



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

October 26, 2009

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:

On October 21, 2009, this writer conducted a compliance evaluation inspection of the wastewater treatment plant serving the above referenced facility. The purpose of the inspection was to evaluate the facility's compliance status with respect to the terms and conditions of the above referenced National Pollutant Discharge Elimination System (NPDES) permit.

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 mixed liquor suspended solids was chocolate brown in color.
- The settling tank content was turbid. Some sludge had accumulated on the surface of the settling tank and behind the settling tank baffles. The sludge behind the baffles should be removed.
- The filter beds contained sludge and some vegetation. 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 2008 through September 2009:

| Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 4.85 | 10/1/2008 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Conc | 1.5 | 4.85 | 10/1/2008 |
| 001 | 00300 | Dissolved Oxygen | 1D Conc | 6.0 | 1.6 | 2/5/2009 |
| 001 | 00300 | Dissolved Oxygen | 1D Conc | 6.0 | .09 | 7/16/2009 |

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| Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 001 | 00300 | Dissolved Oxygen | 1D Conc | 6.0 | .1 | 7/30/2009 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 1.1 | 8/1/2009 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 1.51 | 9/1/2009 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Conc | 1.5 | 1.51 | 9/8/2009 |

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.

The renewal NPDES permit application was received by this office on September 25, 2009. The permit will be drafted soon. A 30-day comment period will be provided. Any questions or concerns regarding the draft permit must be submitted to this office, in writing.

This office has been notified that the Lake County Board of Commissioners had adopted on March 31, 2009, a resolution authorizing the advertising of bids for the construction of 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