

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


2/1/2017

MM/DD/YYYY

2/28/2017

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.751405	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.028561	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	12	mg/l		
Fecal Colliform Bacteria (FCB)	2,000	32	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	7.4	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	3/14/2017
TYPED OR PRINTED				MM/DD/YYYY

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

WATERFORD ESTATES LOADING RATES Feb 2017, 28,561GPD Max

Zone Identification	GPD/sq 2
Zone 1A	2,371
Zone 1B	2,256
Zone 2A	2,256
Zone 2B	2,142
Zone 3A	2,256
Zone 3B	2,256
Zone 4A	2,256
Zone 4B	2,256
Zone 5A	2,499
Zone 5B	2,616
Zone 6A	2,499
Zone 6B	2,856

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: 1702020189
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 02/21/17

Sample Date : 02/15/17
Sample Time : 0930
Sample Type : GRAB
Sample From : DOSE TANK/ EFFLUENT

Collected By: JCB
Delivery By : JCB
Work Order :
Purchase Order :

Laboratory Analysis

Analysis			Parameter	Result	Notes	Quantity	Method
02/15	0930	JCB	pH	7.7 S.U.			SM 2000 4500-H+ B
02/21	0800	TSB	Phosphorous, Total (as P)	7.4 mg/L			EPA 365.3
02/17	1234	AEU	Solids, Total Suspended	12.0 mg/L			SM 1997 2540 D
02/16	1450	JCB	Coliform, Fecal	32 /100ml			SM 9222 D 1997
02/15	1400	AEU	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B
02/15	0930	JCB	Sample Collection/Travel	1 each			

Quality Assurance	
Precision	Accuracy
% RPD	% Recovery
0.00	N/A *
1.90	100.0 *
20.00	N/A *
55.56	N/A *
0.00	100.9

* QA data shown is from a different sample or standard on the same date.

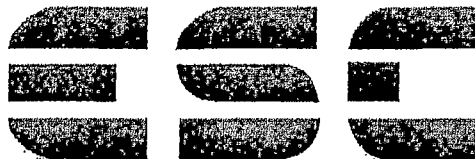
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

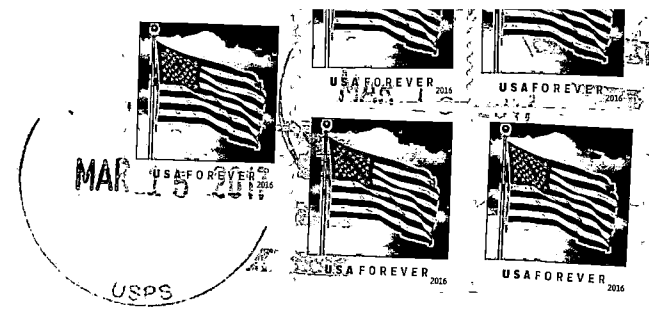
Carlsbad, New Mexico
575-887-1ESC

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	1702020189	2/16/17	0930	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:		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:		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>					
Comments:						FLOW DATA		Field Test		Time	Analyst	Result	Result	Units			
						Analyst:		pH:		0936	JCB	7.7	7.7				
						Time:		Temp.:				11.2	11.3	°F			
						Reading:		DO:									
						Units:		Debris:									
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1							

GCD
P.O. Box 9299
Fayetteville, AR 72703



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

