



Environmental
Protection Agency

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

February 11, 2011

RE: TRUMBULL COUNTY
BRISTOLVILLE TOWNSHIP
BRISTOL LOCAL SCHOOLS
(1845 GREENVILLE ROAD)
WWTP INSPECTION
(NPDES PERMIT 3PT00065)

Mr. Marty Santillo, Superintendent
Bristol Local School District
1845 Greenville Road
PO Box 260
Bristolville, OH 44402

Dear Mr. Santillo:

On January 12, 2011, a Compliance Evaluation Inspection (CEI) was conducted by this writer on the Bristol Local School District wastewater treatment plant (WWTP), 1845 Greenville Road, Bristolville Township.

The purpose of the visit was to evaluate the WWTP operation and maintenance, as well the facility's compliance with NPDES Permit effluent limits and conditions. The most recent CEI conducted at the Bristol Local School District WWTP was April 7, 2009.

At the time of the January 12th inspection the following observations were made:

- 1) The trash trap was in use and contents were typical. The metal lid on the trash trap was severely rusted, and did contain a hole rusted through it.
- 2) The flow equalization chambers and pumps were in use and operating properly.
- 3) Contents of the extended aeration tank were being well aerated, and were dark brown in color. The return activated sludge (RAS) line was operational and returning medium to dark brown sludge.
- 4) The settling tank effluent trough contained a small amount of solids, and the skimmer was operating and was returning a clear liquid. The effluent trough in the settling tank was in need of leveling.
- 5) The Number 1 pump in the surface sand filter dosing station was in the 'OFF' position, and the Number 2 pump was in the 'AUTO' position. The Number 2 pump was operational when manually tested. However, the Number 1 pump did not appear to operate when manually tested. The high level alarm was operational, as well, when manually tested.

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- 6) The surface sand filters consist of 2 cells, of which both were in use. The sand contained some dead vegetative growth on the sand filters, as well as ice and snow.
- 7) The Aerated Sludge Holding tank was approximately 1/3 full, and was being aerated. Sludge in the aerated holding tank was medium brown.
- 8) The tablet chlorination / dechlorination disinfection unit was not being utilized, as disinfection of the effluent is not required for the period of November 1st through April 30th.
- 9) Treated effluent being discharged from the WWTP was clear and visually free of solids.

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the WWTP for the period of April 1, 2009 through January 1, 2011, found the following effluent limit violations for the facility:

**BRISTOL LOCAL SCHOOL DISTRICT
NUMERIC EFFLUENT VIOLATIONS
NPDES PERMIT 3PT00065
(APR. 1, 2009 – JAN. 1, 2011)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	38.1	2/1/2010
February 2010	Nitrogen, Ammonia (NH3-N)	30D Qty	0.26	0.86525	2/1/2010
February 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	38.1	2/3/2010
February 2010	Nitrogen, Ammonia (NH3-N)	1D Qty	0.38	0.86525	2/3/2010
March 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	4.56	3/1/2010
March 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	4.56	3/3/2010

Items found to need attention:

- 1) Please note that (dead) vegetation needs to be removed from the surface sand filters to prevent plugging, ponding, and in the winter, freezing, of the filters.
- 2) The settling tank effluent trough needs to be leveled and kept free of solids.
- 3) The Number 1 pump in the surface sand filter dosing station should be checked for proper operation, and repaired if necessary.

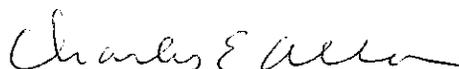
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- 4) The NPDES Permit issued for the WWTP (No. 3PT00065*BD) had an expiration date of December 31, 2010. An application for permit renewal was to have been submitted to this office 6 months prior to the expiration date. A search of the files for Bristol Local School found no such renewal application. Please complete the enclosed application forms and submit them, with appropriate renewal fees, to this office as soon as possible, such that the NPDES permit to discharge may be renewed.

A written response to this correspondence should be submitted to this office, within 10 days of its receipt, indicating the suspected reason(s) for the listed ammonia violations, and any actions taken to correct the situation. The correspondence should also indicate corrective actions which were / will be taken to address the 4 items needing attention.

A copy of this inspection report is being forwarded to the Trumbull County Health Department. If you have any comments or questions about this document, you may contact me at (330) 963-1110.

Respectfully,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/mt

Enclosures

cc: Trumbull County Health Dept.