



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 Korleski, Director

May 28, 2008

RE: LAKE COUNTY
WILLOUGHBY HILLS
WILLOUGHBY HILLS UNITED
METHODIST CHURCH
NPDES PERMIT NO. 3PR00244
APPLICATION NO. OH0128830

Mr. Benjamin Howes, Chairman of Trustees
Willoughby Hills United Methodist Church
34201 Eddy Road
Willoughby Hills, OH 44094

Dear Mr. Howes:

On May 21, 2008, this writer conducted a compliance evaluation inspection of the wastewater treatment plant that serves the above referenced church. The sewage system is an extended aeration plant with tertiary treatment and disinfection. The average daily design flow is 2,375 gallon per day (gpd).

At the time of inspection, the plant was producing an effluent of satisfactory visual quality in that there was no evidence of oil & grease or debris. The following observations were noted:

- The contents of the flow equalization tank were being aerated, as required.
- The mixed liquor suspended solids content in the aeration tank was light brown indicating the plant is organically underloaded. The return sludge was also light brown.
- The wastewater in the settling tank was turbid. Sludge was observed on the surface of the water, in the effluent trough and behind the baffles. The sludge in the trough and behind the baffles should be removed. The sludge return rate may need adjusting.
- The east filter bed was being used and had some sludge on its surface. The sludge and top layer of sand clogged with sludge must be removed and replaced with clean filter sand, as needed. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists in the beds. Approved filter sand has an effective size of 0.4 - 1.0 mm and a uniformity coefficient that does not exceed 3.0. The sand must be raked and evenly distributed across the surface area of the filter beds. Any used sand removed from the filter bed should be hauled to a public landfill.
- The chlorinator contained chlorine tablets as required.
- The dechlorinator contained sulfite tablets as required.
- The sludge holding tank was not in use and contained rainwater.

An operation and maintenance log book was located in the dosing chamber control box. Upon review of the log book, the requirements of Ohio Administrative Code 3745-07 are not met. At a minimum, the log book must contain:

1. The identification of the sewage treatment works;
2. Date and times of arrival and departure for the operator of record and any other operator required by the administrative code.
3. Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage conveyed or effluent produced;

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4. Results of tests performed and samples taken, unless documented on a laboratory sheet;
5. Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and
6. Identification of the persons making entries.

The above referenced deficiencies must be corrected immediately.

A review of the Monthly Operating Reports covering May 2007 to April 2008 revealed no effluent limitation violations. The following sampling frequency violations were revealed:

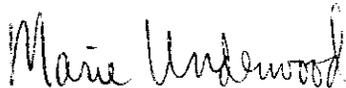
Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00010	Water Temperature	1/Week	1	0	08/08/2007
001	00010	Water Temperature	1/Week	1	0	12/01/2007

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

Please inform this office, in writing, within ten (10) days of the date of this letter, as to the reasons for the above referenced violations and deficiencies, as well as a description of the actions taken or proposed to prevent any further violations. Your response should include the dates, either actual or proposed, for completion of the actions.

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

Sincerely,



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

MU/mt