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July 15, 2010

RE: LAKE COUNTY
KIRTLAND
THE CHURCH OF JESUS CHRIST
OF LATTER DAY SAINTS
NPDES PERMIT NO. 3PR00115

Mr. J. Scott Gilchrist
Facilities Manager
The Church of Jesus Christ of Latter Day Saints
P.O. Box 926
Mentor, OH 44060

Dear Mr. Gilchrist:

In response to a complaint by the employees of the Mosquito Control Program within the Lake County General Health District (LCGHD), this writer and Terry Kent, R.S. of the LCGHD conducted an inspection of the wastewater treatment plant serving the above referenced facility on July 14, 2010.

At the time of the inspection, all treatment units were in operation. The plant was producing an effluent of satisfactory visual quality in that the effluent was free of solids, debris, oil and grease. The following observations were noted:

- The aeration tank was operating in a satisfactory manner. The mixed liquor suspended solids was brown in color, as was the return sludge line discharge.
- The settling tank content was turbid. An excessive amount of sludge had accumulated on the surface of the settling tank, behind the settling tank baffles, and in the effluent trough. The sludge behind the baffles should be removed. The sludge wasting rate may need to be increased.
- Maintenance of the filter beds was not satisfactory. Both filter beds were ponded with sewage sludge. Once the filter beds drain, the sludge solids and any vegetation must be removed from the surface of the filter beds and replaced with clean, Ohio EPA approved filter sand. Assurances must be made that 18 inches of approved filter sand exists on both beds. Ohio EPA approved filter sand has a uniformity coefficient that does not exceed 3.0 and an effective size of 0.4 mm - 1.0 mm. The sand must be raked and evenly distributed across the surface of the filter bed.
- The chlorinator contained chlorine tablets, as required
- The dechlorinator contained sodium bisulfate tablets, as required.

A review of the plant's Discharge Monitoring Reports revealed the following effluent violations during the period of October 2009 through June 2010:

Mr. J. Scott Gilchrist
The Church of Jesus Christ of Latter Day Saints
July 15, 2010
Page 2

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00300	Dissolved Oxygen	1D Conc	6.0	5.6	11/25/2009
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.8	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	4.8	1/22/2010

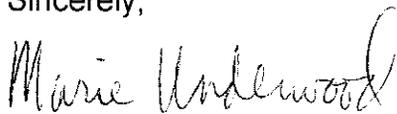
Be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting and compliance scheduling requirements of your NPDES permit may be cause for enforcement pursuant to Ohio Revised Code Chapter 6111.

This office has been notified that construction has commenced for the gravity sewer, force main and pump stations along State Route 306 that will discharge to the Gary L. Kron Water Reclamation Facility. Once the public sewer is constructed, this office will require the abandonment and demolition of the wastewater treatment plant. The Church must notify this office when connection to the public sewer and demolition of the wastewater treatment plant has occurred. The NPDES permit for the facility will then be revoked.

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.

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

cc: Terry Kent R.S., Lake County General Health District