



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

February 29, 2008

RE: LAKE COUNTY
KIRTLAND
EDGEWOOD CONDOMINIUMS
OHIO NPDES PERMIT NO. 3PW00022
APPLICATION NO. OH0103098

Mr. David Ayres, President
Edgewood Condominiums
9257 Chillicothe Road
Kirtland, OH 44094

Dear Mr. Ayres:

On February 22, 2008, an operation and maintenance inspection of the sewage treatment plant serving the condominiums was conducted by this writer. The existing treatment plant consists of an extended aeration plant with tertiary treatment and disinfection facilities.

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

- The aeration tank mixed liquor was brown in color, indicating a balanced system.
- The settling tank content was turbid. The sludge in the effluent trough must be removed.
- The return sludge line was low in solids. The sludge return rate may need to be adjusted.
- The northern filter bed was ponded with wastewater. The surface of the southern bed was not visible due to snow coverage. When weather conditions permit, any vegetation and sludge solids must be removed from the surface of the beds. Each filter bed must contain 18 inches of Ohio EPA approved filter sand. Approved filter sand consists of clean and washed sand with an effective size between 0.4 and 1.0 mm and a uniformity coefficient not greater than 3.0. The filter sand must be raked with an even distributed across the surface area of the filter bed. The filter beds must be routinely switched to maximize the performance of the filter beds.

These items should be corrected immediately.

A review of the monthly operating reports for Outfall 001, covering the period of January 2007 through January 2008 revealed the following effluent limitation violation:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	50060	Chlorine, Total Residu	1D Conc	0.019	4.3	8/2/2007

The following frequency violations were noted:

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00056	Flow Rate	1/Day	1	0	11/01/2007
001	00056	Flow Rate	1/Day	1	0	11/02/2007
001	00056	Flow Rate	1/Day	1	0	11/03/2007
001	00056	Flow Rate	1/Day	1	0	11/04/2007
001	00056	Flow Rate	1/Day	1	0	11/06/2007
001	00056	Flow Rate	1/Day	1	0	11/07/2007
001	00056	Flow Rate	1/Day	1	0	11/08/2007
001	00056	Flow Rate	1/Day	1	0	11/09/2007
001	00056	Flow Rate	1/Day	1	0	11/10/2007
001	00056	Flow Rate	1/Day	1	0	11/11/2007
001	00056	Flow Rate	1/Day	1	0	11/12/2007
001	00056	Flow Rate	1/Day	1	0	11/13/2007
001	00056	Flow Rate	1/Day	1	0	11/14/2007
001	00056	Flow Rate	1/Day	1	0	11/15/2007
001	00056	Flow Rate	1/Day	1	0	11/16/2007
001	00056	Flow Rate	1/Day	1	0	11/17/2007
001	00056	Flow Rate	1/Day	1	0	11/18/2007
001	00056	Flow Rate	1/Day	1	0	11/19/2007
001	00056	Flow Rate	1/Day	1	0	11/20/2007
001	00056	Flow Rate	1/Day	1	0	11/21/2007
001	00056	Flow Rate	1/Day	1	0	11/22/2007
001	00056	Flow Rate	1/Day	1	0	11/23/2007
001	00056	Flow Rate	1/Day	1	0	11/24/2007
001	00056	Flow Rate	1/Day	1	0	11/25/2007
001	00056	Flow Rate	1/Day	1	0	11/26/2007
001	00056	Flow Rate	1/Day	1	0	11/27/2007
001	00056	Flow Rate	1/Day	1	0	11/28/2007
001	00056	Flow Rate	1/Day	1	0	11/29/2007
001	00056	Flow Rate	1/Day	1	0	11/30/2007
001	00056	Flow Rate	1/Day	1	0	12/01/2007
001	00056	Flow Rate	1/Day	1	0	12/02/2007
001	00056	Flow Rate	1/Day	1	0	12/03/2007
001	00056	Flow Rate	1/Day	1	0	12/04/2007
001	00056	Flow Rate	1/Day	1	0	12/05/2007
001	00056	Flow Rate	1/Day	1	0	12/07/2007
001	00056	Flow Rate	1/Day	1	0	12/08/2007
001	00056	Flow Rate	1/Day	1	0	12/09/2007
001	00056	Flow Rate	1/Day	1	0	12/10/2007
001	00056	Flow Rate	1/Day	1	0	12/11/2007
001	00056	Flow Rate	1/Day	1	0	12/12/2007
001	00056	Flow Rate	1/Day	1	0	12/13/2007
001	00056	Flow Rate	1/Day	1	0	12/14/2007
001	00056	Flow Rate	1/Day	1	0	12/15/2007
001	00056	Flow Rate	1/Day	1	0	12/16/2007
001	00056	Flow Rate	1/Day	1	0	12/17/2007
001	00056	Flow Rate	1/Day	1	0	12/18/2007

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001	00056	Flow Rate	1/Day	1	0	12/20/2007
001	00056	Flow Rate	1/Day	1	0	12/21/2007
001	00056	Flow Rate	1/Day	1	0	12/22/2007
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001	00056	Flow Rate	1/Day	1	0	12/26/2007
001	00056	Flow Rate	1/Day	1	0	12/27/2007
001	00056	Flow Rate	1/Day	1	0	12/28/2007
001	00056	Flow Rate	1/Day	1	0	12/29/2007
001	00056	Flow Rate	1/Day	1	0	12/30/2007
001	00056	Flow Rate	1/Day	1	0	12/31/2007
001	00056	Flow Rate	1/Day	1	0	01/01/2008
001	00056	Flow Rate	1/Day	1	0	01/02/2008
001	00056	Flow Rate	1/Day	1	0	01/04/2008
001	00056	Flow Rate	1/Day	1	0	01/05/2008
001	00056	Flow Rate	1/Day	1	0	01/06/2008
001	00056	Flow Rate	1/Day	1	0	01/07/2008
001	00056	Flow Rate	1/Day	1	0	01/08/2008
001	00056	Flow Rate	1/Day	1	0	01/09/2008
001	00056	Flow Rate	1/Day	1	0	01/10/2008
001	00056	Flow Rate	1/Day	1	0	01/11/2008
001	00056	Flow Rate	1/Day	1	0	01/12/2008
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001	00056	Flow Rate	1/Day	1	0	01/28/2008
001	00056	Flow Rate	1/Day	1	0	01/29/2008
001	00056	Flow Rate	1/Day	1	0	01/30/2008
001	00056	Flow Rate	1/Day	1	0	01/31/2008

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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.

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.

Within 10 days of the date of this letter, you are directed 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 questions regarding this letter, please contact the undersigned at (330) 963-1183.

Sincerely,

A handwritten signature in black ink that reads "Marie Underwood". The signature is written in a cursive, flowing style.

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

MU/mt