



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468  
www.epa.state.oh.us

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korteski, Director

Re: Richland County  
Briarwood Estates MHP  
NPDES Permit

November 27, 2007

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

Dear Mr. Hammer:

On November 1, 2007, 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. Your operator, Chris Henthorn from Clean Water Services Inc., was present to answer questions and review the plant operations.

At the time of the inspection all major treatment units were in operation and appeared to be functioning normally. The sand filter operation appeared much improved. Two filters were clean and ready for use, one was in use, and one had dried sludge waiting to be disposed. It was noted that heavy weed and brush growth around the filter beds makes it difficult for maintenance. The weeds and brush should be cut back.

It was also observed that a pipe had been installed from the sludge holding tank to the sand filters. Mr. Henthorn stated that the pipe had been installed to allow use of the filters to help dewater the sludge and provide more capacity in the holding tank. The surface sand filters should not be used for this purpose. The application of sludge onto the beds means that the untreated water associated with the sludge which still has high content of CBOD and ammonia is discharged to the stream. There are other options for dewatering sludge that allow for the water to be sent back to the head of the plant for further treatment. If your operator has any questions regarding this, please feel free to contact me.

A review of the monthly operating reports submitted to our office for the time period of March through October 2007, revealed violations of the conditions of your NPDES permit. A printout of these violations is attached for your review. Other than the three sample results that led to the violations, the plant appears to be running fairly well.

Mr. Steve Hammer, Manager  
November 27, 2007  
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If you have any questions please call me at 419-373-3070.

Sincerely,



Walter Ariss  
Environmental Specialist II  
Division of Surface Water

/lr

pc: ~~DSW=NWDO:File~~  
Mrs. Diane Smith, c/o Granite Creations  
Chris Henthorn, Clean Water Service, Inc

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PY00018

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

Facility Address 1835 Lee-Spriggmill Rd Date 11/1/07 Time 2:00 am

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

Name and Address of Owner Diane Smith

Person Contacted Chris Henthorn - Operator Owner Phone \_\_\_\_\_

Flow: Design 30,000 GPD Present 15,000-24,000 GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 62° sunny

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: Unsewered trib Black Fork Mahican

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

- 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.

4.  Yes  No Compliance with NPDES Permit

Periodic Violations Y  N  Parameters: Ammonia, Fecal

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

5.  Adequate plant safety

6.  Operation and Maintenance Service Name Clean Water Services

Frequency of Visits 1/week

Facility Name: Briarwood Estates

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: <u>1/quarter</u>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
Aeration Equipment	<input checked="" type="checkbox"/>	Flow Equalization	<u>okay</u>
	<input checked="" type="checkbox"/>	Plant Timer <u>Y</u> <input checked="" type="checkbox"/> N Motor/ Blower Unit <u>running</u>	Cycle Time:
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <u>good color</u> Adequate Aeration: Y <input checked="" type="checkbox"/> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<u>Several feet of clarity</u>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<u>2 clear, one waiting to be scraped one in use</u>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<u>ok</u>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<u>ok</u>
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	<input checked="" type="checkbox"/>	Raw Wastewater (type) <u>Flow EQ</u>	<u>okay</u>
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<u>okay</u>
Sludge Handling	<input checked="" type="checkbox"/>	Aerated Storage Tank	<u>air off</u>
		Sludge Drying Bed	<u>using one. sand bed to dewater sludge -should not be doing this - see letter</u>
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Briarwood Estates MHP NPDES limit violations  
 March through October 2007

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PY00018*CD	May 2007	001	31616	Fecal Coliform	30D Conc.	1000	10000.	5/1/2007
2PY00018*CD	May 2007	001	31616	Fecal Coliform	1D Conc.	2000	10000.	5/23/2007
2PY00018*CD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Conc.	1.0	1.58333	9/1/2007
2PY00018*CD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	1D Conc.	1.5	4.1	9/6/2007
2PY00018*CD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.17	.26381	9/6/2007
2PY00018*CD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Conc.	1.0	4.98	10/1/2007
2PY00018*CD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.45102	10/1/2007
2PY00018*CD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	1D Conc.	1.5	9.78	10/10/2007
2PY00018*CD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.17	.88842	10/10/2007