



State of Ohio Environmental Protection Agency

**Northeast District Office**

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

April 30, 2009

RE: TRUMBULL COUNTY  
BRACEVILLE TOWNSHIP  
MAPLEWOOD HIGH SCHOOL  
WWTP INSPECTION  
(NPDES PERMIT 3PT00078)

**CERTIFIED MAIL**

Ms. Beverly Hoagland, Superintendent  
Maplewood Local School District  
2414 Greenville Road N.E.  
Cortland, OH 44410

Dear Ms. Hoagland:

On April 7, 2009, a Compliance Evaluation Inspection (CEI) was conducted at the Maplewood High School wastewater treatment plant (WWTP). Present during the inspection was Mr. John Brown, representing the school system, and this writer, of Ohio EPA.

The purpose of the visit was to evaluate the WWTP operation and maintenance, as well the facility's compliance with NPDES Permit effluent limits and conditions.

At the time of the inspection the maintenance of the plant could be rated as satisfactory. The following observations were made:

- 1) The trash trap was in use and contents were typical. The trash trap contents are pumped and hauled approximately twice per year.
- 2) The flow equalization chamber and pumps were in use and operating properly. New belts have been installed on the blower/mower.
- 3) The extended aeration tank contents were medium brown in color and were being well aerated. The return activated sludge (RAS) line was operational and was returning medium brown sludge.
- 4) Both upflow clarifiers were being operated.
- 5) The settling tank effluent trough was clean and free of solids. The skimmer was properly adjusted and operating, and was returning a clear liquid. Effluent from the tank was clear and free of visible solids.

- 6) Both pumps in the surface sand filter dosing station were operational, and the high level alarm was operational as well.
- 7) The surface sand filters consist of 2 cells, of which the east cell was in use. The sand was raked level, and there were no solids or vegetative growth on the sand filters.
- 8) The Aerated Sludge Holding tank was being aerated and the contents were medium brown.
- 9) Effluent disinfection is accomplished by Ultra Violet (UV) disinfection. The UV unit was not operational, as disinfection of the effluent is not required for the period of November 1<sup>st</sup> through April 30<sup>th</sup>.
- 10) Treated effluent from the WWTP is discharged to a nearby ditch. Effluent was clear and visually free of solids.

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the WWTP for the period of December 1, 2007 through April 1, 2009, found the following effluent limit violations for the facility:

**MAPLEWOOD HIGH SCHOOL  
NUMERIC EFFLUENT VIOLATIONS  
NPDES PERMIT 3PT00078  
(DEC. 1, 2007 – APR. 1, 2009)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2008	Total Suspended Solids	1D Conc	18	23.	6/19/2008
June 2008	Total Suspended Solids	30D Conc	12	23.	6/1/2008
June 2008	Fecal Coliform	30D Conc	200	300.	6/1/2008

During the April 7<sup>th</sup> inspection, the following items were also discussed:

- 1) It was noted by Mr. Brown that during a heavy rainfall, solids have a tendency to wash out of the aeration portion of the facility, onto the surface sand filters.
- 2) Effluent samples are collected by Mr. Brown, in bottles provided by Cardinal Labs. The bottles contain the necessary preservatives, and samples are collected and returned to the laboratory in the same day. A chain of custody form is utilized for the sample collection, transfer, and analysis.

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- 3) Mr. Scott Mascioli, Class I Wastewater Operator, is the licensed technical supervisor for the WWTP, and he stops by the WWTP 1-2X/week. Mr. Mascioli conducts the pH and dissolved oxygen testing at the WWTP.
- 4) Color, Odor, Turbidity, and flow measurements are conducted daily at the WWTP.
- 5) Mr. Brown received his Class A Wastewater Operator's license for the school WWTP since the last inspection.
- 6) Dried solids raked off of the surface sand filter are placed in the dumpster and disposed of at a solid waste landfill.

A copy of this inspection report is being forwarded to the Trumbull County Health Department. If you have any comments or questions about this document, you may contact me at (330) 963-1110.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/mt

cc: Trumbull County Health Dept.