



Environmental
Protection Agency

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

June 29, 2011

RE: TRUMBULL COUNTY
VIENNA TWP.
AVALON COUNTRY CLUB-SQUAW CREEK
761 YOUNGSTOWN-KINGSVILLE RD.
PERMIT NO. 3PZ00076

Mr. Ron Klinge, CEO
Avalon Country Club – Squaw Creek
761 Youngstown-Kingsville Road
Vienna, OH 44473

Dear Mr. Klinge:

On June 2, 2011, a compliance inspection was conducted by this writer on the wastewater treatment plant (WWTP) serving the Avalon Country Club-Squaw Creek. The Avalon Country Club is located at 761 Youngstown-Kingsville Road, Vienna Township, Trumbull County.

The purpose of the WWTP inspection was to evaluate the operation and maintenance of the facility, as well the facility's compliance with NPDES Permit effluent limits and conditions. The last compliance inspection was conducted on April 14, 2010.

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

- 1) Contents of the trash trap were typical.
- 2) The 30,000 gpd aeration plant contents were light tan in color, with some floating floc, and the return sludge line was not operating. The contents were not being aerated, and there was a slight odor in the vicinity of the tank. It is not known if the WWTP is on a timer (one was not observed), or if the power to the plant had very recently gone out. Previous inspections have always found the plant to be aerated.
- 3) Contents of the settling tank were clear, and the skimmer line was not operating. The inlet baffle had a large buildup of solids behind it, and the settling tank effluent trough did contain a slight moss and algal growth.
- 4) The high level alarm light for the sand filter dosing station was on, and the pumps were set in the 'AUTO' mode. When manually tested, the pumps did operate satisfactorily. The recording flow meter in the pump station control panel contained no recording paper.
- 5) The flow meter tank was full of solids up to the V-notch weir.

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- 6) The east cell of the surface sand filter was in use, and contained a mat of solids and some vegetative growth. The west filter cell was not in use, and was in the process of being cleaned.
- 7) The chlorination / dechlorination units were in use. It is noted that one cap on 2 tubes of the tablet chlorinator and dechlorinator units were missing. The tubes did contain tablets.
- 8) The aerated sludge holding tank was not in use, and was approximately ½ full of what appeared to be rainwater.
- 9) The sludge drying beds had been used, with the east cell containing some dried solids. The sand was level in both cells.
- 10) Effluent from the WWTP was clear and visually free of solids.

A review of the WWTP operating data for the period of April 1, 2010 through June 1, 2011, was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data for that period found no NPDES Permit numeric effluent violations.

However, the data review for the same period did find the following reporting frequency reporting violation:

**Avalon Country Club-Squaw Creek
NPDES Permit No. 3PZ00076
Frequency Violations
(April 1, 2010 – June 1, 2011)**

Reporting Period	Parameter	Sample Frequency	Expected	Reported	Violation Date
May 2010	Chlorine, Total Residual	1/Day	1	0	05/03/2010

Items which need operation / maintenance attention are:

- 1) The blower motors for the aeration tank should be checked for proper operation, if not on a timer. Lack of motor/blower operation also causes the return sludge line and settling tank skimmer to not operate as well.
- 2) Solids buildup behind the settling tank inlet baffle should be removed, and the sides of the settling tank should be scraped down.
- 3) Moss and algae growth should be removed from the settling tank effluent trough.

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- 4) Any vegetative growth or solids in the surface sand filters should be removed and disposed of properly.
- 5) Missing tube caps for the tablet chlorinator / dechlorinator unit tubes should be replaced.
- 6) The flow meter for the WWTP should be checked for proper operation. Solids in the flow meter / V-notch weir tank need to be removed to ensure proper flow measurement.

Proper operation and maintenance practices should continue to be implemented, which will enable the WWTP to continuously meet its NPDES Permit effluent limits. Please inform this office, in writing within 7 days, as to the status of the above required maintenance items.

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

File: SP/Trumbull/ViennaTwp/Avalon Country Club-Squaw Creek