



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

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

September 27, 2007

RE: LAKE COUNTY
LEROY TOWNSHIP
LEROY ELEMENTARY SCHOOL
NPDES PERMIT NO. 3PT00055
APPLICATION NO. OH0103021

NOTICE OF VIOLATION

Mr. James Kalis, Superintendent
Painesville Township Board of Education
585 Riverside Drive
Painesville, OH 44077

Dear Mr. Kalis:

On September 19, 2007, this writer conducted an operation and maintenance inspection of the wastewater treatment plant that serves the Leroy Elementary School. The school is served by an extended aeration plant with tertiary treatment and disinfection. The average daily design flow of the plant is 7,500 gallons per day.

At the time of inspection the following observations were made:

- The aeration tank was operating in a satisfactory manner. The mixed liquor was brown in color indicating a well balanced system.
- An excessive amount of sludge and algae was on the surface of the settling tank. The return sludge line should be adjusted. An excessive amount of sludge and vegetation was behind the baffles and in the effluent trough. The sludge and vegetation must be removed from the effluent trough and the baffles.
- One of the filter beds was in poor condition. The filter bed contained an excessive amount of vegetation on its surface (see upper right photo). The vegetation and any sludge or solids laden sand must be removed and replaced with clean sand. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists on both beds. Ohio EPA approved filter sand has a uniformity coefficient that does not exceed 3.0 and an effective size of 0.4 mm - 1.0 mm. The sand must be raked and evenly distributed across the surface of the filter bed.
- The chlorinator contained no chlorine tablets, thus providing no disinfection of the effluent. Disinfection is required May 1st through October 31st.
- The chlorine contact chamber was covered with grass clippings. Care must be taken when mowing the lawn to prevent grass clippings from entering the plant effluent stream. The clippings must be removed (see lower right photo).
- No bisulfite tablets were in the dechlorinator (see lower left photo).
- Clumps of algae had accumulated in the final effluent chamber. The plant effluent must be free from solids. The algae must be removed.
- The wooden walkway that leads to the wetlands, the final destination of the plant effluent, has a plank that is broken. This should be repaired as it poses as a potential safety risk to anyone working in the area (see photo).

The above highlighted deficiencies must be corrected immediately.

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A review of the monthly operating reports covering the period of May 2006 to August 2007 revealed no effluent limitation violations or frequency monitoring violations.

As stated in a previous letter dated May 22, 2006, the average daily design flow of the wastewater treatment plant is being reported on the monthly operating reports as the daily estimated flow. This practice must cease. If a flow meter is not available for measuring flow, acceptable methods for estimating daily flow at plants are, in order of preference: 1) elapsed time meters on sand filter dosing pumps; 2) elapsed time meters on influent pumps; or 3) water use records.

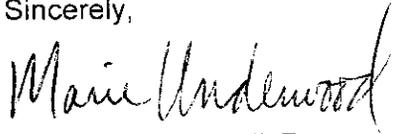
Be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting and compliance scheduling requirements of your NPDES permit may be cause for enforcement pursuant to Ohio Revised Code Chapter 6111.

Pursuant to Ohio Administrative Code 3745-7-09, effective December 21, 2006, this Agency requires the owner and operator of record of a wastewater treatment plant to maintain operation and maintenance records for the wastewater treatment plant. The records shall be housed on site and shall be accessible for twenty-four hour inspection. Some of the information that must be recorded includes the identification of the treatment works, date and times of arrival and departure for the operator of record, specific operation and maintenance activities that affect the quality or quantity of sewage or effluent produced, results of tests performed and samples taken, performance of preventative maintenance and repairs, and identification of the persons making the entries. In addition, the administrative code requires any owner of a sewage treatment works who enters into a contract with a certified operator to maintain a copy of the contract onsite at the treatment works. Please carefully review Ohio Administrative Code 3745-7-09 for information on all requirements.

Within 10 days of the date of this letter, you are required to notify this office, in writing, outlining the corrective action, either actual or proposed, that will be taken to eliminate the above highlighted deficiencies.

Should you have any questions regarding this letter, please contact the undersigned at (330) 963-1183.

Sincerely,



Marie Underwood, P.E.
Environmental Engineer
Division of Surface Water

MU/mt

enclosure

