



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 Korleski, Director

Re: Richland County
Briarwood Estates MHP
NPDES Permit

July 31, 2009

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

Dear Mr. Hammer,

On July 21, 2009, 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 no air was being supplied to the sludge holding tank. Air is typically supplied to the tank to help digestion of the bacteria as well as help reduce odors. The sand filters were all very clean and free from weeds. It was also noted that the fence around the treatment plant had been repaired. No major concerns were noted at the time of the inspection.

A review of the discharge monitoring reports submitted to our office for the time period of February through June 2009 revealed several violations of the limits contained in your NPDES permit. A printout of these violations is attached for your review.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosed

pc: ~~INWDO-DSW-file~~
Mrs Diane Smith, c/o Granite Creations
Kevin Dean, Dean's Backflow Service

Get New Data

Briarwood Estates MHP NPDES permit limit violations February through June 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PY00018*CD	February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	9.	2/1/2009
2PY00018*CD	February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.34	.69587	2/1/2009
2PY00018*CD	February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	10.3	2/4/2009
2PY00018*CD	February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.51	.77971	2/4/2009
2PY00018*CD	February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	7.7	2/19/2009
2PY00018*CD	February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.51	.61203	2/19/2009
2PY00018*CD	March 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.685	3/1/2009
2PY00018*CD	March 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.34	.48582	3/1/2009
2PY00018*CD	March 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	12.7	3/17/2009
2PY00018*CD	March 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.51	.91332	3/17/2009
2PY00018*CD	April 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	13.	4/1/2009
2PY00018*CD	April 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.565	4/1/2009
2PY00018*CD	April 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.51	1.08251	4/1/2009
2PY00018*CD	April 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.34	.54544	4/1/2009
2PY00018*CD	May 2009	001	31616	Fecal Coliform			AK	5/27/2009
2PY00018*CD	June 2009	001	50060	Chlorine, Total Residu	1D Conc	0.038	.15	6/2/2009
2PY00018*CD	June 2009	001	50060	Chlorine, Total Residu	1D Conc	0.038	.08	6/16/2009

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2P500018

Facility Name Birchwood Estates Expiration Date 9/30/2010

Facility Address 1835 N. Lexington Spanghill Rd Date 7/21/09 Time 3:30 am/pm

City Ontario County Richland Township _____

Name and Address of Owner Diane Smith

Person Contacted _____ Owner Phone _____

Flow: Design 30,000 GPD Present 220,000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 84 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: unb trib Black Fork Holman

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.)	
IN	OUT
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. _____ Compliance with NPDES Permit

Periodic Violations Y _____ N _____ Parameters: NH3, Fecal

Chronic Violations _____

5. _____ Adequate plant safety

6. _____ Operation and Maintenance Service Name Don's Backflow

Frequency of Visits ?

Facility Name: Briarwood Estates

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	<input checked="" type="checkbox"/>	Flow Equalization	okay
Aeration Equipment		Plant Timer <u>Y</u> <input checked="" type="checkbox"/> <u>N</u>	Cycle Time:
	<input checked="" type="checkbox"/>	Motor/ Blower Unit <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color & roll</i> Adequate Aeration: <u>Y</u> <input checked="" type="checkbox"/> <u>N</u>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>fairly clear - some floating material → use skimmer to return</i>
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In Out <input checked="" type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>all 4 filters very clean</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering?		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	<input checked="" type="checkbox"/>	Flow Wastewater Flow EQ	okay
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	okay
Sludge Handling	<input checked="" type="checkbox"/>	Aerated Storage Tank	<i>no air to storage tank</i>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	