



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

May 23, 2012

RE: TRUMBULL COUNTY
BAZETTA TOWNSHIP
LAKEVIEW ELEMENTARY SCHOOL
(NPDES PERMIT 3PT00082)

Mr. Bob Wilson, Superintendent
Lakeview Local School District
Lakeview Elementary
300 Hillman Drive
Cortland, OH 44410

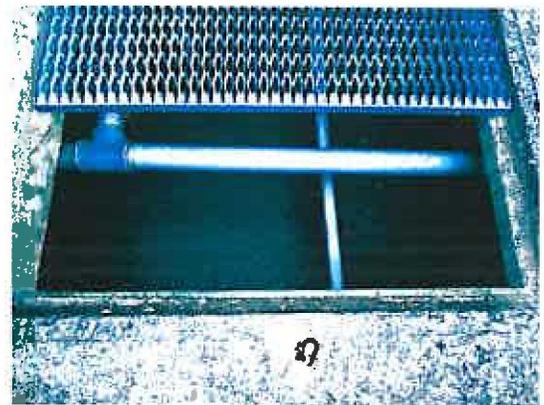
Dear Mr. Wilson:

On May 3, 2012, a Compliance Evaluation Inspection (CEI) was conducted by this writer on the wastewater treatment plant (WWTP) serving the Lakeview Elementary School. The school and WWTP are located at 2755 Hoagland-Blackstub Road, Bazetta Township.

The purpose of the inspection was to evaluate the operation and maintenance of the WWTP, as well the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits and conditions. The previous CEI of the WWTP was conducted on June 9, 2010.

At the time of the May 3rd inspection, the following observations were made at the WWTP:

- 1) Trash trap contents were acceptable, and no pumping is needed at this time.
- 2) Flow equalization tank contents were light brown in color, and were being aerated.
- 3) The extended aeration tank contents were medium brown in color, and were well aerated. The return activated sludge (RAS) line was operating, returning a medium brown sludge from the settling tank to the aeration tank.
- 4) Settling tank contents were turbid gray, with a scum/solids buildup behind the inlet baffle to the settling tank, and a major portion of the settling tank. The floating scum/solids mat needs to be removed and the water surface kept free of scum and solids.



- 5) The settling tank effluent trough also contained a solids deposition and some moss/algae growth. Although adjusted too low below the water surface, the skimmer was operating, and returning clear water to the aeration tank. **The trough needs to be cleaned and kept clean. The sides of the settling tank need to be scraped down to removed any attached solids. The skimmer should be properly adjusted to ¼-inch below the surface.**



- 6) Both surface sand filter dosing pumps were in the 'AUTO' mode, and were operational when manually tested. The high-level alarm was also operational when manually tested. Flows for the WWTP are read off pump totalizers located in the pump station electrical control box.

- 7) The surface sand filters have two cells, of which the west cell was in use. The west cell was plugged with a solids deposition and was flooded. Sand in the east filter cell contained some solids and vegetation. **The solids and vegetative growth on the sand in the filter cells needs to be removed, and the sand kept clean and raked level.**



- 8) Disinfection of the effluent is accomplished by tablet chlorination and dechlorination units located in the contact tank. Both of the units contain four tablet tubes each, and at the time of the inspection, all tubes and tube caps were present, and the units contained tablets.
- 9) Effluent discharged from the Lakeview Elementary School WWTP enters an unnamed tributary of Mosquito Creek, and at the time of the inspection, was clear and visually free of solids.
- 10) The sludge holding tank contents were not being aerated, and were watery gray in color.

A review of the electronic Discharge Monitoring Reports (eDMR) as reported to the Ohio EPA for the Lakeview Elementary School WWTP, during the period of December 1, 2007 through June 1, 2010, found the following numeric effluent violations for the facility:

**LAKEVIEW ELEMENTARY SCHOOL
NUMERIC EFFLUENT VIOLATIONS
NPDES PERMIT NO. 3PT00082
(June 1, 2010 – May 1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	12.2	12/1/2010
December 2010	Nitrogen, Ammonia (NH3-N)	30D Qty	0.10	.1075	12/1/2010
December 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	12.2	12/16/2010
June 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	1.5	2.49	6/1/2011
June 2011	Nitrogen, Ammonia (NH3-N)	7D Conc	2.25	2.49	6/8/2011
December 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.51	12/1/2011
March 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	7.14	3/1/2012
March 2012	Nitrogen, Ammonia (NH3-N)	7D Conc	4.5	7.14	3/15/2012

Proper operation and maintenance practices, which will enable the WWTP to continuously meet its NPDES Permit effluent limits, should continue to be implemented. **The above WWTP maintenance / repairs should immediately be made, and the plant kept in good operational condition.**

Please inform this office in writing, within ten days of the receipt of this correspondence, as to:

- 1) What steps will be taken to address the recurring ammonia violations.
- 2) When the above repairs will be made such that a re-inspection can be conducted.

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/cs

cc: Trumbull County Health Dept.