



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

May 28, 2013

RE: TRUMBULL COUNTY
VIENNA TWP.
AVALON COUNTRY CLUB-SQUAW CREEK
COMPLIANCE INSPECTION
PERMIT NO. 3PZ00076

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

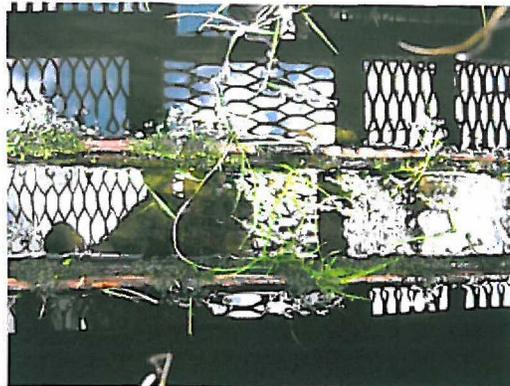
Dear Mr. Klinge:

On April 30, 2013, this writer conducted a compliance evaluation inspection (CEI) 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 inspection was to evaluate the operation and maintenance of the WWTP, and its compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) Permit issued to the facility. The most recent compliance inspection conducted at the WWTP was on June 21, 2012.

At the time of the April 30th inspection, the following observations were made:

- 1) Contents of the trash trap were typical, and not in need of pumping.
- 2) The extended aeration plant contents were medium brown in color, with minimal light brown foam along the tank edges. The return sludge line was operating, returning brown sludge from the settling tank to the aeration tank.
- 3) The settling tank inlet baffle had a several inch thick mat of solids built up in front of it. The skimmer line was operating, returning clear water back to the aeration tank. The settling tank effluent trough contained a growth of moss, algae, and grass, and the effluent in the settling tank trough was clear. **The solids behind the influent baffle need to be pumped out, and the effluent trough needs to be cleaned and kept free of vegetation and solids.**



- 4) The No. 1 Pump in the sand filter dosing station was set in the 'OFF' position, while the No. 2 Pump was in the 'AUTO' mode. When manually tested, only the No. 2 Pump operated. Wastewater flow is apparently estimated by using totalizers in the pump station electrical control box. **Pump No. 1 needs to be checked for proper operation, and repaired/replaced if necessary.**

- 5) The east cell of the surface sand filter was dosed when pumps were manually tested. The east cell contained standing water, solids, and some vegetation. The west cell was not in use, and contained drying solids.

The dosing pipe for the east cell was leaking by a valve joint at the north end of the filter, and needs to be repaired.



- 6) Both the tablet chlorination, and tablet dechlorination units are four tube units. Two of the four tubes in the chlorination unit were missing caps, and none of the units contained chlorine tablets. One of the dechlorination unit tubes was missing, and only one of the remaining 3 tubes had a cap on it. None of the dechlorination tubes contained tablets. **All missing tablet tubes and tube caps should be replaced, and effluent disinfection is required May 1st through October 31st.**
- 7) The aerated sludge holding tank was full of light brown water/sludge.
- 8) The sludge drying beds were not in use, and contained no solids.
- 9) The WWTP effluent was clear and visually free of solids.

A review of the WWTP operating data for the period of June 1, 2012 through May 1, 2013, was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data for that period found the following NPDES Permit numeric effluent violations:

***Avalon Country Club-Squaw Creek
NPDES Permit No. 3PZ00076
Numeric Effluent Violations
(June 1, 2012 – May 1, 2013)***

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2012	E. coli	30D Conc	161	4500.	8/1/2012
August 2012	E. coli	7D Conc	362	4500.	8/8/2012
September 2012	E. coli	30D Conc	161	280.	9/1/2012

A review of the MOR data, for reporting frequency and code violations during the same time period, also found the following violations:

Avalon Country Club-Squaw Creek
NPDES Permit No. 3PZ00076
Reporting Frequency Violations
(June 1, 2012 – May 1, 2013)

Reporting Period	Parameter	Sample Frequency	Expected	Reported	Violation Date
June 2012	Total Suspended Solids	1/Week	1	0	6/8/2012
June 2012	Total Suspended Solids	1/Week	1	0	6/15/2012
June 2012	Total Suspended Solids	1/Week	1	0	6/22/2012
June 2012	CBOD 5 day	1/Week	1	0	6/8/2012
July 2012	Total Suspended Solids	1/Week	1	0	7/15/2012
July 2012	Total Suspended Solids	1/Week	1	0	7/22/2012
August 2012	Total Suspended Solids	1/Week	1	0	8/15/2012
August 2012	CBOD 5 day	1/Week	1	0	8/15/2012
September 2012	Total Suspended Solids	1/Week	1	0	9/1/2012
September 2012	Total Suspended Solids	1/Week	1	0	9/15/2012
September 2012	Total Suspended Solids	1/Week	1	0	9/22/2012
September 2012	Nitrogen, Ammonia (NH3-N)	1/2Weeks	1	0	9/15/2012
September 2012	CBOD 5 day	1/Week	1	0	9/1/2012
September 2012	CBOD 5 day	1/Week	1	0	9/22/2012
October 2012	Total Suspended Solids	1/Week	1	0	10/1/2012
October 2012	Total Suspended Solids	1/Week	1	0	10/22/2012
October 2012	CBOD 5 day	1/Week	1	0	10/1/2012
October 2012	CBOD 5 day	1/Week	1	0	10/22/2012
November 2012	Total Suspended Solids	1/Week	1	0	11/8/2012
November 2012	Total Suspended Solids	1/Week	1	0	11/15/2012
November 2012	CBOD 5 day	1/Week	1	0	11/8/2012
November 2012	CBOD 5 day	1/Week	1	0	11/15/2012
December 2012	Total Suspended Solids	1/Week	1	0	12/1/2012
December 2012	Total Suspended Solids	1/Week	1	0	12/15/2012
December 2012	Total Suspended Solids	1/Week	1	0	12/22/2012
December 2012	Nitrogen, Ammonia (NH3-N)	1/2Weeks	1	0	12/15/2012
December 2012	CBOD 5 day	1/Week	1	0	12/1/2012
December 2012	CBOD 5 day	1/Week	1	0	12/15/2012
December 2012	CBOD 5 day	1/Week	1	0	12/22/2012
January 2013	Total Suspended Solids	1/Week	1	0	1/8/2013
January 2013	Total Suspended Solids	1/Week	1	0	1/15/2013
January 2013	CBOD 5 day	1/Week	1	0	1/8/2013
January 2013	CBOD 5 day	1/Week	1	0	1/15/2013
February 2013	Total Suspended Solids	1/Week	1	0	2/8/2013
February 2013	Total Suspended Solids	1/Week	1	0	2/15/2013
February 2013	CBOD 5 day	1/Week	1	0	2/8/2013
February 2013	CBOD 5 day	1/Week	1	0	2/15/2013
March 2013	Total Suspended Solids	1/Week	1	0	3/1/2013
March 2013	Total Suspended Solids	1/Week	1	0	3/15/2013
March 2013	CBOD 5 day	1/Week	1	0	3/1/2013
March 2013	CBOD 5 day	1/Week	1	0	3/15/2013

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Please inform this office, in writing within seven days, as to the status of the above required maintenance items, as well as the reason for the missing sample analyses as listed in the above Reporting Frequency Violation table above.

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

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