



**Environmental  
Protection Agency**

**John R. Kasich, Governor**

**Mary Taylor, Lt. Governor**

**Scott J. Nally, Director**

March 16, 2012

RE: LAKE COUNTY  
MADISON TOWNSHIP  
STEWART LODGE  
NPDES PERMIT NO. 3PR00332  
APPLICATION NO. OH0133132

Mr. John Dalsky, Administrator  
Stewart Lodge  
7774 Warner Drive  
Madison, OH 44057

Dear Mr. Dalsky:

On March 14, 2012, this writer conducted a compliance evaluation inspection of the wastewater treatment plant (WWTP) that serves Stewart Lodge. 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. Mr. Rob Wright accompanied this writer during the inspection.

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

1. The aerated flow equalization tank was in operation, as required.
2. The aeration tank blower was in operation. The mixed liquor suspended solids was brown in color, typical for aeration tanks. The skimmer and sludge return line were in operation.
3. The settling tank was providing settling of the sludge. The settling tank sludge blanket was visible, but somewhat high. Some sludge was on the water surface of the tank and blocking the effluent weir. Consideration should be given to increasing the sludge wasting rate. Please consult with your operator-of-record.
4. The west filter bed contained some sludge on its surface. Sticks were present in the east filter bed. Any sludge, vegetation, debris and solids laden sand must be removed. Assurances must be made that 18 inches of clean, 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 bed.
5. The sludge holding tank contained sludge that was being aerated, as required.
6. The facility is equipped with chlorination and dechlorination facilities. When disinfection season commences May 1<sup>st</sup> please ensure that chlorine and sulfite tables are placed in the chlorinator and dechlorinator, respectively. Disinfection of the effluent must continue through October 31<sup>st</sup>.
7. In accordance with Ohio Administrative Code 3745-7-09, the operation and maintenance log book is located in the mail box adjacent to the flow equalization tank and appeared satisfactory.
8. Mr. Dustin Lewis is the operator-of-record at the plant.

The above referenced deficiencies must be addressed immediately.

A review of the discharge monitoring reports (DMRs) covering the period of December 2010 to January 2012 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	7.	8/1/2011
001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.021	.14784	8/1/2011
001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	7.	8/17/2011
001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.032	.14784	8/17/2011

The average daily design flow of the WWTP continues to be reported on the discharge monitoring reports as the daily estimated flow. This is not acceptable. Acceptable methods for estimating daily flow at plants are, in order of preference: 1) elapsed time meters on sand filter dosing pumps; 2) elapsed time meters on influent pumps; and 3) water use records. *Continued failure to accurately report discharge flow may result in a schedule of compliance in the renewal permit, to install a flow meter.*

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 NPDES permit for this facility expires December 31, 2012. A renewal NPDES permit application must be submitted to this office 180 days prior to the expiration date. Please submit a renewal NPDES permit application to this office by June 30, 2012. An application fee of \$200 must accompany the application. The check must be made payable to the Treasurer, State of Ohio.

The renewal NPDES permit will be drafted after receipt of the application. When the permit is public noticed, please review it carefully. A 30-day comment period will be provided. All comments must be in writing and should be directed to this district office.

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/cs