



**Environmental  
Protection Agency**

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

August 20, 2010

RE: LORAIN COUNTY  
SHEFFIELD VILLAGE  
SBS BUS GARAGE  
(3747 COLORADO AVE.)  
(PERMIT NO. 3PR00213)

Mr. Daniel VanWagnen  
VanWagnen Properties, LTD  
2475 Vermillion Rd.  
Vermillion, OH 44089

Dear Mr. VanWagnen:

On August 3, 2010, this writer, and Mr. John Sabo of the Lorain County Health Department, conducted a compliance inspection on the wastewater treatment plant (WWTP) serving the SBS Bus Garage, located at 3747 Colorado Ave., Sheffield Village. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and compliance with your NPDES Permit to discharge. The last inspection of the SBS Garage WWTP was on May 14, 2009.

At the time of the August 3<sup>rd</sup> inspection, the following observations were made:

- 1) The trash trap was in use and solids were observed in the outlet tee of the tank. The trash trap is in need of pumping.
- 2) The extended aeration tank was being well aerated, and its contents were medium brown in color. The return sludge line was operating and returning brown colored sludge. Operation of the aeration tank has improved since the last inspection.
- 3) The settling tank contents exhibited a slight floating scum on the surface. The skimmer was operational, returning clear liquid. However, the skimmer is adjusted too far below the surface of the water, which is causing the scum layer on the water surface. The skimmer should be adjusted to approximately ¼ inch below the water surface.

The settling tank effluent trough was clean and free of solids, but was not level.

The effluent trough needs to be leveled. Also, there was a solids buildup behind the inlet baffle and effluent trough. The solids buildup should be removed and maintained as such.

- 4) The pump station pumps were set to automatic mode, and were operational in the manual mode when tested. The high water level alarm was operational when tested.
- 5) The surface sand filter north cell was in use, and exhibited a small amount of solids deposition. The south cell sand was clean and level, with a slight growth of vegetation in the corners. There was no ponding of water in either cell.
- 6) The tablet chlorination unit was in use, but only one of two tubes contained any tablets. There were no tablets in the dechlorination tubes.

Disinfection is to be performed from May 1<sup>st</sup> through October 31<sup>st</sup> each year. Due to the low concentration of total chlorine residual that is required to be met by your NPDES permit, it is important to maintain adequate supplies of both chlorine and dechlorination tablets in the appropriate units at all times.

- 7) The post aeration pipe prior to discharge was not operating, and when its use was tested, it did not operate. Please check to determine the cause of its malfunction.

A review of the operating data for the wastewater treatment plant (as reported to Ohio EPA in SWIMS) was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data covered the period of May 1, 2009, through August 1, 2010. The SWIMS program reported the following numeric effluent violations of the SBS Bus Garage NPDES permit to discharge:

**SBS BUS GARAGE WWTP  
 NPDES PERMIT NO. 3PR00213  
 Numeric Effluent Violations  
 (5/1/09 through 8/1/10)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2009	Total Suspended Solids	30D Conc	12	21.	6/1/2009
June 2009	Total Suspended Solids	30D Qty	0.068	.11923	6/1/2009
June 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	1.0	3.25	6/1/2009
June 2009	Nitrogen, Ammonia (NH3-N)	30D Qty	0.006	.01845	6/1/2009
June 2009	Total Suspended Solids	1D Conc	18	21.	6/26/2009
June 2009	Total Suspended Solids	1D Qty	0.102	.11923	6/26/2009
June 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	1.5	3.25	6/26/2009
June 2009	Nitrogen, Ammonia (NH3-N)	1D Qty	0.009	.01845	6/26/2009

\*\* No code or frequency reporting violations

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SBS Bus Garage should continue the implementation of operation and maintenance practices which will enable the WWTP to consistently meet its NPDES Permit limits. Please be advised that failure to consistently meet the permitted effluent limits can subject the owner to legal enforcement action for violation of those limits.

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,

**COPY**

Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/mt

pc: John Sabo, Lorain County Health Department

File: SP/Lorain/SheffieldVillage/SBS BusGarage