlett

TYPED OR PRINTED

Kenneth Doney
SIGNATURE OF PRINCIPAL
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE

(479) 530-5926

DATE

12/13/2016

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

WATERFORD ESTATES LOADING RATES Nov 2106 Max Daily=29,773 gal

Zone Identification	GPD/sq 2
Zone 1A	2,471
Zone 1B	2,352
Zone 2A	2,352
Zone 2B	2,233
Zone 3A	2,352
Zone 3B	2,352
Zone 4A	2,352
Zone 4B	2,352
Zone 5A	2,605
Zone 5B	2,727
Zone 6A	2,605
Zone 6B	2,977

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: 1611020201
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 11/21/16

Sample Date : 11/16/16
Sample Time : 0945
Sample Type : GRAB
Sample From : WEATHERFORD DOSE TK

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

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
11/16	0945	JCB	pH	7.6 S.U.			0.00	N/A *
11/17	0830	TSB	Phosphorous, Total (as P)	7.6 mg/L			1.24	101.0 *
11/18	1307	AEU	Solids, Total Suspended	4.5 mg/L			16.67	N/A *
11/16	1005	VLP	Coliform, Fecal	< 4 /100ml			0.00	N/A *
11/16	1400	AEU	BOD, Carbonaceous	< 3.0 mg/L			4.95	95.0 *
* QA data shown is from a different sample or standard on the same date.								

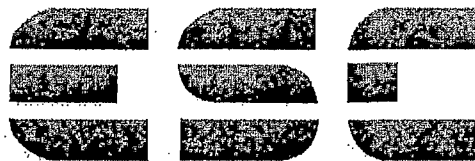
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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)	Phos(25)						
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	1611620201	11/16/16	0945	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							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:												
<i>John Byrd</i> John Byrd		11/16/16	1145					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>Richard Brown</i> RICHARD BROWN		11/16/16	1145	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	945	3CB	7.6	7.6	°F								
						Time:	Temp.:			19.5	19.5									
						Reading:	DO:													
						Units:	Debris:													
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1										