



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

July 24, 2013

RE: LORAIN COUNTY
SHEFFIELD VILLAGE
SBS BUS GARAGE
NPDES NO. 3PR00213

VanWagnen Properties, LTD
PO Box 2769
Jacksonville, FL 32203
Attn: Daniel VanWagnen

Dear Mr. VanWagnen:

A Compliance Evaluation Inspection (CEI) was conducted July 2, 2013, on the wastewater treatment plant (WWTP) serving the SBS Bus Garage and outbuildings. The inspection was conducted by this writer, and Mr. John Sabo of the Lorain County Health Department. The SBS Bus Garage and outbuildings are located at 3747 Colorado Ave., Sheffield Village.

It is noted that, at the time of the inspection, the Bus Garage building is vacant. However, other buildings situated on the property, and tied into the WWTP, remain occupied.

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 November 1, 2011.

At the time of the July 2nd inspection, the following observations were made:

- 1) The trash trap was in use and its contents were not in need of pumping.
- 2) The extended aeration tank contents were well aerated, and were watery brown in color. The return sludge line was operational, returning watery brown liquid from the settling tank to the aeration tank.
- 3) There are 2 blower/motors serving the WWTP, with one being used at a time. Both blower/ motors were manually checked and found to be operational. However, **the high air pressure relief valves are rusted/seized, and not functioning properly.** Operation of the blower/motors was found to be controlled by a timer.
- 3) Contents of the settling tank were typical, and the skimmer was returning clear liquid to the aeration tank. **There was a deposition of solids in the settling tank effluent trough, which should be removed, and the trough kept clean.**
- 4) The settling tank effluent trough was not level, being lower in elevation at the south end of the tank. **Although the trough was clean, there was a buildup of solids on the outside of the trough, which needs to be removed. This condition was also observed in the last two inspections of the WWTP.**

- 4) Both pumps in the sand filter dosing station were found in the 'AUTO' mode, and operated satisfactorily when tested manually. The high water level alarm also operated satisfactorily when manually tested.
- 5) When the pumps were operated manually, the north cell of the surface sand filter was dosed. Both cells of the sand filter were clear of solids and vegetation, with the sand fairly level. **Attention should be paid to keeping the sand in the corners of the filter cells level.**
- 6) Both of the tablet chlorination / dechlorination units are 2 tube units, with all tubes and caps present. **There were no tablets present in the chlorination unit tubes**, and the dechlorination unit contained tablets. **It is noted that effluent disinfection is required at all times during the period of May 1st through October 31st.**
- 7) The effluent was not being post aerated prior to discharge.

A review of the monthly operating data, submitted to Ohio EPA for the wastewater treatment plant, was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data covered the period of November 1, 2011, through May 1, 2013. 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
 (Nov. 1, 2011 through May 1, 2013)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.8	12/1/2011
December 2011	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0171	.02157	12/1/2011
March 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	43.25	3/1/2012
March 2012	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0171	.24555	3/1/2012
March 2012	Nitrogen, Ammonia (NH3-N)	7D Conc	4.5	43.25	3/8/2012
March 2012	Nitrogen, Ammonia (NH3-N)	7D Qty	0.0256	.24555	3/8/2012

** No code or frequency reporting violations indicated.

A review of the Ohio EPA Operator of Record database lists two Operators of Record for the facility: Christina Faith (WW2; notification date: 11/23/11), and Donald Daley (WW4; notification date: 6/6/11).

SBS Bus Garage continues to have chronic noncompliance with its ammonia nitrogen limits. The inability to consistently meet the NPDES permit effluent limits for ammonia nitrogen is of concern, and serious attempts need to be taken at finding a solution to this problem.

Operation and Maintenance (O&M) issues indicated above in **bold type** also need to be addressed as soon as possible, as they may become tributary to NPDES permit violations.

SBS BUS GARAGE
JULY 24, 2013
PAGE 3 OF 3

Please contact this office in writing, within 14 days of the receipt of this letter, and indicate what actions will be taken to bring the facility into continued compliance with its ammonia nitrogen limits. Also indicate when the above outlined O&M issues were/will be corrected. A follow-up inspection by this office, or Mr. Sabo, will be conducted to verify the O&M corrections.

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/cs

cc: Lorain County Health Department
Attn: John Sabo

FILE/SP/Lorain/SheffieldVillage/SBS BusGarage