



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

Re: Richland County  
Briarwood Estates MHP  
NPDES Permit

December 28, 2012

Ms. Diane Smith  
c/o Granite Creations  
7740 North Business Park Drive  
Tucson, Arizona 85743

Dear Ms. Smith:

On November 16, 2012, an inspection was conducted of the wastewater treatment facilities serving the Briarwood Estates Mobile Home Park (MHP) located on Lexington-Springmill Road, just north of the City of Ontario. At the time of the inspection, all major treatment units were in operation. Debbie Hammer, park manager, accompanied me during the inspection. No concerns with the treatment plant operations were noted. All of the major equipment was in service and appeared to be operating normally. A clear effluent was being discharged to the receiving stream.

The operators' log at the wastewater plant was reviewed during the inspection and found to be in good order. The certified contract operator, Dean's Backflow Service, is visiting the treatment plant three times a week as required by your National Pollutant Discharge Elimination System (NPDES) permit.

A review of the discharge monitoring reports (DMRs) submitted to our office for the time period of May through November 2012 revealed one **violation** of the limits contained in your NPDES permit. The **violation** was for not meeting the dissolved oxygen limit contained in your permit in the October 22, 2012 sample. The daily readings are now being recorded as required by the NPDES permit.

Our office has been made aware of the electrical service issues that occur at the treatment plant site and understand the effects power fluctuations can create on treatment plant equipment. We urge you to continue working to address this issue and achieve a solution to provide reliable power to the treatment plant.

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Your permit requires that a sign be placed at the outfall notifying the public of your discharge. Please refer to Page 7, Item K of your NPDES permit for details on the language the sign should contain. This sign should have been erected no later than April 1, 2011. Please complete this requirement as soon as possible.

If you have any questions, please call me at 419-373-3070.

Sincerely,



Walter Ariss, P.E.  
Environmental Specialist II  
Division of Surface Water

/jlm

Enclosure

pc: Debbie Hammer, Briarwood Estates MHP  
Kevin Dean, Dean's Backflow Service

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PT00018

Facility Name Briarwood MHP Expiration Date 11/30/15

Facility Address 1835 N. Lexington-Springmill Rd Date 11/16/12 Time 12:00 am (pm)

City Ontario County Richland Township \_\_\_\_\_

Name and Address of Owner Diane Smith

Person Contacted Debbie Hammer Owner Phone \_\_\_\_\_

Flow: Design 30,000 GPD Present 0-40,000 GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 46° Sun

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

| No. | Severity Description | No.                                 | Turbidity    | No.                                 | Odor   | No.                                 | Color     |
|-----|----------------------|-------------------------------------|--------------|-------------------------------------|--------|-------------------------------------|-----------|
| 0   | None                 | <input checked="" type="checkbox"/> | Clear        | <input checked="" type="checkbox"/> | None   | <input checked="" type="checkbox"/> | Colorless |
| 1   | Mild                 |                                     |              |                                     |        |                                     |           |
| 2   | Moderate             |                                     | Light Solids |                                     | Musty  |                                     | Grey      |
| 3   | Serious              |                                     |              |                                     |        |                                     |           |
| 4   | Extreme              |                                     | Heavy Solids |                                     | Septic |                                     | Black     |

2. Effect of effluent on Receiving Stream Name: unnamed trib Black Fork Mohican

| No. | Severity Description | No.                                 | Turbidity    | No.                                 | Odor   | No.                                 | Color     |
|-----|----------------------|-------------------------------------|--------------|-------------------------------------|--------|-------------------------------------|-----------|
| 0   | None                 | <input checked="" type="checkbox"/> | Clear        | <input checked="" type="checkbox"/> | None   | <input checked="" type="checkbox"/> | Colorless |
| 1   | Mild                 |                                     |              |                                     |        |                                     |           |
| 2   | Moderate             |                                     | Light Solids |                                     | Musty  |                                     | Grey      |
| 3   | Serious              |                                     |              |                                     |        |                                     |           |
| 4   | Extreme              |                                     | Heavy Solids |                                     | Septic |                                     | Black     |

3. a. Plant has \_\_\_\_\_ excellent  good \_\_\_\_\_ fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent  good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent  good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance

d. Not operating at expected efficiency due to:

- (1) \_\_\_\_\_ hydraulic overload  
 (2) \_\_\_\_\_ organic/ solids overload  
 (3) \_\_\_\_\_ personnel inefficiency  
 (4) \_\_\_\_\_ equipment failure  
 (5) \_\_\_\_\_ wastes  
 (6) power outages

|   |                                     |
|---|-------------------------------------|
| Disinfection: (Required May 1 thru Oct.31.) |                                     |
| IN  | OUT                                 |
| _____                                       | <input checked="" type="checkbox"/> |
| _____                                       | <input checked="" type="checkbox"/> |
| _____                                       | _____                               |
|   | Chlorination Tablets                |
|   | Dechlorination Tablets              |
|   | U.V.                                |

Yes No

4.  Compliance with NPDES Permit

Periodic Violations  Y \_\_\_\_\_ N \_\_\_\_\_ Parameters: \_\_\_\_\_

Chronic Violations \_\_\_\_\_ X \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service Name Dan's Backflow

Frequency of Visits 3/week

Facility Name: Bridgwood MHP

| Process             | # Units | Unit   | If Needed - Description and Comments   |
|---------------------|---------|--|--|
| Preliminary         | 1       | Trash Trap   | Pumping Frequency:<br><i>hauled out last week</i>                                    |
|                     |         | Grease Trap  | Pumping Frequency:   |
|                     |         | Bar Screen   |  |
|                     |         | Comminutor   |  |
|                     | 1       | Flow Equalization                                  | <i>okay / EQ blower okay</i>   |
| Aeration Equipment  |         | Plant Timer <u>Y</u> <u>X</u> N                    | Cycle Time:<br><i>Blower in use needs another belt</i>                               |
|                     | X       | Motor/ Blower Unit <i>running</i>                  | <i>Backup blower ready to use</i>  |
| Secondary Treatment | X       | Aeration Tank                                      | Color: <i>good color to roll</i><br>Adequate Aeration: <u>Y</u> <u>X</u> N <u>  </u> |
|                     | X       | Clarifier  | <i>very good clarity</i><br><i>can see several feet down</i>                         |
| Final Settling      | X       | Sludge Return                                      | In <u>X</u> Out <u>  </u>  |
|                     | X       | Surface Skimmer                                    | In <u>X</u> Out <u>  </u>  |
|                     |         | Fixed Media Clarifier                              |  |
|                     | X       | Surface Sand Filter                                | <i>South west leg in use</i><br><i>north east has thick layer of dry sludge</i>      |
| Tertiary Treatment  |         | Polishing Pond                                     |  |
|                     |         | Other  |  |
| Disinfection        | X       | Chlorine Tube Feeder                               | <i>out</i>   |
|                     | X       | Dechlorination Tube Feeder                         | <i>out / tank very clear - <sup>can</sup> see bottom</i>                             |
|                     |         | Ultraviolet (UV)                                   |  |
| Flow Metering       | X       | Elapsed Pump Time                                  | <i>on filter dosing</i>  |
|                     |         | Recorder (continuous total)                        |  |
| Pumps               | X       | <del>Raw Wastewater (type)</del><br><i>Flow EQ</i> | <i>okay</i>  |
|                     | X       | Sand Filter Effluent Dosing                        | <i>okay</i>  |
| Sludge Handling     | X       | Aerated Storage Tank                               | <i>hauled last week</i>  |
|                     |         | Sludge Drying Bed                                  |  |
| Sludge Disposal     | X       | Municipal POTW                                     |  |
|                     |         | Landfill   |  |
|                     |         | Land Application                                   |  |
| Advanced Treatment  |         | Post Aeration                                      |  |
|                     |         | Spray Irrigation                                   |  |
|                     |         | Other  |  |