



Environmental  
Protection Agency

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

June 21, 2011

RE: PUBLIC WASTEWATER  
BOARDMAN WWTP  
MAHONING COUNTY  
NPDES PERMIT NO. 3PK00002  
2011 CEI

Board of Mahoning County Commissioners  
21 West Boardman Street  
Youngstown, OH 44503

Gentlemen:

On June 2, 2011, this writer conducted an inspection of the Boardman wastewater treatment plant. The intent of the inspection was to evaluate operations and maintenance of the system. In addition, the compliance record was also reviewed for any violations of the NPDES Permit. Representing the county during the inspection was Guy Maiorana.

Observations:

Following are observations of the system made during the inspection.

1. It was understood that all treatment processes were operational at the time of the inspection. Clarifier #3 was offline because of routine maintenance; however, it was indicated by Mr. Maiorana that the clarifier would be back online within two or three days of the inspection.
2. It appeared that all equipment associated with the grit removal system was operational.
3. The contents of the aeration tank had a medium brown color which is indicative of healthy conditions necessary for effective treatment of the wastewater.
4. Some sludge was floating to the surface of the clarifier and overflowing the weirs. This is typical of rectangular clarifiers when sludge accumulates in blind areas, denitrifies and then floats to the surface. Also, some pin floc was observed overflowing the weirs.
5. Effluent from the treatment system appeared free of odor or turbidity. However, there was an accumulation of floating material in the disinfection tank prior to discharge. The floating material should be screened off of the surface of the disinfection tank as soon as possible to prevent the material from being discharged to Mill Creek.

It is recommended that when the plant is expanded in the next few years, that baffles be placed across the disinfection channel to contain any floating scum. The baffles should be easily accessible so that any floating material can be removed by hand.

6. The emergency power generators were inspected. Mr. Maiorana indicated the system is exercised once a week. The system is activated automatically when the main power source from the grid is interrupted. It was understood that the backup generators can operate the entire treatment system. The main units, such as the blowers and other critical equipment, come on automatically once the generators are activated. Other processes that are less critical are phased into operation.
7. The outfall to Mill Creek was inspected. No impact to Mill Creek was apparent at the outfall.

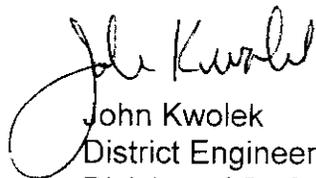
Compliance Review:

The compliance record for the county facility was reviewed as part of this inspection. The period of review was February 2010 through April 2011. One violation for phosphorus was identified throughout the review period.

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
September 2010	Phosphorus, Total (P)	7D Conc	1:5	1.6	9/1/2010

You may contact this writer at (330) 963-1251 or a [john.kwolek@epa.state.oh.us](mailto:john.kwolek@epa.state.oh.us) to discuss any questions you may have regarding this inspection report.

Respectfully,



John Kwolek  
District Engineer  
Division of Surface Water

JK/mt

cc: Bob Lyden, Mahoning County Sanitary Engineer  
Guy Maiorana, Superintendent, Mahoning County Sanitary Engineer's Office