



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

November 26, 2012

RE: LAKE COUNTY  
KIRTLAND  
KIRTLAND MARKET  
8232 CHARDON ROAD  
NPDES PERMIT NO. 3PR00176

**NOTICE OF VIOLATION**

Mr. Tim Beech  
West Concord Properties LLC  
9941 Cypress Circle  
Concord, OH 44060

Dear Mr. Beech:

On November 20, 2012, this writer conducted a compliance evaluation inspection of the wastewater treatment plant (WWTP) that serves the above referenced the above referenced facility. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit.

The following observations were noted:

- 1) The aeration tank mixed liquor was light brown in color, as was the return sludge discharge line. The skimmer discharge line was in operation. White foam was evident in the aeration tank.
- 2) The settling tank had an excessive amount of sludge behind the baffles and in the effluent trough. The sludge wasting rate may need adjusting. Please consult with your operator-of-record.
- 3) The west filter bed was in use. Both the east and west bed contained an excessive amount of pine needles on its surface. The pine needles must be removed from the beds. Also, the filter sand was not distributed evenly. 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) Disinfection season has ceased and will resume again on May 1<sup>st</sup>, when chlorination and de-chlorination will be required.
- 5) The effluent in the chlorine contact chamber was clear; however, pine needles were present in the tank and must be removed.
- 6) The operation and maintenance log book is located in an old refrigerator unit located within the fence.
- 7) The sludge holding tank was in operation, aerating the liquid sludge.

A review of the discharge monitoring reports, covering the period April 2011 to October 2012 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00400	pH	1D Conc	6.5	6.21	6/2/2011
001	31648	E. coli	30D Conc	161	420.	8/1/2011
001	31648	E. coli	7D Conc	362	420.	8/1/2011
001	00300	Dissolved Oxygen	1D Conc	6.0	5.03	8/2/2011
001	00530	Total Suspended Solids	30D Conc	12	24.	8/1/2012
001	00530	Total Suspended Solids	7D Conc	15	24.	8/1/2012

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 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/cs