

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 |
| 9/1/2016 | | 9/30/2016 |

TREATED WASTEWATER EFFLUENT SAMPLING

| PARAMETER | Limit | Sample Measurement | UNITS | Monitoring | Reporting |
|---|-----------|--------------------|----------------|-------------------------------|--|
| Flow, Monthly total | REPORT | 0.755202 | MG | Total Flow per calendar month | Prior to the 15th of the following Month |
| Flow, daily maximun | REPORT | 0.031040 | MGD | Daily | |
| Carbonaceous Blochemical Oxygen Demand (CBOD5) | 15 | < 2 | mg/l | Grab Sample once per month | |
| Total Suspended Solids (TSS) | 15 | < 2 | mg/l | | |
| Fecal Collform Bacteria (FCB) | 2,000 | < 2 | colonies/100ml | | |
| pH | 6.0 - 9.0 | 7.1 | 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 | |

| | | | | |
|--|---|--|---------------------------------|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <div style="text-align: center;">Kathy Bartlett</div> TYPED OR PRINTED | 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. | <div style="text-align: center;">  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT </div> | TELEPHONE (479) 530-5926 | DATE 10/11/2016 MM/DD/YYYY |
| COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>) | | | | |

WATERFORD ESTATES LOADING RATES Sept 2016

| Zone Identification | GPD/sq 2 |
|---------------------|----------|
| Zone 1A | 2,576 |
| Zone 1B | 2,452 |
| Zone 2A | 2,452 |
| Zone 2B | 2,328 |
| Zone 3A | 2,452 |
| Zone 3B | 2,452 |
| Zone 4A | 2,452 |
| Zone 4B | 2,452 |
| Zone 5A | 2,716 |
| Zone 5B | 2,843 |
| Zone 6A | 2,716 |
| Zone 6B | 3,104 |

Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

G:\WP\...OCIFORMS\CHAIN.XLS

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: 1609020160
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 09/26/16

Sample Date : 09/21/16
Sample Time : 0835
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: JB
Delivery By : JB
Work Order :
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> |
| 09/21 | 0835 | JCB | pH | 7.1 S.U. | | SM 2000 4500-H+ B | 0.00 | N/A * |
| 09/23 | 0930 | TSB | Phosphorous, Total (as P) | 7.5 mg/L | | EPA 365.3 | 1.46 | 98.6 * |
| 09/22 | 1435 | AEU | Solids, Total Suspended | < 2.0 mg/L | | SM 1997 2540 D | 33.33 | N/A * |
| 09/21 | 1045 | JCB | Coliform, Fecal | < 2 /100ml | | SM 9222 D 1997 | 66.67 | N/A * |
| 09/21 | 1400 | TSB | BOD, Carbonaceous | < 2.0 mg/L | | SM 2001 5210 B | 3.34 | 97.0 * |

* 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.