



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

Re: Richland County  
Briarwood Estates MHP  
NPDES Permit

September 6, 2013

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

Dear Ms. Smith:

On August 7, 2013, 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, was unavailable during the inspection. All of the major equipment was in service and appeared to be operating normally. A clear effluent was being discharged to the receiving stream.

Excessive algae growth appeared to be adversely affecting the clarifier. Heavy algae build up along the effluent weir was not allowing even flow of water across the entire length of the weir. The weir should be scraped with a scrub brush periodically to remove this buildup of algae. The surface skimmer appeared to have difficulty returning all of the floating surface material to the aeration tanks. A large buildup of algae around the skimmer surface appeared to be getting partially sucked down the skimmer pipe and then blown back out the top. The algae are most likely preventing the skimmer from achieving full suction on the floating surface material. The algae along the skimmer opening should be removed. Please see the enclosed pictures.

The operator's 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 per week as required by your National Pollutant Discharge Elimination System (NPDES) permit.

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A review of the discharge monitoring reports (DMRs) submitted to our office for the time period of December 2012 through July 2013 revealed two **violations** of the limits contained in your NPDES permit. The **violations** were for not meeting the minimum pH value in the June sample and exceeding the E. coli limit in the July sample.

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

Enclosures

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 150,000 GPD

NPDES Permit No. 2PY00018

Facility Name Briarwood MHP Expiration Date 11/30/15

Facility Location 1835 N. Lexington - Springm. 11 Rd Date 8/7/13 Time 3:00 am / pm

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

Name of Owner Diane Smith Owner Phone \_\_\_\_\_

Person Contacted \_\_\_\_\_ Operator of Record Dean's Bank Flow

Flow Design 30,000 GPD WWTP Classification: \_\_\_ A or X I

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 77° - clouds

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

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

2. Effect of Effluent on Receiving Stream Name: unusual trib Black Fork

No.	Severity Description	Turbidity	Odor	Color
0	None	<input checked="" type="checkbox"/> Clear	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Colorless
1	Mild			
2	Moderate	<input type="checkbox"/> Light Solids	<input type="checkbox"/> Musty	<input type="checkbox"/> Grey
3	Serious			
4	Extreme	<input type="checkbox"/> Heavy Solids	<input type="checkbox"/> Septic	<input type="checkbox"/> 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- N/A  
 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	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorination Tablets
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/>	Ultraviolet (U.V.)

Yes No

4.  Compliance with NPDES Permit

Periodic Violations X Y \_\_\_\_\_ N Parameters: Ecolig pH

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

5.  O & M logbook kept and available on site: Location dosing control panel

6.  Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)  
 (Class I - 3 days per week for minimum 1.5 hours per week)

7.  Adequate Plant Safety: Deficiencies \_\_\_\_\_

Facility Name: *Briarwood Estates MHP*

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency <i>on haul in end of June</i>
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	X	Flow Equalization	<i>okay</i>
Aeration Equipment		Plant Timer <u>    </u> Y <u>X</u> N	Cycle Time:
	X	Motor / Blower Unit <i>running</i>	
Secondary Treatment	X	Aeration Tank	Color: <i>good color</i> Adequate Aeration <u>Y</u> N
Final Settling	X	Clarifier <i>need to clear algae from well</i>	<i>great clarity under</i> scum
	X	Sludge Return	In <u>X</u> Out
	X	Surface Skimmer <i>need to clean algae</i>	In <u>X</u> Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter <i>southeast bed in use</i>	<i>southwest bed clean</i> <i>northern beds gradually to rake</i>
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	<i>very clear - can see bottom</i>
	X	Chlorine Tube Feeder	<i>tablets okay</i>
	X	Dechlorination Tube Feeder	<i>tablets okay</i>
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<i>on dosing pump station</i>
		Recorder (continuous total)	
Pumps	X	<del>Raw Wastewater (type)</del> <i>Flow EQ</i>	<i>okay</i>
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	X	Aerated Storage Tank	<i>2-3 feet of free board</i>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

*none*

Briarwood Estates MHP 8-7-2013

