

**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-1

**AFIN NO.**  
 72-00974

WASTEWATER EFFLUENT MONITORING PERIOD		
MM/DD/YYYY		MM/DD/YYYY
5/1/2016		5/31/2016

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	912,585	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maxlmun	REPORT	32,330	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	2.5	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 4	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	7.9	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT		mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT		mg/l		
Plant Available Nitrogen (PAN)	REPORT		mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  <div style="text-align: center;">Kathy Bartlett</div> TYPED OR PRINTED	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.	<div style="text-align: center;">   <b>SIGNATURE OF PRINCIPAL</b>  <b>EXECUTIVE OFFICER OR</b>  <b>AUTHORIZED AGENT</b> </div>	TELEPHONE  (479) 530-5926	DATE  6/12/2016  MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS ( <i>Reference all attachments here</i> )				

WATERFORD ESTATES LOADING RATES	
Zone Identification	GPD/sq 2
Zone 1A	2,683
Zone 1B	2,554
Zone 2A	2,554
Zone 2B	2,425
Zone 3A	2,554
Zone 3B	2,554
Zone 4A	2,554
Zone 4B	2,554
Zone 5A	2,829
Zone 5B	2,961
Zone 6A	2,829
Zone 6B	3,233

# 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: 1605020248	Sample Date : 05/18/16	Collected By: VLP
Customer Name : GREENFIELD CAP DEV-WATERFORD	Sample Time : 0900	Delivery By : VLP
Customer/Permit No. : 1886 / 4815-WR-4	Sample Type : GRAB WATERFORD	Work Order :
Report Date : 05/24/16	Sample From : DOSE TANK EFFLUENT	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Parameter</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>% RPD</u>	<u>% Recovery</u>
05/18	0905	VLP	pH	7.7 S.U.			SM 2000 4500-H+ B	0.00	N/A *
05/19	1330	TSB	Phosphorous, Total (as P)	7.9 mg/L			EPA 365.3	1.60	104.8 *
05/23	1650	CLS	Solids, Total Suspended	2.5 mg/L			SM 1997 2540 D	0.00	N/A *
05/18	1700	RHB	Coliform, Fecal	< 4 /100ml			SM 9222 D 1997	0.00	N/A *
05/18	1430	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.00	90.6 *

\* 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.

