



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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

June 12, 2009

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

NOTICE OF VIOLATION

CERTIFIED MAIL

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

Dear Mr. VanWagnen:

On May 14, 2009, 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.

At the time of the inspection, the following observations were made:

- 1) Contents of the trash trap were typical.
- 2) The aeration tank was being aerated, and its contents were medium brown in color. The return sludge line was operating, returning a sludge which was brown in color. The blower for the aeration tank was set on a timer. Please note that the timer should be set such that the aeration tank contents are being aerated during the busiest time of the day.
- 3) The settling tank contents were typical, and the skimmer was operational, returning a light brown liquid. The settling tank weir was not level, and is in need of being corrected. The effluent trough was clean and free of algae or solids, and the effluent from the settling tank was clear.
- 4) Both of the dosing station pumps were in the 'AUTO' mode, and were operational when tested in the 'HAND' mode. The high water level alarm was operational when manually tested.
- 5) The surface sand filters were in use. The north cell was in use and was ponded with water. The south cell sand contained drying solids.

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- 6) The chlorination / dechlorination tank tubes were in use and contained tablets.

A SWIMS computer search for operating data for the wastewater treatment plant (submittal as required by NPDES Permit to be reported to the Ohio EPA) has been conducted. The electronic Discharge Monitoring Report (eDMR) data search covered the period April 1, 2008 through May 1, 2009. During this period, the SBS Bus Garage WWTP reported the following NPDES Permit effluent violations in their monthly eDMR submittals:

**SBS BUS GARAGE WWTP
 eDMR Numerical Violations (4/1/08 through 5/1/09)
 NPDES PERMIT NO. 3PR00213*BD**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2008	Total Suspended Solids	30D Conc	12	14.	6/1/2008
June 2008	Total Suspended Solids	30D Qty	0.068	.07949	6/1/2008
August 2008	Nitrogen, Ammonia (NH3-N)	30D Conc	1.0	1.28	8/1/2008
August 2008	Nitrogen, Ammonia (NH3-N)	30D Qty	0.006	.00727	8/1/2008
August 2008	Fecal Coliform	30D Conc	1000	1015.	8/1/2008
December 2008	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	46.75	12/1/2008
December 2008	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	46.75	12/11/2008
December 2008	Dissolved Oxygen	1D Conc	6.0	5.1	12/11/2008
March 2009	Total Suspended Solids	30D Conc	12	18.	3/1/2009
March 2009	Total Suspended Solids	30D Qty	0.068	.1022	3/1/2009
March 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	49.75	3/1/2009
March 2009	Nitrogen, Ammonia (NH3-N)	30D Qty	0.017	.28246	3/1/2009
March 2009	CBOD 5 day	30D Conc	10	11.	3/1/2009
March 2009	CBOD 5 day	30D Qty	0.057	.06245	3/1/2009
March 2009	Total Suspended Solids	1D Qty	0.102	.1022	3/27/2009
March 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	4.5	49.75	3/27/2009
March 2009	Nitrogen, Ammonia (NH3-N)	1D Qty	0.026	.28246	3/27/2009
March 2009	Dissolved Oxygen	1D Conc	6.0	4.1	3/27/2009

Please inform this office in writing, within 14 days of the receipt of this letter, as to the reasons for the effluent violations. Also, please indicate what measures will be taken to prevent further permit excursions.

SBS Bus Garage should continue the implementation of operation and maintenance practices which will enable the WWTP to consistently meet its NPDES Permit limits. Consideration should be given to evaluating the flows coming into the sewage system, since continual plugging of the sand filters by solids could indicate the need for a flow equalization tank preceding the aeration system. The flow equalization tank would

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evenly feed wastewater flows going into the sewage plant over the course of the day, rather than having them hit the system all at once, when bus drivers arrive and depart for their routes.

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,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/mt

cc: John Sabo, Lorain County Health Department

File: SP/Lorain/SheffieldVillage/SBS BusGarage

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