



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

May 3, 2012

RE: LAKE COUNTY
MADISON TWP.
MADISON HEALTH CARE
NPDES PERMIT NO. 3PR00080
APPLICATION NO. OH0084158

Susan Knowlson, Administrator
Madison Health Care
7600 South Ridge Road
Madison, OH 44057

Dear Ms. Knowlson:

On May 1, 2012, this writer conducted a compliance evaluation inspection of the wastewater treatment plant serving the Madison Health Care facility. Mr. Randy Bentley, Maintenance Director, represented Madison Health Care during the inspection. The purpose of the inspection was to evaluate the facility's compliance status with respect to the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit.

At the time of inspection, the plant was producing an effluent of satisfactory visual quality in that there was no evidence of solids or oil and grease. General operation and maintenance of the grounds, processes and equipment appeared to be satisfactory.

The following observations were noted:

- The flow equalization tank was operational.
- The mixed liquor for the top and bottom plants was brown in color typical of extended aeration plants.
- The return sludge lines and skimmer discharge lines were operational.
- Some sludge has accumulated behind the settling tank baffles and should be removed.
- The east filter bed was in operation, showing channeling of the discharge onto the surface of the bed. The filter sand needs to be raked and evenly distributed across the bed in order to promote even distribution of flow across the filter bed surface. The west filter bed had some sludge on its surface. Once the sludge dries, it should be removed. 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.
- No chlorine tablets or sulfite tablets were in the chlorinator and dechlorinator, respectively. The disinfection season commenced May 1st and continues through October 31st. During this time chlorine tablets must be maintained in the chlorinator and sulfite tablets in the dechlorinator.
- The operation and maintenance log book was satisfactory.

A review of the facility's Discharge Monitoring Reports (DMRs) for the period of June 2010 through March 2012 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	50060	Chlorine, Total Residual	1D Conc	0.019	.08	5/5/2011
001	31648	E. coli	30D Conc	161	640.	7/1/2011
001	31648	E. coli	7D Conc	362	640.	7/8/2011

Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring, reporting, or compliance scheduling 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 directed 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/cs