

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
MONTHLY MONITORING REPORT**

**PERMITTEE NAME**  
Greenfield Capital Development

**FACILITY NAME (IF DIFFERENT)**  
Sloan Estates

**PERMIT NO.**  
4837-W

NEW PERMIT IN THE PROCESS OF BEING APPLIED FOR BY SLOAN ESTATES POA

**PERMITTEE ADDRESS**  
PO Box 9299  
Fayetteville, AR 72703


**FACILITY ADDRESS**  
5088 E Sagely  
WC AR

**AFIN NO.**  
72-01074

**WASTEWATER EFFLUENT MONITORING PERIOD**  
FROM **MM/DD/YYYY** 4/1/2014 TO **MM/DD/YYYY** 4/30/2014

**TREATED WASTEWATER EFFLUENT SAMPLING**

| PARAMETER   | PERMIT REQUIREMENT | SAMPLE MEASUREMENT |           | UNITS    | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|--------------------|--------------------|-----------|----------|-----------------------|-------------|
| PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE            | *****              | 5.8                |           | MG/L     | ONCE/MONTH            | GRAB        |
| CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE              | 15                 | 6                  |           | MG/L     | ONCE/MONTH            | GRAB        |
| PH EFFLUENT GROSS VALUE                                   | 6 to 9             | 6.9                |           | S.U.     | ONCE/MONTH            | GRAB        |
| SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE              | 15                 | 2                  |           | MG/L     | ONCE/MONTH            | GRAB        |
| NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE       | *****              | 6.5                |           | MG/L     | ONCE/MONTH            | GRAB        |
| COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE              | 10,000             | 5,200              |           | N/100 ML | ONCE/MONTH            | GRAB        |
| FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE | *****              | MONTHLY TOTAL      | DAILY MAX | GPD      | ONCE/MONTH            | TOTAL FLOW  |
|   |                    | 37,235             |           |          |                       |             |

|  |   |   |              |          |
|--|---|---|--------------|----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>Kathryn Bartlett<br><br>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. | <br>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE    | DATE     |
|  |   |   | 479 530-5926 | 5/1/2014 |
| AREA CODE  | NUMBER  |   | MM/DD/YYYY   |          |

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

# 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: 1404020231  
 Customer Name : GREENFIELD CAP DEV-SLOAN EST.  
 Customer Number : 1678  
 Report Date : 04/23/14

Sample Date : 04/16/14  
 Sample Time : 0845  
 Sample Type : GRAB SLOAN  
 Sample From : EFFLUENT

Collected By: WDS  
 Delivery By : WDS  
 Work Order :  
 Purchase Order :

### Laboratory Analysis

| <u>Analysis</u> |             |           |                           |               |              |                 | <u>Quality Assurance</u> |                            |                               |
|-----------------|-------------|-----------|---------------------------|---------------|--------------|-----------------|--------------------------|----------------------------|-------------------------------|
| <u>Date</u>     | <u>Time</u> | <u>By</u> | <u>Parameter</u>          | <u>Result</u> | <u>Notes</u> | <u>Quantity</u> | <u>Method</u>            | <u>Precision<br/>% RPD</u> | <u>Accuracy<br/>% Recover</u> |
| 04/21           | 1030        | TSB       | Ammonia Nitrogen          | 6.5 mg/L      |              |                 | SM 1997 4500-NH3 F       | 1.96                       | 111.0                         |
| 04/16           | 0845        | WDS       | pH                        | 6.9 S.U.      |              |                 | SM 18th 4500-H+ B        | 0.00                       | N/A                           |
| 04/21           | 0800        | TSB       | Phosphorous, Total (as P) | 5.8 mg/L      |              |                 | EPA 365.3                | 2.47                       | 102.5                         |
| 04/21           | 1545        | KIK       | Solids, Total Suspended   | 2.0 mg/L      |              |                 | SM 1997 2540D            | 20.00                      | N/A                           |
| 04/16           | 1400        | RHB       | Coliform, Fecal           | 5200 /100ml   |              |                 | 1997 SM 9222 D           | 0.00                       | N/A                           |
| 04/18           | 0730        | RHB       | BOD, Carbonaceous         | 6.0 mg/L      |              |                 | SM 2001 5210B            | 0.00                       | 93.9                          |

\* 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.



Fayetteville, AR 72703



ADEQ Water Division  
Permits Branch  
5301 Northshore Dr  
N Little Rock, AR 72118-5317