

**Environmental
Protection Agency**

Tim W. Rickland, Governor
L. Robert Fisher, Lt. Governor
C. John Koneski, Director

June 22, 2010

RE: TRUMBULL COUNTY
BAZETTA TOWNSHIP
LAKEVIEW ELEMENTARY SCHOOL
(FORMERLY BAZETTA ELEMENTARY)
COMPLIANCE EVALUATION INSPECTION
(NPDES PERMIT 3PT00082)

CERTIFIED MAIL

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

Dear Mr. Wilson:

On June 9, 2010, a Compliance Evaluation Inspection (CEI) was conducted at the Lakeview Elementary School wastewater treatment plant (WWTP), 2755 Hoagland-Blackstub Road, Bazetta Township. Present during the inspection were Mr. Raymond Harris, representing the school system; Mr. Scott Mascioli, WWTP operator; and this writer, of the Ohio EPA.

The purpose of the inspection was to evaluate the operation and maintenance of the facility, prior to renewal of the NPDES permit to discharge.

At the time of the June 9th inspection the following observations were made:

- 1) The trash trap was being utilized and contents were typical.
- 2) The flow equalization chamber was being utilized, and the contents were medium brown in color.
- 3) Contents of the extended aeration tank were being well aerated, and were a medium brown color. A light brown foam was present on the surface of the aeration tank contents. The return activated sludge (RAS) line was in operation, and water being returned was brown in color.
- 4) Settling tank contents were slightly turbid, and the effluent trough was clean and free of solids. The settling tank skimmer was broken off below the surface of the water, and was turned off. There was a scum buildup behind the inlet baffle to the settling tank.

Please note, the settling tank skimmer head needs to be repaired, and adjusted to within approximately ¼ inch below the surface of the water. The scum buildup behind the baffle also needs to be removed, and the sides of the settling tank scraped down regularly.

5) The surface sand filter dosing station pumps were set in the 'AUTO' mode, and were operational when tested manually. The high level alarm was operational when manually checked. Readings reported for daily flows to the WWTP are obtained using totalizer recorders for the pumps.

6) The surface sand filters have 2 cells, of which the west cell was in use. Sand in the filter cells 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.

7) Treated effluent is disinfected by tablet chlorination and dechlorination units located in the contact tank. Both of the units contain 4 tablet tubes each, and at the time of the inspection, the chlorination / dechlorination units contained tablets.

8) Treated effluent discharged from the Lakeview Elementary School WWTP enters an unnamed tributary of Mosquito Creek. Effluent was clear and visually free of solids.

9) The aerated sludge holding tank contents were medium brown in color. Sludge is wasted to the sludge holding tank approximately 1x/month. When needed, A-1 Drain service hauls the liquid sludge to Struthers WWTP for disposal (approx. 2000 gal.).

10) Wastewater samples are collected and analyzed by Cardinal Labs. Analytical results are reported via eDMR by Mr. Mascioli.

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 monitoring frequency violations for the facility:

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**LAKEVIEW ELEMENTARY SCHOOL
 FREQUENCY REPORTING VIOLATIONS
 NPDES PERMIT NO. 3PT00082
 (DEC. 1, 2007 – JUNE. 1, 2010)**

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
June 2008	001	80082	CBOD 5 day	1/Quarter	1	0	06/01/2008

A review of the eDMRs for the same period also found the following numeric effluent violations for the Lakeview Elementary School:

**LAKEVIEW ELEMENTARY SCHOOL
 NUMERIC EFFLUENT VIOLATIONS
 NPDES PERMIT NO. 3PT00082
 (DEC. 1, 2007 – JUNE. 1, 2010)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2008	Total Suspended Solids	30D Conc	12	12.5	3/1/2008
June 2008	Nitrogen, Ammonia (NH3-N)	30D Conc	1.5	4.3	6/1/2008
June 2008	Fecal Coliform	30D Conc	1000	48000.	6/1/2008
June 2008	Nitrogen, Ammonia (NH3-N)	1D Conc	2.25	4.3	6/17/2008
June 2008	Fecal Coliform	1D Conc	2000	48000.	6/17/2008
August 2008	Fecal Coliform	30D Conc	1000	11000.	8/1/2008
August 2008	Fecal Coliform	1D Conc	2000	11000.	8/7/2008
June 2009	Total Suspended Solids	30D Conc	12	17.2	6/1/2009
December 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	10.4	12/1/2009
December 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	10.4	12/17/2009
March 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	12.3	3/1/2010
March 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	12.3	3/4/2010

Mr. Mascioli was informed of the NPDES Permit renewal which is forthcoming within the next several months. Included in the renewed permit will be a requirement to switch to monitoring for and meeting effluent limits for E. coli bacteria, instead of the current fecal coliform bacteria limits.

Also included in the renewed permit will be additional detailed WWTP operator staffing and record keeping requirements.

Proper operation and maintenance practices which will enable the WWTP to continuously meet its NPDES Permit effluent limits should continue to be implemented.

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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,

A handwritten signature in cursive script that reads "Charles E. Allen".

Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/mt

pc: Trumbull County Health Dept.

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