



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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

June 25, 2007

RE: LAKE COUNTY
MADISON TOWNSHIP
LAKELAND NURSING HOME
NPDES PERMIT NO. 3PR00374
APPLICATION NO. OH0134635

NOTICE OF VIOLATION

Mr. Bill Austin
P.O. Box 271
Geneva, OH 44041

Dear Mr. Austin:

On June 13, 2007, this writer conducted an inspection of the wastewater treatment plant that serves the above referenced facility. The nursing home is served by an extended aeration plant with filtration and disinfection. The average daily design flow of the plant is 2,500 gallons per day (gpd).

At the time of inspection, the plant was producing an effluent free of oil & grease, solids or debris. The following observations were noted:

- The settling tank wastewater was turbid. An excessive amount of sludge was behind the baffles and should be removed.
- The northern filter bed was ponded with sludge. The southern filter bed had an excessive amount of dried sludge on its surface. Once the northern filter bed drains, the sludge, solids laden sand and any vegetation must be removed from the surface of the filter bed. The same must be removed from the southern bed. 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.
- Overflow riser pipes have been installed in the filter beds which would allow any ponded water on the surface sand filters to flow out of the pipes instead of filtering through the sand. These overflow pipes effectively serve to "bypass" the filtration unit. *The overflow riser pipes must be immediately removed.*
- An excessive amount of leaves and twigs clutter this wastewater treatment plant. The daily maintenance of this plant must be improved upon. The nursing home must have an individual responsible for the operation and maintenance chores required for this plant.

The above highlighted deficiencies must be corrected immediately.

A review of the Monthly Operating Reports covering April 2006 to May 2007 revealed the following effluent limitation violations at Outfall 001:

Mr. Bill Austin
Lakeland Nursing Home
June 25, 2007
Page 2

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	30D QTY	0.114	.27063	6/1/2006
001	00530	Total Suspended Solids	7D QTY	0.170	.27063	6/8/2006
001	00610	Nitrogen, Ammonia (NH3)	30D CONC	1.0	5.32	6/1/2006
001	00610	Nitrogen, Ammonia (NH3)	7D CONC	1.5	5.32	6/8/2006
001	00610	Nitrogen, Ammonia (NH3)	30D QTY	0.009	.13089	6/1/2006
001	00610	Nitrogen, Ammonia (NH3)	7D QTY	0.014	.13089	6/8/2006
001	80082	CBOD 5 day	7D QTY	0.095	.17222	6/1/2006
001	80082	CBOD 5 day	7D QTY	0.142	.17222	6/8/2006

The average daily design flow of the wastewater treatment plant continues to be reported on the monthly operating reports as the daily estimated flow. This practice must cease. 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.

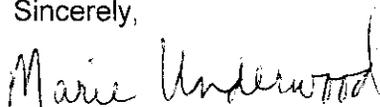
Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of your National Pollutant Discharge Elimination System (NPDES) permit may be cause for enforcement pursuant to the Ohio Revised Code Chapter 6111.

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. Please review the administrative code carefully for information on all requirements.

Please inform this office, in writing, within ten days of receipt of this notification 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