

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

8/1/2017

MM/DD/YYYY

8/31/2017

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.900828	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maxlmun	REPORT	0.039737	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 Colliform Bacteria (FCB)	2,000	4	colonies/100ml		
pH	6.0 - 9.0	7.8	s.u.		
Total Phosphorus (TP)	REPORT	6.6	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 Beatty
SIGNATURE OF PRINCIPAL
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE

DATE

(479) 530-5926

9/8/2017

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

Aug 2017 WATERFORD ESTATES LOADING RATES 39,737 Max Day

Zone Identification	GPD/sq 2
Zone 1A	3,298
Zone 1B	3,139
Zone 2A	3,139
Zone 2B	2,980
Zone 3A	3,139
Zone 3B	3,139
Zone 4A	3,139
Zone 4B	3,139
Zone 5A	3,477
Zone 5B	3,640
Zone 6A	3,477
Zone 6B	3,974

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: 1708020174
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 08/22/17

Sample Date : 08/16/17
Sample Time : 0902
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

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

Laboratory Analysis

Analysis

<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>
08/16	0906	AEU	pH	7.8 S.U.			SM 2000 4500-H+ B
08/18	1500	TSB	Phosphorous, Total (as P)	6.6 mg/L			EPA 365.3
08/21	1200	JCB	Solids, Total Suspended	< 2.5 mg/L			SM 1997 2540 D
08/16	1615	JCB	Coliform, Fecal	4 /100ml			SM 9222 D 1997
08/16	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B
08/16	0906	AEU	Sample Collection/Travel	1 each			

Quality Assurance

<u>Precision</u>	<u>Accuracy</u>
<u>% RPD</u>	<u>% Recovery</u>
0.00	N/A *
0.00	99.0 *
15.19	N/A *
0.00	N/A *
0.00	91.1

* 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.

Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

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