



**Environmental  
Protection Agency**

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

January 4, 2010

RE: LAKE COUNTY  
MADISON TWP.  
HOLLY RIDGE APARTMENTS  
NPDES PERMIT NO. 3PR00376  
APPLICATION NO. OH0134651

Mr. Johnny Tetrick  
P.O. Box 19451  
Cleveland, OH 44119

Dear Mr. Tetrick:

On December 29, 2010, this writer conducted a compliance evaluation inspection of the wastewater treatment plant that serves 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 effluent limits.

At the time of inspection the plant was producing an effluent free of solids, debris, oil and grease. The following observations were noted:

1. The flow equalization tank was in operation; however the tank was not covered with grating. As a safety precaution, grating must be placed over the tank.
2. The aeration plant was in operation, as required. The mixed liquor was brown in color. The settling tank content was turbid. The settling tank had sludge on its surface and blocking the effluent weir. The sludge should be removed from these areas.
3. The dosing chamber was operational, but contained a submersible pump with a hose that discharged to the filter bed. According to your maintenance worker, the submersible pump and hose are there temporarily, so that a smaller amount of wastewater will be pumped to the filter bed that would result in less ponding on the filter bed. It is your maintenance worker's intent to remove the submersible pump and hose in the next few days. The permanent dosing pumps are operational and will be returned to their original design use.
4. The filter beds had some sludge on their surface. The sludge and the top layer of solids laden sand must be removed. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists on the bed. 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 Operation and Maintenance Manual is kept in a mailbox attached to the main gate.

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The above referenced deficiencies should be corrected immediately.

A review of the discharge monitoring reports covering the period of August 2009 to November 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	3.0	17.78	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	17.78	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.136	.92063	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.204	.92063	1/1/2010

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.

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, please contact the undersigned at (330) 963-1183.

Sincerely,



Marie Underwood, P.E.  
Environmental Engineer  
Division of Surface Water

MU/mt