



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

March 7, 2012

RE: COLUMBIANA COUNTY
VILLAGE OF WASHINGTONVILLE
NPDES PERMIT NO. 3PB00051
WASHINGTONVILLE WWTP
415 BOSTON STREET

Mayor and Council
Village of Washingtonville
P.O. Box 155
Washingtonville, OH 44490

Ladies and Gentlemen:

On February 22, 2011, this writer and Ms. Brianne Ciccone of this office, conducted an inspection of Washingtonville Wastewater Treatment Plant located at 415 Boston Street, Washington, Ohio. The Village was represented by Mr. Brian Gudat, Plant Superintendent. The purpose of the inspection was to review the water pollution control facilities and evaluate compliance with the facility's NPDES permit. The following was observed at the time of the inspection:

- 1) The facility appeared well maintained and well operated. A review of the monthly operating report data from June 2010 through January 2012 revealed only a phosphorus violation in March of 2011 and a suspended solids violation in June 2010.
- 2) At the time of the inspection, all treatment processes appeared operating satisfactory. The aeration tanks had good color with a small amount of foam on top. The operator is maintaining a sludge age a little higher than he would like. Ideally, extended air operations should run at around 15-30 days for sludge age. The clarifiers were producing a relatively clear effluent. The up flow clarifiers' media will need to be replaced in the near future. The effluent appeared satisfactory as it discharged to Cherry Run.
- 3) Sludge handling has become a problem for the plant. The operator is experiencing problems removing excess sludge from the plant as fast as necessary. The plant has been producing approximately 3,000 gallons per day of sludge. The plant has currently two 36,000 gallon aerated sludge digesters. The operator will fill these two tanks in a little less than a month. The plant also has two 20 ft. by 60 ft. sludge drying beds. These will hold roughly 12,000 gallons of digested sludge. Then the operator must wait for them to dry before he can manually clean them to reuse them. This only allows him to empty one third of a digester. The operator has been diligent in manipulating his plant to

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avoid any violations on a continuous basis. However, as the solids build up in the system, more frequent violations will occur. The Village must address this issue to prevent the need for enforcement should the plant start violating its permit on a regular basis.

- 3) The wastewater treatment plant only appears to have problems with high flows due to storm events. There are approximately 41 by-passes from the flow equalization tank during the period referenced above. The overflow which is blended with the final effluent is metered and sampled. The last Infiltration and Inflow (I&I) evaluation of the sewers was completed in the 1980's. Please respond in writing what steps the Village has taken to eliminate these overflows.
- 4) The current Village permit expired on November 30, 2011. This office will be drafting the renewal permit for the Village to review in the near future.

The Village must respond by March 23, 2012, all steps being taken to eliminate overflows from the flow equalization tank and reduce infiltration and inflow within the collection system. The Village should evaluate if a new infiltration and inflow study on the collection system is warranted and decide whether to potentially expand the plant or flow equalization tank. The Village should also enact legislation that would remove existing I&I from the system with home sales or as problems are documented within the system. The Village should also evaluate the solids handling facilities and explore the possibility of adding a mechanical sludge dewatering device and additional sludge holding.

Should you have any comments or concerns regarding this letter, please feel free to contact me at (330) 963-1193.

Respectfully,



Joseph E. Trocchio, P.E.
Environmental Engineer
Division of Surface Water

JET:bo

pc: Brian Gudat, Superintendent

File: Public/Permit Compliance/Washingtonville Wastewater Treatment Plant