



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

October 14, 2010

RE: WAYNE COUNTY
VILLAGE OF APPLE CREEK
NPDES# 3PB00004

Mayor Betty Keener
Village of Apple Creek
PO Box 208
Apple Creek, OH 44606

Dear Mayor Keener:

On October 12, 2010, this writer conducted a compliance evaluation inspection (CEI) of the Apple Creek Wastewater Treatment Plant (WWTP). Present during the inspection was Andy Catanzarite, WWTP Superintendent. The intent of the inspection was to evaluate the compliance, operations and maintenance of the treatment system.

The Village utilizes the 300,000 gpd north plant for primary wastewater treatment. The south plant is currently in disrepair and not functional. The wastewater is pumped from the south plant to the north plant via a force main. The wastewater treatment system consists of raw pumping, comminutor/wet well, pre aeration tanks, primary clarifiers, trickling filters, secondary clarifiers, tertiary rapid sand filters and ultra violet disinfection.

At the time of the inspection, the treatment plant was in good operation and maintenance condition. It was producing a satisfactory quality effluent.

A review of plant performance data from the discharge monitoring reports (DMR) showed significant non compliance between March 1, 2010 and September 1, 2010. Below are the effluent violations.

Limit Violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	5.24	3/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	9.165	3/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	2.4	5.90904	3/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	7D Qty	3.4	7.4981	3/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	7.69	3/8/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	7D Qty	3.4	11.3251	3/8/2010
March 2010	001	00552	Oil and Grease, Hexane	1D Conc	10	33.4	3/9/2010
April 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	2.06638	4/1/2010
April 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	5.66	4/8/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.8389	6/1/2010

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Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	1.2	2.82094	6/1/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	4.385	6/8/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	7D Qty	1.7	5.52394	6/8/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.85	6/15/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	7D Qty	1.7	2.64924	6/15/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.805	6/22/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	7D Qty	1.7	5.05576	6/22/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.48488	7/1/2010
July 2010	001	80082	CBOD 5 day	30D Conc	10	16.75	7/1/2010
July 2010	001	80082	CBOD 5 day	7D Conc	15	17.5	7/1/2010
July 2010	001	80082	CBOD 5 day	30D Qty	11.4	11.5082	7/1/2010
July 2010	001	80082	CBOD 5 day	7D Conc	15	22.5	7/8/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.59	7/15/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.975	7/22/2010

It is understood the Village is working with a consulting engineer to design an upgrade to the wastewater treatment plant. During the inspection, it was indicated the Village may be interested in expanding the wastewater treatment plant capacity at the north plant. Under Section B.2.b of the Antidegradation Rule (Ohio Administrative Code 3745-1-05), an expansion within the previously authorized limit of the permit would not be subject to the rule. At the time of expansion, we would require verification that the stream could adequately assimilate the proposed discharge without causing a water quality violation.

If you have any questions or comments regarding this letter, please contact this office at (330) 963-1255.

Respectfully,



Todd Surrena
Engineering Geologist
Division of Surface Water

TMS/mt

cc: Wayne County Health Dept.
Mr. Andy Catanzarite, Apple Creek

File: Public/Apple Creek/PC