

**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

4/1/2017

MM/DD/YYYY

4/30/2017

**TREATED WASTEWATER EFFLUENT SAMPLING**

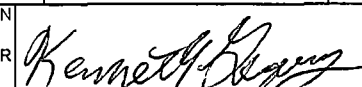
TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.042795	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.039533	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	4.1	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	8.2	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	56	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	56	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	5.2	mg/l		
Plant Available Nitrogen (PAN)	REPORT	61.2	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

  
**SIGNATURE OF PRINCIPAL**  
**EXECUTIVE OFFICER OR**  
**AUTHORIZED AGENT**

TELEPHONE

(479) 530-5926

DATE

5/9/2017

MM/DD/YYYY

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

April 2017 WATERFORD ESTATES LOADING RATES 39,533 Gallons

Zone Identification	GPD/sq 2
Zone 1A	3,281
Zone 1B	3,123
Zone 2A	3,123
Zone 2B	2,965
Zone 3A	3,123
Zone 3B	3,123
Zone 4A	3,123
Zone 4B	3,123
Zone 5A	3,459
Zone 5B	3,621
Zone 6A	3,459
Zone 6B	3,953

# 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: 1704020172  
Customer Name : GREENFIELD CAP DEV-WATERFORD  
Customer/Permit No. : 1886 / 4815-WR-4  
Report Date : 04/26/17

Sample Date : 04/19/17  
Sample Time : 0905  
Sample Type : GRAB WATERFORD  
Sample From : DOSE TANK EFFLUENT

Collected By: AEU  
Delivery By : AEU  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/20	0845	JCB	Ammonia Nitrogen	56.0 mg/L			9.52	96.1 *
04/25	0730	TSB	Total Kjeldahl Nitrogen	56.00 mg/L			1.82	104.0 *
04/19	0907	AEU	pH	7.8 S.U.			1.36	N/A *
04/24	1325	TSB	Phosphorous, Total (as P)	8.2 mg/L			1.98	103.2 *
04/21	1310	JCB	Solids, Total Suspended	4.1 mg/L			46.15	N/A *
04/19	1630	JCB	Coliform, Fecal	< 4 /100ml			0.00	N/A
04/19	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			1.48	100.7 *
04/20	1030	TSB	Nitrate + Nitrite	5.2 mg/L			0.00	99.2 *
04/26	0915	RHB	Nitrogen, Plant Available	61.2 mg/L				
04/19	0907	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.

