



Environmental  
Protection Agency

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

December 15, 2011

RE: LORAIN COUNTY  
PENFIELD TOWNSHIP  
EMS NET  
WWTP INSPECTION  
(NPDES NO. 3PT00103)

EMS NET  
40905 SR 18  
Wellington, OH 44090  
Attn: Christopher Sudnick

Dear Mr. Sudnick:

On November 15, 2011, a compliance evaluation inspection (CEI) was conducted on the wastewater treatment plant (WWTP) serving the EMS NET business, located at 40905 SR 18 E., Penfield Township, Lorain County. The inspection was conducted by Ms. Brianne Ciccone, and this writer, of the Ohio EPA, and Mr. John Sabo of the Lorain County Health Department.

The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, prior to renewal of its National Pollutant Discharge Elimination System (NPDES) permit to discharge.

At the time of the November 15<sup>th</sup> inspection, the following observations were made:

- 1) The trash trap was in use and its contents were typical.
- 2) Both the north and south aeration tanks were being well aerated, and their contents were dark brown. The south return sludge line was operating, and returning clear water. The north return sludge line was not operating.
- 3) The settling tank contents were turbid gray in color, with a floating layer of scum/solids. The skimmer in the settling tank was adjusted too high, and not removing the floating scum as a result. **The skimmer should be adjusted to approximately ¼" below the surface of the water.**

The settling tank effluent trough was level, and free of solids deposition.

- 4) The No. 1 pump in the sand filter dosing station was in the 'AUTO' mode, and was operational when manually tested. The No. 2 pump was in the 'OFF' mode, and when manually tested did not operate. **The No. 2 pump should be checked for proper operation, and repaired if necessary.**
- 5) The south cell of the surface sand filter was in use at the time of the inspection. Sand in both the north and south filter cells contained **vegetative growth, which should be removed; the sand kept free of solids and vegetation, and raked level.**

- 6) The tablet chlorination / dechlorination units were not in use, as effluent disinfection is not required from November 1<sup>st</sup> through April 30<sup>th</sup>. Both the chlorination and dechlorination units contain 2 tablet tubes each, and all tubes were properly capped.

A review of the compliance history for this facility, for the period of March 1, 2010 through November 1, 2011, was conducted utilizing data submitted in the electronic Discharge Monitoring Reports (eDMRs). The SWIMS data management tracking system found the following numerical effluent limits violations (based upon the data submitted to the Ohio EPA):

**EMS NET**  
**NPDES PERMIT NO. 3PT00103**  
**EFFLUENT NUMERIC VIOLATIONS**  
**(MAR. 1, 2010 – NOV. 1, 2011)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2011	Total Suspended Solids	30D Conc	12	26.	8/1/2011
August 2011	Total Suspended Solids	1D Conc	18	26.	8/18/2011

*\*\*NOTE: No frequency or reporting code violations indicated.*

Mr. Sabo should be contacted for the inspection of repairs to the treatment system. His telephone number is (440) 284-3228. If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CA/cs

cc: John Sabo, Lorain County Health Department