



State of Ohio Environmental Protection Agency

Northeast District Office

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

May 12, 2008

RE: LAKE COUNTY
KIRTLAND
KIRTLAND PLAZA INC.
9270 CHILLOCOTHE ROAD
NPDES PERMIT NO. 3PR00160
APPLICATION NO. OH0117471
PRE-PERMIT INSPECTION

Mr. Joseph Castrataro
10866 Sperry Road
Kirtland, OH 44094

Dear Mr. Castrataro:

On May 6, 2008, this writer conducted an inspection of the wastewater treatment system serving the Kirtlander building and plaza. The inspection was prompted by the anticipated renewal of the National Pollutant Discharge Elimination System (NPDES) permit.

The buildings are served by an extended aeration wastewater treatment plant with filtration and disinfection. The average daily design flow of the plant is 0.01 MGD. The plant effluent discharges to an unnamed tributary of the East Branch of the Chagrin River.

At the time of inspection all units of the plant were in operation. The plant was producing an effluent of marginal visual quality. The effluent appeared to contain a filmy substance. The following observations were noted:

- The plant appears to be organically underloaded.
- The level of wastewater in the aeration tank was very high. The liquid height level in the aeration tank reached the discharge heights of the sludge return line and the skimmer return line pipes.
- The operation of the settling tank was marginal. The settling tank content was extremely turbid. The tank appeared to provide little settling. The settling tank effluent weirs were plugged with solids that need to be removed.
- The condition of the filter beds was satisfactory.
- Chlorine tablets were available in the chlorinator.

A review of the Discharge Monitoring Reports (DMRs) revealed the following effluent monitoring frequency violations during the period of August 2007 to March 2008:

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Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00300	Dissolved Oxygen	1/Week	1	0	09/08/2007
001	00300	Dissolved Oxygen	1/Week	1	0	09/22/2007
001	00300	Dissolved Oxygen	1/Week	1	0	11/08/2007
001	00400	pH	1/2Weeks	1	0	11/15/2007
001	00300	Dissolved Oxygen	1/Week	1	0	11/15/2007
001	00300	Dissolved Oxygen	1/Week	1	0	11/22/2007
001	00300	Dissolved Oxygen	1/Week	1	0	12/08/2007
001	00400	pH	1/2Weeks	1	0	12/15/2007
001	00300	Dissolved Oxygen	1/Week	1	0	12/15/2007
001	00300	Dissolved Oxygen	1/Week	1	0	12/22/2007
001	00300	Dissolved Oxygen	1/Week	1	0	01/08/2008
001	00400	pH	1/2Weeks	1	0	01/15/2008
001	00300	Dissolved Oxygen	1/Week	1	0	01/15/2008
001	00300	Dissolved Oxygen	1/Week	1	0	01/22/2008
001	00300	Dissolved Oxygen	1/Week	1	0	02/08/2008
001	00400	pH	1/2Weeks	1	0	02/15/2008
001	00300	Dissolved Oxygen	1/Week	1	0	02/15/2008
001	00300	Dissolved Oxygen	1/Week	1	0	02/22/2008

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.

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.

The renewal permit will be drafted in the near future. When it is public noticed, please review the permit carefully. A 30-day comment period will be provided. Any questions or comments concerning the draft permit must be submitted to this office in writing.

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