

**Environmental  
Protection Agency**

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korleski, Director

November 24, 2010

RE: LAKE COUNTY  
CONCORD TOWNSHIP  
HENRY F. LAMUTH MIDDLE SCHOOL  
NPDES PERMIT NO. 3PT00120  
APPLICATION NO. OH0134716

**NOTICE OF VIOLATION**

Mr. James Kalis, Superintendent  
Painesville Township Board of Education  
585 Riverside Drive  
Painesville, OH 44077

Dear Mr. Kalis:

On November 19, 2010, this writer conducted a compliance evaluation inspection of the wastewater treatment plant that serves LaMuth Middle School. 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 effluent limits.

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

- The flow equalization tank was in operation, as required.
- The aeration tank was in operation. The mixed liquor was brown in color. The sludge return line and skimmer line were in operation.
- The settling tank content was turbid.
- The filter beds contained excessive amounts of vegetation. Any vegetation and solids laden sand must be removed and replaced with clean sand. Assurances must be made that 18 inches of Ohio EPA 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 beds.
- The sludge holding tank was in use.

A review of the discharge monitoring reports covering the month of August 2009 to October 2010 revealed the following effluent limitation violations:

| Station | Reporting Code | Parameter               | Limit Type | Limit | Reported Value | Violation Date |
|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 1.0   | 12.74          | 10/1/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.045 | .18324         | 10/1/2009      |

Northeast District Office  
2110 East Aurora Road  
Twinsburg, OH 44087-1924

330 | 963 1200  
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| Station | Reporting Code | Parameter               | Limit Type | Limit | Reported Value | Violation Date |
|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 1.5   | 12.74          | 10/8/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Qty     | 0.068 | .18324         | 10/8/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 3.0   | 35.98          | 11/1/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.136 | .46303         | 11/1/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 4.5   | 35.98          | 11/8/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Qty     | 0.204 | .46303         | 11/8/2009      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 3.0   | 8.54           | 1/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 4.5   | 8.54           | 1/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 3.0   | 19.74          | 2/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.136 | .22415         | 2/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 4.5   | 19.74          | 2/8/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Qty     | 0.204 | .22415         | 2/8/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 3.0   | 8.68           | 3/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.136 | .13799         | 3/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 3.0   | 13.3           | 4/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.136 | .18626         | 4/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 4.5   | 13.3           | 4/22/2010      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 1.0   | 13.02          | 5/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 1.5   | 13.02          | 5/22/2010      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 1.0   | 6.19           | 9/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.045 | .10309         | 9/1/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 1.5   | 6.19           | 9/8/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Qty     | 0.068 | .10309         | 9/8/2010       |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Conc   | 1.0   | 11.62          | 10/1/2010      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 30D Qty    | 0.045 | .16273         | 10/1/2010      |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Conc    | 1.5   | 11.62          | 10/15/2010     |
| 001     | 00610          | Nitrogen, Ammonia (NH3) | 7D Qty     | 0.068 | .16273         | 10/15/2010     |

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.

The Operation and Maintenance Log Book is kept in a mailbox located within the plant grounds. The following information must be recorded:

1. Identification of the sewage treatment works;
2. Date and times of arrival and departure for the operator of record and any other operator required by this chapter;
3. Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage conveyed or effluent produced;
4. Results of tests performed and samples taken, unless documented on a laboratory sheet;

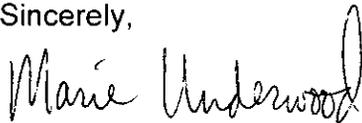
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5. Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and
6. Identification of the persons making entries.

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: Bob Hoyt, Maintenance Supervisor