



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

July 27, 2010

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 June 29, 2010, this writer conducted an inspection of Washingtonville Wastewater Treatment Plant, located at 415 Boston Street, Washington, Ohio. Representing the Village during the inspection was Brian Gudat, 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 last two years of monthly operating report data revealed the attached violations of the NPDES permit effluent discharge criteria. Most of the violations were in September of 2008 due to a power outage for an extended period of time. Other than the power outage there were only a few violations during the two year period. At the time of the inspection the Superintendent inquired if a Permit-to-Install would be necessary for the installation of the permanent stand-by power at the plant. The Village must submit a Permit-to-Install for all new facilities.
- 2) At the time of the inspection, all treatment processes appeared satisfactory. One of the three influent pumps was out to be serviced. The aeration tanks had good color with some foam on top. This foam may be indicative of an old sludge age. Ideally, extended air operations should run at around 30 days for sludge age. The clarifiers were producing a relatively clear effluent. The Village has installed phosphorus removal equipment and appears to be meeting the effluent limits. The equipment was installed in October 2007 and the effluent has been less than 1.0 mg/l of phosphorus since that time. The current TMDL for the Middle Fork of Little Beaver Creek will not require any further actions at this time; however, future studies could change that position. The effluent appeared satisfactory as it discharged to Cherry Run.

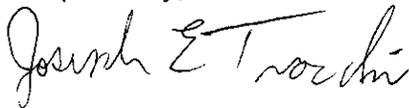
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- 3) The wastewater treatment plant only appears to have problems with high flows due to storm events. There are approximately six by-passes from the flow equalization tank a year. The overflow which is blended with the final effluent is metered and sampled. The last Infiltration and Inflow (I&I) evaluation of the sewers was completed in the 1980's. This appears to be an ongoing problem that the Village must address.

The Village must respond by August 20, 2010, 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 sludge press 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/mt

cc: Brian Gudat, Superintendent

File: Public/Permit Compliance/Washingtonville Wastewater Treatment Plant

VILLAGE OF WASHINGTONVILLE DISCHARGE VIOLATIONS MAY 2008 - JUNE 2010

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2008	Nitrogen, Ammonia (NH3)	30D Qty	.09	.26685	5/1/2008
September 2008	Nitrogen, Ammonia (NH3)	30D Conc	2.5	15.161	9/1/2008
September 2008	Nitrogen, Ammonia (NH3)	7D Conc	3.8	30.2	9/15/2008
September 2008	Nitrogen, Ammonia (NH3)	30D Qty	.09	2.29572	9/1/2008
September 2008	Nitrogen, Ammonia (NH3)	7D Qty	1.4	4.57228	9/15/2008
September 2008	Fecal Coliform	7D Conc	2000	7765.	9/15/2008
September 2008	CBOD 5 day	30D Conc	15	20.7596	9/1/2008
September 2008	CBOD 5 day	7D Conc	23	69.4	9/15/2008
September 2008	CBOD 5 day	7D Qty	10.2	10.5071	9/15/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	3.37	9/15/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	1.44	9/16/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	1.08	9/17/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	1.62	9/18/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	1.69	9/19/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	2.23	9/22/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	4.71	9/23/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	4.97	9/24/2008
June 2010	Total Suspended Solids	7D Qty	13.6	18.6736	6/8/2010
March 2010	Total Suspended Solids	7D Qty	20.4	22.2527	3/22/2010
February 2010	Phosphorus, Total (P)	30D Conc	1.0	1.29	2/1/2010
June 2009	Total Suspended Solids	7D Qty	13.6	15.7948	6/15/2009
June 2009	Nitrogen, Ammonia (NH3)	30D Qty	.09	.22288	6/1/2009