



Environmental Protection Agency

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

December 9, 2011

RE: COLUMBIANA COUNTY
VILLAGE OF NEW WATERFORD
NPDES PERMIT NO. 3PB00059
NEW WATERFORD WWTP
47250 STATE ROUTE 46

Mayor and Council
Village of New Waterford
P.O. Box 147
New Waterford, OH 44445

Ladies and Gentlemen:

On November 9, 2011, this writer conducted an inspection of New Waterford Wastewater Treatment Plant (WWTP), located at 47250 State Route 46, New Waterford, Ohio. Representing the village during the inspection was Jim Brown, operator. The purpose of the inspection was to review the water pollution control facilities and evaluate compliance with the facility's National Pollutant Discharge Elimination System (NPDES) permit. The following was observed at the time of the inspection:

- 1) The facility appeared well operated. A review of the monthly operating report data from January 2008 through October 2011, revealed only a few violations of the NPDES permit effluent discharge criteria over the last four years.

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00059*JD	February 2008	Total Suspended Solids	7D Qty	21.8	33.5161	2/1/2008
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.4	7/13/2010
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.4	7/16/2010
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.4	7/19/2010
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.4	7/20/2010
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.3	7/21/2010
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.	7/22/2010
3PB00059*KD	July 2010	pH	1D Conc	6.5	6.3	7/26/2010
3PB00059*KD	August 2010	Chlorine, Total Residu	1D Conc	0.038	.14	8/6/2010
3PB00059*KD	March 2011	Total Suspended Solids	7D Qty	21.8	22.8916	3/8/2011

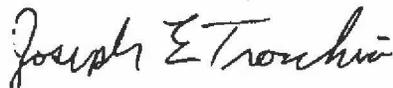
- 2) At the time of the inspection, all treatment processes appeared satisfactory. The aeration tank had good color and was utilizing fine bubble diffusers. The settling tanks were producing a relatively clear effluent with some minor pin floc going over the weirs. There were some signs that sludge had passed through to the chlorine contact tank and the pond at the final discharge point. The effluent appeared satisfactory as it discharged to Bull Creek.
- 3) The solids handling facilities consisted of an aerated sludge holding tank and sludge drying beds. The facility was in the process of removing the sludge cake from the sludge drying beds and disposing of it at the landfill. The Village also has the ability to haul liquid sludge to

the City of Salem. The existing sludge holding tank has the capacity of 16,000 gallons. Based on Ohio EPA guidance "Recommended Standards for Wastewater Facilities", the aerated sludge holding tank should be approximately 40,000 gallons. This unit must be evaluated for its adequacy for the WWTP operations. The plant historically and currently passes sludge onto the chlorine contact tank. This may be indicative of not wasting enough sludge from the system and running at a very old sludge which causes problems with poor settling and your plants operations. The existing sludge holding tank may not be big enough to handle the sludge needs of the wastewater treatment plant.

- 4) It was noted during the inspection that occasionally the equalization basin will be by-passed to the final clarifiers when the tank becomes full during heavy storm events. When this occurs, the final effluent must be sampled to verify compliance with the NPDES permit. This must be done even if it is not one of the plants normally scheduled sampling days. The criteria outlined in Part III, 12, of your NPDES permit must be followed.
- 5) The operator had to split time at the water plant which was inhibiting maintenance at the WWTP. The Operator of Record is required to be on-site five days per week and 20 hours per week. This would be bare minimum to operate the plant. Maintenance and repairs would be in addition to this. The Village should review their agreement with F&V Operations and determine who will be doing maintenance at the plant.

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

Respectfully,



Joseph E. Trocchio
Environmental Engineer
Division of Surface Water

JET/cs

cc: Jim Brown, Operator Specialist

File: Public/Permit Compliance/New Waterford Wastewater Treatment Plant