

**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
5/1/2017		5/31/2017

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.934531	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.038645	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	7.5	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	

<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b>	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION	<b>TELEPHONE</b>	<b>DATE</b>
Kathy Bartlett  <b>TYPED OR PRINTED</b>	SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR	 <b>SIGNATURE OF PRINCIPAL</b> <b>EXECUTIVE OFFICER OR</b> <b>AUTHORIZED AGENT</b>	(479) 530-5926
	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.		6/10/2017  MM/DD/YYYY

**COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)** We found a couple small leaks in the drip field this month. We are in process of repairing them now.

May 2017 WATERFORD ESTATES LOADING RATES 38,645 Max Day FI

Zone Identification	GPD/sq 2
Zone 1A	3,208
Zone 1B	3,053
Zone 2A	3,053
Zone 2B	2,898
Zone 3A	3,053
Zone 3B	3,053
Zone 4A	3,053
Zone 4B	3,053
Zone 5A	3,381
Zone 5B	3,540
Zone 6A	3,381
Zone 6B	3,865

# 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: 1705020172	Sample Date : 05/17/17	Collected By: AEU
Customer Name : GREENFIELD CAP DEV-WATERFORD	Sample Time : 0910	Delivery By : AEU
Customer/Permit No. : 1886 / 4815-WR-4	Sample Type : GRAB WATERFORD	Work Order :
Report Date : 05/23/17	Sample From : DOSE TANK EFFLUENT	Purchase Order :

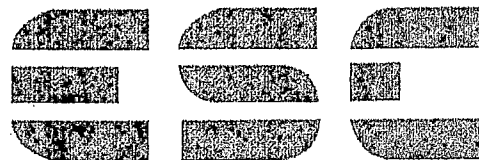
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
05/17	0912	AEU	pH	7.7 S.U.		SM 2000 4500-H+ B	0.00	N/A *
05/18	1000	TSB	Phosphorous, Total (as P)	7.5 mg/L		EPA 365.3	0.00	103.2 *
05/22	1330	JCB	Solids, Total Suspended	4.0 mg/L		SM 1997 2540 D	5.13	N/A *
05/17	1540	RHB	Coliform, Fecal	< 4 /100ml		SM 9222 D 1997	0.00	N/A *
05/17	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	0.00	108.0
05/17	0912	AEU	Sample Collection/Travel	1 each				

\* 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						Sampler Name(s): <i>Amber Underwood</i> and Signature(s): <i>[Signature]</i>											
Telephone: (479)751-8868																	
FAX: (479)757-7650																	
ESC Client Number: 1886																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
Dose Tank/Effluent	170502070	5/17/17	0910	Grab	Water	Teflon	150 ml	none	1	x							
Waterford Estates	I	I	I	Grab	Water	whirlpak	300 ml	none/ice	1		x						
				Grab	Water	Plastic	1 qt	none/ice	1			x					
				Grab	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH <2	1				x				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:									
<i>[Signature]</i> Amber Underwood		5/17/17	1050	<i>[Signature]</i>				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:									
				<i>[Signature]</i>				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>[Signature]</i> Amber Underwood		5/17/17	1050	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Comments:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units					
				Analyst:		pH:		10912	AEU	7.7	7.7	°F					
				Time:		Temp.:		1	AEU	20.0	20.0	°C					
				Reading:		DO:											
				Units:		Debris:											
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1							