



State of Ohio Environmental Protection Agency

Northeast District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

July 28, 2008

RE: MAHONING COUNTY
MILTON TWP.
M&C MHP
NPDES PERMIT NO. 3PV00089

Mr. Mitchell A. Naumoff
Office 156 6th St. NW
Barberton, OH 44203

Dear Mr. Naumoff:

On July 14, 2008, an unannounced Compliance Evaluation Inspection (CEI) of the M&C MHP wastewater treatment system was conducted by this writer. The intent of the inspection was to evaluate operations and maintenance of the facility. The compliance record for the facility was also reviewed as part of this CEI.

Operations and maintenance of the treatment system was again found to be unsatisfactory at the time of the inspection. Following are observations made during the inspection.

- 1) The aeration tank had good color. The aeration rate appeared excessive. A heavy mixing action is not necessary and may be detrimental by effecting sludge settling. The aeration tank only needs to have a rolling action to provide sufficient air to the system.
- 2) The clarifier was unsatisfactory. There was an accumulation of heavy scum behind the influent baffle.
- 3) The sand filters are considered unsatisfactory for the following reasons.
 - a. All three filter beds were choked with weeds. The weeds had been cut; but, stubble and roots covered the sand surface. Sand filters are required to be free of weeds, have eighteen inches of leveled sand, and have splash plates at the outlet from the distribution pipes to each sand filter.
 - b. The outside walls of the two western-most filters were leaking to the surrounding ground.
 - c. The eastern-most sand filter is unusable due to the degraded condition of the walls.
 - d. Wastewater was ponded on the surface of the middle sand filter due to a mixture of plant residue and sludge. The wastewater did not filter down through the sand media in the time this writer was on site.

It is understood that the sand filters will be replaced in the future once proposed plant upgrades are approved and installed. However, the middle and western filters must be properly maintained in the interim. The plant residue, including roots and stubble, must be removed to provide the free flow of wastewater through the sand. Splash plates must be placed at the ends of the distribution pipes to prevent erosion of the sand.

- 4) Disinfection and de-chlorination tablets were in place in the disinfection tank at the time of the inspection. Additional tablets were on-site.

Compliance Review

The compliance record for the treatment plant was reviewed as part of this inspection. The record of review was the Monthly Operating Reports from March 2007 through June 2008. Following is a list of limit violations recorded for the review period.

| Reporting Period | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|------------------|-------------------------|------------|-------|----------------|----------------|
| March 2007 | CBOD 5 day | 30D Conc. | 10 | 28.0 | 3/1/2007 |
| March 2007 | CBOD 5 day | 30D Qty. | 0.76 | 2.1196 | 3/1/2007 |
| March 2007 | CBOD 5 day | 1D Conc. | 15.0 | 28.0 | 3/6/2007 |
| March 2007 | CBOD 5 day | 1D Qty. | 1.14 | 2.1196 | 3/6/2007 |
| March 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 4.9 | 3/20/2007 |
| March 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 5.3 | 3/27/2007 |
| March 2007 | Nitrogen, Ammonia (NH3) | 30D Conc. | 4.5 | 7.36 | 3/1/2007 |
| March 2007 | Nitrogen, Ammonia (NH3) | 30D Qty. | 0.34 | .55715 | 3/1/2007 |
| March 2007 | Nitrogen, Ammonia (NH3) | 1D Conc. | 6.75 | 7.36 | 3/6/2007 |
| March 2007 | Nitrogen, Ammonia (NH3) | 1D Qty. | 0.51 | .55715 | 3/6/2007 |
| March 2007 | Total Suspended Solids | 30D Conc. | 12 | 14.0 | 3/1/2007 |
| March 2007 | Total Suspended Solids | 30D Qty. | 0.91 | 1.0598 | 3/1/2007 |
| April 2007 | Nitrogen, Ammonia (NH3) | 30D Conc. | 4.5 | 11.0 | 4/1/2007 |
| April 2007 | Nitrogen, Ammonia (NH3) | 30D Qty. | 0.34 | .8327 | 4/1/2007 |
| April 2007 | Nitrogen, Ammonia (NH3) | 1D Conc. | 6.75 | 11.0 | 4/3/2007 |
| April 2007 | Nitrogen, Ammonia (NH3) | 1D Qty. | 0.51 | .8327 | 4/3/2007 |
| April 2007 | Total Suspended Solids | 30D Conc. | 12 | 20.0 | 4/1/2007 |
| April 2007 | Total Suspended Solids | 30D Qty. | 0.91 | 1.514 | 4/1/2007 |
| April 2007 | Total Suspended Solids | 1D Conc. | 18.0 | 20.0 | 4/3/2007 |
| April 2007 | Total Suspended Solids | 1D Qty. | 1.36 | 1.514 | 4/3/2007 |
| May 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 5.9 | 5/22/2007 |
| May 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 4.9 | 5/29/2007 |
| June 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 4.2 | 6/5/2007 |
| June 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 5.0 | 6/12/2007 |
| June 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 3.8 | 6/21/2007 |
| June 2007 | Dissolved Oxygen | 1D Conc. | 6.0 | 5.5 | 6/28/2007 |
| June 2007 | Nitrogen, Ammonia (NH3) | 30D Conc. | 1.5 | 3.09 | 6/1/2007 |
| June 2007 | Nitrogen, Ammonia (NH3) | 30D Qty. | 0.11 | .23391 | 6/1/2007 |
| June 2007 | Nitrogen, Ammonia (NH3) | 1D Conc. | 2.25 | 3.09 | 6/5/2007 |
| June 2007 | Nitrogen, Ammonia (NH3) | 1D Qty. | 0.17 | .23391 | 6/5/2007 |
| July 2007 | Nitrogen, Ammonia (NH3) | 30D Conc. | 1.5 | 4.33 | 7/1/2007 |
| July 2007 | Nitrogen, Ammonia (NH3) | 30D Qty. | 0.11 | .32778 | 7/1/2007 |
| July 2007 | Nitrogen, Ammonia (NH3) | 1D Conc. | 2.25 | 4.33 | 7/3/2007 |
| July 2007 | Nitrogen, Ammonia (NH3) | 1D Qty. | 0.17 | 0.32778 | 7/3/2007 |
| July 2007 | Total Suspended Solids | 30D Conc. | 12 | 41.0 | 7/1/2007 |
| July 2007 | Total Suspended Solids | 30D Qty. | 0.91 | 3.1037 | 7/1/2007 |
| July 2007 | Total Suspended Solids | 1D Conc. | 18.0 | 41.0 | 7/3/2007 |
| July 2007 | Total Suspended Solids | 1D Qty. | 1.36 | 3.1037 | 7/3/2007 |
| February 2008 | CBOD 5 day | 30D Conc. | 10 | 17.0 | 2/1/2008 |

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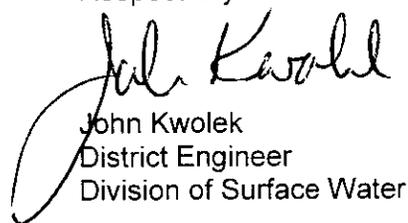
| Reporting Period | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|------------------|-------------------------|------------|-------|----------------|----------------|
| February 2008 | CBOD 5 day | 30D Qty. | 0.76 | 2.76684 | 2/1/2008 |
| February 2008 | CBOD 5 day | 1D Conc. | 15.0 | 17.0 | 2/5/2008 |
| February 2008 | CBOD 5 day | 1D Qty. | 1.14 | 2.76684 | 2/5/2008 |
| February 2008 | Dissolved Oxygen | 1D Conc. | 6.0 | 5.7 | 2/5/2008 |
| February 2008 | Dissolved Oxygen | 1D Conc. | 6.0 | 4.7 | 2/12/2008 |
| February 2008 | Nitrogen, Ammonia (NH3) | 30D Conc. | 4.5 | 6.08 | 2/1/2008 |
| February 2008 | Nitrogen, Ammonia (NH3) | 30D Qty. | 0.34 | .98955 | 2/1/2008 |
| February 2008 | Nitrogen, Ammonia (NH3) | 1D Qty. | 0.51 | .98955 | 2/5/2008 |
| February 2008 | Total Suspended Solids | 30D Conc. | 12 | 34.0 | 2/1/2008 |
| February 2008 | Total Suspended Solids | 30D Qty. | 0.91 | 5.53367 | 2/1/2008 |
| February 2008 | Total Suspended Solids | 1D Conc. | 18.0 | 34.0 | 2/5/2008 |
| February 2008 | Total Suspended Solids | 1D Qty. | 1.36 | 5.53367 | 2/5/2008 |

In addition to the limit violation noted above, the M&C MHP is in violation of the NPDES Permit by failing to properly maintain the treatment system as required by Part III., Item 3.A of the permit. Be advised that each of the violations identified above, and failing to properly operate and maintain the treatment system, constitute violations of Ohio Revised Code 6111.07. Such violations are subject to fines of up to \$10,000.00 per day per violation.

This writer previously considered referring M&C NHP to our Central Office for enforcement action. However, the option was reconsidered once the permit-to-install application for plant upgrades was submitted to this office. To avert enforcement action, M&C MHP must revise the permit-to-install application to incorporate the comments listed in a March 27, 2008 letter. The revised permit-to-install application must be submitted to this writer as soon as possible but not later than August 31, 2008.

You may contact this office at (330) 963-1251 to discuss any questions you may have.

Respectfully



John Kwolek
District Engineer
Division of Surface Water

JK/mt

cc: Joe Mansky, Mahoning County Department of Health