



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

December 29, 2008

RE: LAKE COUNTY
KIRTLAND
HILLTOP APARTMENTS
9125 CHILLICOTHE ROAD
NPDES PERMIT NO. 3PR00106
APPLICATION NO. OH0089877

Ms. Jill Dzina
1702 Joseph Lloyd Parkway
Willoughby OH 44094

Dear Ms. Dzina:

On December 23, 2008 this writer conducted a compliance evaluation inspection of the wastewater treatment plant serving the above referenced apartment complex. The purpose of the inspection was to evaluate the wastewater treatment plant's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits.

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:

1. The aeration tank was operating satisfactorily.
2. The settling tank water was turbid. Some sludge had accumulated on the surface of the tank and in the effluent trough. The sludge in the effluent trough must be removed. The return sludge rate or the sludge wasting rate may need to be adjusted.
3. A significant amount of sludge, vegetation and leaves was observed on the surface of the south filter bed. Snow covered the north filter bed. The vegetation, leaves and top layer of sludge laden sand must be removed from the south bed and replaced with clean sand. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists on the beds. Ohio EPA approved filter sand has a uniformity coefficient that does not exceed 3.0 and an effective sized of 0.4 mm - 1.0 mm. The sand must be raked and evenly distributed across the surface of the filter bed.
4. Leaves, vegetation and trees are growing in the sludge beds. The sludge filter beds are a part of the treatment process and must be maintained. The leaves, vegetation and trees must be removed from the sludge drying beds and sand added to the beds in accordance with the plant design.

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A review of the plant's self-monitoring report for the period of November 2007 through November 2008 revealed the following effluent violations for Outfall 001:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	50060	Chlorine, Total Residual	1D Conc	0.019	1.95	6/5/2008
001	00530	Total Suspended Solids	30D Conc	12	18.	2/1/2008
001	00610	Nitrogen, Ammonia-NH3	30D Conc	3.0	5.67	1/1/2008
001	00610	Nitrogen, Ammonia-NH3	7D Conc	4.5	5.67	1/22/2008

The review revealed the following effluent sampling frequency violations for the period of November 2007 through November 2008:

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00300	Dissolved Oxygen	1/Week	1	0	01/08/2008
001	00300	Dissoived Oxygen	1/Week	1	0	01/15/2008
001	00300	Dissolved Oxygen	1/Week	1	0	01/22/2008

Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring, reporting, or compliance scheduling requirements of your 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. The following information must be recorded and kept on site:

1. 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 this chapter;
3. Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage conveyed or effluent produced;
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.

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Please inform this office, in writing, within ten days, the reason for the above referenced violations, as well as a description of the actions taken to prevent any further violations. Your response should include proposed dates for completion of the actions.

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

Sincerely,

A handwritten signature in cursive script that reads "Marie Underwood".

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

MU/mt