



Environmental
Protection Agency

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

May 18, 2011

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 May 18, 2011, 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 was in need of some maintenance. The mixed liquor in the aeration tank had a poor color and the sludge return was not operational. A review of the Discharge Monitoring Reports from January 2009 through April 2011 data were reviewed and the violations of the NPDES permit are attached to this letter. Any violations of the plant's effluent must be reported per the permit requirements.
- 2) At the time of the inspection the aeration tanks were a greyish brown color. The sludge return has not been operational since November 2010 and the mixed liquor appeared to be starving. The flow equalization tank had some foam in it. The settling chamber had some floating sludge balls and the baffles needed cleaned. The effluent appeared marginal as it discharged to an unnamed tributary of the Sandy Creek.
- 3) Both filter beds had vegetation and needed to be cleaned. The waste solids cleaned from the filter bed must be placed in a dumpster for the landfill.
- 4) The splitter box at the head of the plant appeared to have a pipe to by-pass the flow equalization tank. Please explain the reason for this optional piping.
- 5) The treatment operator must submit an Operator of Record form with the Central Office of the Ohio EPA as required by 3745-7-02 of the Ohio Administrative

Mr. Glenn Willis
United Local Schools
May 19, 2011
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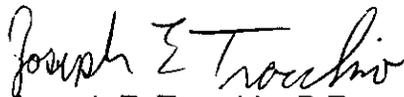
Code. The form can be found at this web page: <http://www.epa.ohio.gov/dsw/opcert/opcert.aspx> A Class I operator must be present at the facility for at least three days per week for 1.5 hours.

6) Photos of the inspection are attached.

Please respond in writing by June 15, 2011, with the projected date of the repairs to the wastewater treatment plant. Also, provide an explanation for the violations noted above.

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: David Starcher, United Schools Building and Grounds Supervisor
Lori J. Barnes, Columbiana County Health Dept.
Bert Dawson, P.E., Columbiana County Engineers
Chuck Weber, Columbiana County Engineers
Troy Graft, P.E., P.S., Columbiana County Engineers

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

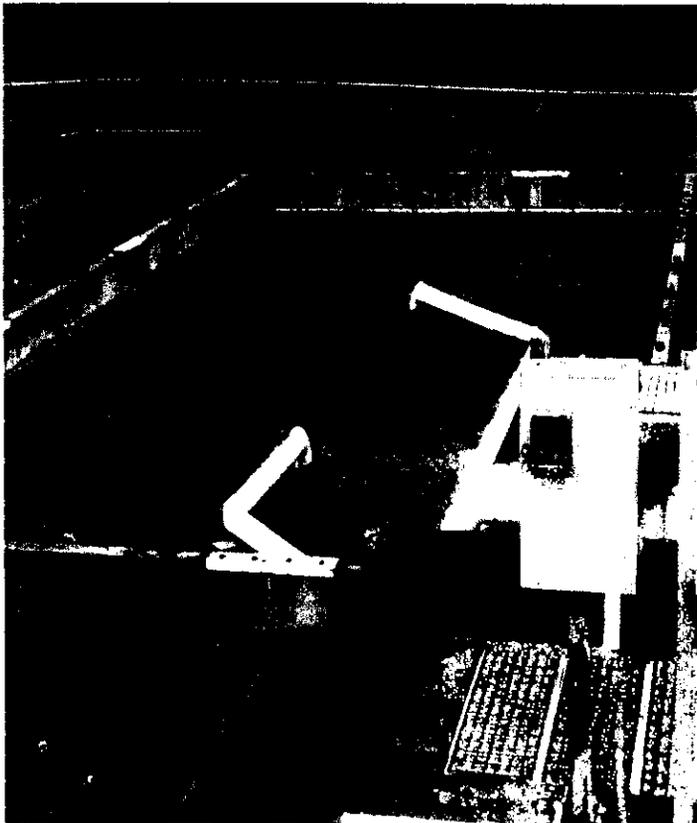
UNITED LOCAL SCHOOL DISTRICT INSPECTION PHOTOS



Floating Sludge in Settling



Tan Greyish Brown mixed liquor



The Surface Sand Filters Need Cleaned

United Local School District Effluent Violations: January 2009 - April 2011

| Permit No | Reporting Period | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|-------------|------------------|-------------------------|------------|-------|----------------|----------------|
| 3PT00066*CD | January 2011 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 4.73 | 1/1/2011 |
| 3PT00066*CD | January 2011 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 6.51 | 1/15/2011 |
| 3PT00066*CD | March 2011 | Total Suspended Solids | 30D Conc | 12 | 14.875 | 3/1/2011 |
| 3PT00066*CD | March 2011 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 21.15 | 3/1/2011 |
| 3PT00066*CD | March 2011 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 24.7 | 3/1/2011 |
| 3PT00066*CD | March 2011 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 17.6 | 3/15/2011 |
| 3PT00066*CD | March 2011 | CBOD 5 day | 30D Conc | 10 | 12.405 | 3/1/2011 |
| 3PT00066*CD | March 2011 | CBOD 5 day | 7D Conc | 15 | 17. | 3/15/2011 |
| 3PT00066*CD | February 2011 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 25.85 | 2/1/2011 |
| 3PT00066*CD | February 2011 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 13.9 | 2/1/2011 |
| 3PT00066*CD | February 2011 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 37.8 | 2/15/2011 |
| 3PT00066*CD | February 2011 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.34 | .41029 | 2/1/2011 |
| 3PT00066*CD | February 2011 | Nitrogen, Ammonia (NH3) | 7D Qty | 0.51 | .71537 | 2/15/2011 |
| 3PT00066*CD | June 2010 | pH | 1D Conc | 6.5 | 6.3 | 6/24/2010 |
| 3PT00066*CD | February 2010 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 3.31 | 2/1/2010 |
| 3PT00066*CD | December 2010 | Dissolved Oxygen | 1D Conc | 6.0 | 5.57 | 12/9/2010 |
| 3PT00066*CD | March 2010 | pH | 1D Conc | 6.5 | 6.48 | 3/18/2010 |
| 3PT00066*CD | November 2010 | pH | 1D Conc | 6.5 | 6.37 | 11/4/2010 |
| 3PT00066*BD | February 2009 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 5.105 | 2/1/2009 |
| 3PT00066*BD | February 2009 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 7.13 | 2/1/2009 |
| 3PT00066*BD | March 2009 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 17.3 | 3/1/2009 |
| 3PT00066*BD | March 2009 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 13.1 | 3/1/2009 |
| 3PT00066*BD | March 2009 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 21.5 | 3/15/2009 |