

**Environmental  
Protection Agency**

Ohio Department of Public Safety  
Governor  
Lt. Governor  
Director

October 21, 2011

RE: TRUMBULL COUNTY  
FOWLER TOWNSHIP  
BRIARFIELD OF CORTLAND  
4250 SODOM-HUTCHINGS RD, NE  
NPDES PERMIT NO. 3PR00166

Briarfield of Cortland  
4250 Sodom-Hutchings Road, NE  
Cortland, OH 44410  
Attn: Jason Lackner, Maintenance

Dear Mr. Lackner:

On October 5, 2011, a compliance evaluation inspection (CEI) was conducted on the Wastewater Treatment Plant (WWTP) serving Briarfield of Cortland. The facility is located at 4250 Sodom-Hutchings Road, in Fowler Township, Trumbull County. Present for the inspection were you, representing Briarfield of Cortland, and this writer.

The purpose of the visit was to evaluate the Operation and Maintenance of the WWTP, and to evaluate the facility's compliance with its National Pollutant Discharge Elimination System (NPDES) permit effluent limits. The previous CEI was conducted on July 28, 2010.

At the time of the October 5<sup>th</sup> inspection, the following observations were made:

- 1) The trash trap was in use and its contents were typical.
- 2) The flow equalization tank contents were well aerated, and were turbid gray in color.
- 3) Contents of the extended aeration tank were medium brown in color, with a slight, lighter brown foam present along the edges. The return sludge line was returning brown activated sludge to the aeration tank, and there was a very slight odor present in the area of the treatment system.
- 4) Settling tank contents were clear, with a blanket of sludge observed approximately 1 ½ feet below the water surface. The settling tank skimmer was properly adjusted, and was returning clear water to the aeration tank. The effluent trough was free of solids but did contain an algae/mossy growth, and effluent from the settling tank was clear and visually free of solids.

- 5) The sand filter dosing station pumps were both in the 'AUTO' mode, and operated properly when tested in the 'HAND' mode.
- 6) The east cell of the surface sand filter was being dosed, and the sand contained some vegetative growth along the edges of the filter walls. The west cell was dry, and contained drying solids.
- 7) The aerated sludge holding tank was full of well aerated, light brown sludge.
- 8) Treated effluent is disinfected using tablet chlorination and dechlorination. Both units contained 4 tubes, with tablets, and were properly capped.
- 9) An ultrasonic flow meter is used to measure flow from the WWTP.
- 10) The WWTP effluent was visually clear, and contained no visible solids or foam.

The following items were also discussed with you:

- 1) Daily color, odor, and turbidity estimation is performed by you, and effluent samples are collected, and analyzed, by Cardinal Labs.
- 2) Mr. Scott Mascioli is the operator of record for the WWTP. Mr. Mascioli also submits the required monthly operating data to the Ohio EPA for the facility.
- 3) You will be taking the Class A wastewater operator's exam this fall. Since the last WWTP inspection, you have replaced the former maintenance person, Allen McFeeters.
- 4) The WWTP tanks are pumped approximately every three (3) months by Duke Sanitation.
- 5) The settling tank effluent trough should be cleaned, and any growth or solids should be removed on a regular basis.
- 6) The sand filters should be kept free of vegetation and solids as much as possible, and the sand kept level.

A review of the WWTP operating data submitted to the Ohio EPA was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data covered the period of August 1, 2010, through October 1, 2011. The SWIMS program reported the

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following numeric effluent violations of the Briarfield of Cortland NPDES permit to discharge:

**BRIARFIELD OF CORTLAND  
NPDES PERMIT NO. 3PR00166  
NUMERIC EFFLUENT VIOLATIONS  
(8/1/10 – 10/1/11)**

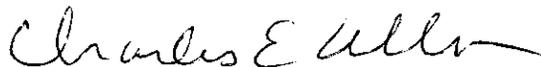
Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2011	Total Suspended Solids	30D Conc	12	21.	3/1/2011
March 2011	Total Suspended Solids	1D Conc	18	21.	3/17/2011

*Note: A review of the eDMRs for the same period found no reporting frequency or code violations for the facility.*

Operation and Maintenance practices on the WWTP should continue to be implemented, which will enable the Briarfield of Cortland WWTP to continuously meet its NPDES Permit effluent limits.

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/cs