



**Environmental
Protection Agency**

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

Re: Richland County
Briarwood Estates MHP
NPDES Permit

November 1, 2011

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

Dear Ms. Smith:

On October 12, 2011, 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. A few concerns with the treatment plant operation were noted as follows:

During the inspection it was noted that a sump pump and discharge hose were observed near the sand filter beds. I contacted Mr. Kevin Dean, your certified operator, via phone to inquire on the purpose of the pump. Mr. Dean stated that the pump was used to move clean water off of the surface of the sand filters recently due to the filters becoming clogged with solids. Any water containing solids was pumped by a septage hauler and removed. Mr. Dean stated that the quality of the electrical service to the treatment plant is very poor and has led to several instances of the relays to the treatment plant blowers failing. This then leads to the solids within the treatment plant being washed onto the sand filter beds and plugging them. He mentioned that you have contacted the electric company and that you are working on a solution.

The operator's log at the wastewater plant was reviewed during the inspection and found to be in good order. The certified contract operator needs to visit the treatment plant for a minimum of three times/week for a minimum of 1.5 hours total as required by your NPDES permit. Daily checks of the wastewater plant are required by your NPDES permit for the parameters of flow rate, odor, color, and turbidity. There were no entries in the log of these daily checks. If you chose not to have the contract certified operator visit the plant every day, then someone from the park staff needs to check the plant and record these readings. It is **absolutely essential** that the treatment plant is visited every day. Failure to perform these daily checks will lead to enforcement action. The need for the daily checks has been mentioned in numerous previous letters including our most recent inspection of February 2011. Continued failure to meet this requirement will not be tolerated. Daily visits to the treatment plant will also help identify times when the blowers have tripped out sooner, which may lead to reduced costs of hauling water from the filter beds to keep them from overflowing.

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A review of the discharge monitoring reports submitted to our office for the time period of March through September 2011 revealed four *violations* of the limits contained in your NPDES permit. All of the violations were for exceeding the ecoli bacteria limit contained in your permit. During the inspection, it was noted that hour run meters had been installed on the sand filter doing station pumps. These meters need to be read every day. The flow rate data that was reviewed indicates that this is not occurring.

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

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/jlm

Enclosure

pc: Steve Hammer, Briarwood Estates MHP
Kevin Dean, Dean's Backflow Service
NWDO-DSW file

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2P500018

Facility Name Briswood MHP Expiration Date 11/30/2015

Facility Address 1835 N. Lex Springmill Date 10/12 Time 2:00 am/pm

City Ontario County Richland Township _____

Name and Address of Owner Diane Smith

Person Contacted _____ Owner Phone _____

Flow: Design 30,000 GPD Present 3000-15,000 GPD (metered Estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 50° rain

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

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 <input checked="" type="checkbox"/>	OUT _____
_____	<input checked="" type="checkbox"/> Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. Compliance with NPDES Permit _____ Parameters: _____

Periodic Violations _____

Chronic Violations _____ Odor, Color, Turbidity

5. Adequate plant safety

6. Operation and Maintenance Service Name Diane Backhaus

Frequency of Visits 2/week

Facility Name: Brigwood Estates HTHP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	2	Flow Equalization	okay - high water alarm on pumps was not on
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time:
	2	Motor/ Blower Unit <i>running</i>	Blowers okay
Secondary Treatment		Aeration Tank	Color: <i>good color trail</i> Adequate Aeration: <u>Y</u> <u>X</u> N
	2	Clarifier	Very good clarity
Final Settling	2	Sludge Return	In <u>2</u> Out
	2	Surface Skimmer	In <u>2</u> Out
		Fixed Media Clarifier	
	2	Surface Sand Filter <i>sump pump + hose near beds</i>	<i>South west bed in use, other beds clean</i>
Disinfection		Polishing Pond	
		Other	
	2	Chlorine Tube Feeder	okay
Flow Metering	2	Dechlorination Tube Feeder	- no tablets present
		Ultraviolet (UV)	
	2	Elapsed Pump Time Recorder (continuous total)	or filter dosing - <i>be sure to record everyday</i>
Pumps	2	Raw Wastewater (type) Flow EQ	Switch on high water alarm was turned to off position
	2	Sand Filter Effluent Dosing	okay
Sludge Handling	2	Aerated Storage Tank	almost empty
		Sludge Drying Bed	
Sludge Disposal	2	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	