



**Environmental  
Protection Agency**

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korieski, Director

Re: Richland County  
Briarwood Estates MHP  
NPDES Permit

September 2, 2010

Mr. Steve Hammer, Manager  
Briarwood Estates MHP  
1835 North Lexington-Springmill Road  
Mansfield, Ohio 44906

Dear Mr. Hammer:

On August 25, 2010, an inspection was made of the wastewater treatment facilities serving the Briarwood Estates 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 and appeared to be functioning normally. A clear effluent was being discharged to the receiving stream.

During the inspection it was noted that while the chlorine and dechlorination tablet feeders had tablets in them, no tablets were in contact with the water. The tablet feeders should be checked every day to make sure that as the bottom tablet dissolves the one above it falls down into contact with the water.

It was also noted that there is no way of measuring the flow through the treatment plant. We recommend that hour run time meters be installed on the sand filter dosing pumps. These meters can be purchased from most local hardware stores for less than \$50.00 and be installed in the control panel box at the dosing station. The hours on the readers should be recorded every day to determine the flow rate.

A review of the discharge monitoring reports submitted to our office for the time period of February through July 2010, revealed one **violation** of the limits contained in your NPDES permit. The violation was for exceeding the fecal coliform sample maximum in the May 10, 2010, sample.

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

Sincerely,

Walter Ariss  
Environmental Specialist II  
Division of Surface Water

/llr

Enclosure

pc: DSW-NWDO File  
Mrs. Diane Smith, Granite Creations  
Kevin Dean, Dean's Backflow Service w/enclosure

Northwest District Office  
347 North Dunbridge Road  
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OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2P100018

Facility Name Briarwood Estates MHP Expiration Date 9/30/2010

Facility Address 1835 Lexington Springsmill Rd Date 8/25/10 Time 11:30 am

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

Name and Address of Owner Diane Smith

Person Contacted Steve Hammer Owner Phone \_\_\_\_\_

Flow: Design 30,000 GPD Present 300-20,000 GPD (metered estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 76° sun

OEPA Personnel Walter Aris 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: unimproved tributary to Black Fork

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) \_\_\_\_\_

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

Yes No

4.  \_\_\_\_\_ Compliance with NPDES Permit

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

5.  \_\_\_\_\_ Adequate plant safety

6.  \_\_\_\_\_ Operation and Maintenance Service Name Dennis Bucklebea

Frequency of Visits 1/week

Facility Name: Briarwood Estates MHP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: <i>once every 3-6 months</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	2	Flow Equalization	<i>okay - water looks like it has a lot of silt in it</i>
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time: <i>recently replaced both aeration blowers with lower amperage units</i>
	2	Motor/ Blower Unit <i>running</i>	Color: <i>good color</i>
Secondary Treatment	2	Aeration Tank	Adequate Aeration: Y <u>X</u> N <u>   </u>
Final Settling	2	Clarifier	<i>good clarity</i>
	2	Sludge Return	In <u>X</u> Out <u>   </u>
	2	Surface Skimmer	In <u>X</u> Out <u>   </u>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>all four beds relatively clean</i>
		Polishing Pond	
		Other	
Disinfection	2	Chlorine Tube Feeder	<i>need to check tablets daily to make sure they fall to bottom of feeder</i>
	2	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering <i>none</i>		Elapsed Pump Time	<i>need to install pump run time meters on filter dosing</i>
		Recorder (continuous total)	
Pumps	2	<del>Raw Wastewater (Type)</del> <i>Flow EQ</i>	<i>okay</i>
	2	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	2	Aerated Storage Tank	<i>sludge in tank appears fairly thick</i>
		Sludge Drying Bed	<i>- should need to haul out soon</i>
Sludge Disposal	2	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	