OhioEPA
State of Ohio Environmental Protection Agency
Northeast District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

December 17, 2007

RE: COLUMBIANA COUNTY
UNITED LOCAL SCHOOLS
NPDES PERMIT NO. 3PT00066
UNITED LOCAL SCHOOLS WWTP
8143 STATE ROUTE 9

Mr. Glenn Willis, Superintendent
United Local School District
8143 State Route 9
Hanoverton, OH 44423

Dear Mr. Willis:

On November 29, 2007, this writer conducted an inspection of United Local Schools Wastewater Treatment Plant, located at 8143 State Route 9. 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:

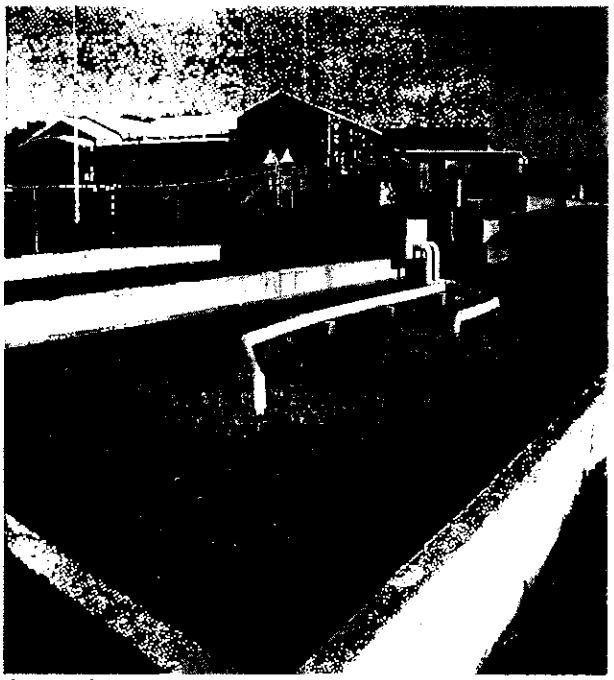
1) The facility appeared well maintained and well operated. The maintenance supervisor is currently providing a high degree of oversight. A review of the monthly operating reports from April 2004 through September 2007 data revealed approximately twenty violations of the NPDES permit effluent discharge criteria. A table listing the violations is attached for your review.

2) At the time of the inspection, all treatment processes appeared satisfactory. The aeration tanks had good color, and the clarifiers appeared to be producing a satisfactory effluent with some minor pin floc. Your operator should evaluate the solids inventory within the system. Regularly evaluating the mixed liquor suspended solids, sludge volume index, and the food to microorganism ratio will aid in maintaining the appropriate solids levels in the system. The effluent appeared satisfactory as it discharged to an unnamed tributary of the Sandy Creek.

3) Sludge handling facilities are required on all plants with a design flow exceeding 10,000 gpd. The design flow of this facility is 30,000 gpd and does not include an aerated sludge holding tank. An aerated sludge holding tank will allow for frequent removal of sludge from the system without having to schedule an outside contractor. It also provides a method to dewater the sludge result in less material for disposal, therefore, reduced costs. The school should begin planning for having an aerated sludge holding tank installed at some point in the near future. A facility of this size would require a 6,000-gallon holding tank.

4) The southern filter bed had some minor weeds and solids which need to be cleaned. The waste solids cleaned from the filter bed must be placed in a dumpster for the landfill.

Photographs of the inspection are provided below.



Sand filter needs some minor cleaning.

Plant discharge appears satisfactory.

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/mt

cc: David Starcher, United Schools building and grounds supervisor
Don Harrison, Operator

File: Semipublic/Columbiana Count/Hanover Township/United Local WWTP

UNITED LOCAL SCHOOL DISTRICT WWTP VIOLATIONS: APRIL 2004 - SEPT 2007

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PT00066*BD	July 2004	pH	1D Conc	6.5	6.	7/5/2004
3PT00066*BD	July 2004	pH	1D Conc	6.5	5.6	7/8/2004
3PT00066*BD	May 2004	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.1575	5/1/2004
3PT00066*BD	March 2007	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.7075	3/1/2007
3PT00066*BD	March 2007	Nitrogen, Ammonia (NH3)	7D Conc	4.5	10.56	3/1/2007
3PT00066*BD	April 2006	pH	1D Conc	6.5	6.1	4/13/2006
3PT00066*BD	April 2006	pH	1D Conc	6.5	6.47	4/18/2006
3PT00066*BD	April 2006	pH	1D Conc	6.5	6.13	4/25/2006
3PT00066*BD	May 2006	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.175	5/1/2006
3PT00066*BD	May 2006	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.11	5/1/2006
3PT00066*BD	May 2007	pH	1D Conc	6.5	6.27	5/3/2007
3PT00066*BD	May 2007	pH	1D Conc	6.5	6.36	5/17/2007
3PT00066*BD	May 2007	pH	1D Conc	6.5	6.25	5/24/2007
3PT00066*BD	April 2007	pH	1D Conc	6.5	6.42	4/5/2007
3PT00066*BD	April 2007	pH	1D Conc	6.5	6.39	4/12/2007
3PT00066*BD	April 2007	pH	1D Conc	6.5	6.41	4/17/2007
3PT00066*BD	April 2007	pH	1D Conc	6.5	6.28	4/19/2007
3PT00066*BD	April 2007	pH	1D Conc	6.5	6.49	4/26/2007
3PT00066*BD	June 2007	pH	1D Conc	6.5	6.49	6/7/2007
3PT00066*BD	June 2007	pH	1D Conc	6.5	6.4	6/12/2007
3PT00066*BD	August 2007	pH	1D Conc	6.5	2.	8/23/2007