



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 5, 2008

RE: TRUMBULL COUNTY  
SOUTHINGTON TOWNSHIP  
SOUTHINGTON LOCAL SCHOOLS  
WWTP INSPECTION  
(NPDES PERMIT 3PT00067)

**CERTIFIED MAIL**

Mr. Frank Danso, Superintendent  
Southington Local School District  
4432 SR 305  
Southington, OH 44470

Dear Mr. Danso:

On November 6, 2008, a Compliance Evaluation Inspection (CEI) was conducted by this writer at the Southington Local School wastewater treatment plant (WWTP). 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, prior to reissuance of the NPDES Permit within the next few months.

At the time of the November 6<sup>th</sup> inspection the following observations were made:

- 1) The trash trap was being utilized and contents were typical.
- 2) The flow equalization chamber was being aerated, and the pumps were being utilized and were operating properly.
- 3) The extended aeration tank contents were medium brown in color, with no foam present. The return activated sludge (RAS) line was operational and returning medium brown water. Contents of the tank were well aerated, and solids concentrations appeared to be in the normal operating range.
- 4) The settling tank contents were turbid, and there was a slight pinfloc suspended in the settling tank water. There was floating scum on the water surface, and the skimmer was not operating. The effluent trough was almost completely submerged under water. A solids buildup behind the settling tank influent baffle was also observed.

The skimmer should be turned on and adjusted to slightly below the surface of the water, and the effluent trough weirs should be raised, if possible. The solids buildup behind the inlet baffle should be removed as well.

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- 5) Both pumps in the surface sand filter dosing station were in the 'AUTO' mode, and were operational when tested in the manual mode. The high level alarm was operational.
- 6) The surface sand filters consisted of 2 cells, of which the east cell was in use. Both cells appeared to be in the process of having vegetative growth removed from the sand. The sand should be raked level after removal of any solids or vegetative growth.
- 7) Effluent disinfection is accomplished by tablet chlorination and dechlorination units located in the contact tank. The chlorination / dechlorination units contained remnants of tablets in one tube each. Effluent from the contact tank was being post aerated prior to discharge.

It is noted that disinfection of the effluent is not required for the period of November 1<sup>st</sup> through April 30<sup>th</sup>.

- 8) Treated effluent being discharged from the WWTP was clear and visually free of solids or foam. No visual impact was observed on the receiving stream.

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted to Ohio EPA for the Southington Local School WWTP, for the period of November 1, 2007 through November 1, 2008, found the following reporting frequency violations for the facility:

**SOUTHINGTON LOCAL SCHOOL  
 FREQUENCY VIOLATIONS  
 NPDES PERMIT NO. 3PT00067  
 (Nov. 1, 2007 through Nov. 1, 2008)**

Reporting Period	Station	Parameter	Sample Frequency	Expected	Reported	Violation Date
Dec. 2007	001	Water Temperature	1/Week	1	0	12/15/2007
Dec. 2007	001	Dissolved Oxygen	1/Week	1	0	12/15/2007
July 2008	001	Chlorine, Total Residual	1/2Weeks	1	0	07/01/2008
July 2008	001	Chlorine, Total Residual	1/2Weeks	1	0	07/15/2008

A review of the eDMR's for the same period also indicated that monthly data was not submitted for the months of August, September, and October of 2008, for the Southington Local School WWTP. Please submit a written response as to why the required data was not submitted.

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Proper operation and maintenance practices should continue to be implemented, which will enable the WWTP to continuously meet its NPDES Permit effluent limits.

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

cc: Trumbull County Health Dept.

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FRANK DANSO  
 SOUTHLINGTON LOCAL SCHOOLS  
 4432 SR 305  
 SOUTHLINGTON OH 44470

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