

**Environmental  
Protection Agency**

Timothy J. Walsh, Governor  
Lee Fisher, Lt. Governor  
Catherine S. Neski, Director

August 5, 2010

RE: LAKE COUNTY  
KIRTLAND  
ANGELO'S PIZZERIA & ICE CREAM  
NPDES PERMIT NO. 3PR00422  
APPLICATION NO. OH0137227

Mr. Dennis Di Santo  
Angelo's Pizzeria & Ice Cream  
8162 Euclid-Chardon Road  
Kirtland, OH 44094

Dear Mr. Di Santo:

On July 22, 2010, this writer conducted an inspection of the wastewater treatment system serving the pizzeria and ice cream store. The purpose of the inspection was to evaluate the wastewater treatment plant's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits.

At the time of inspection the plant was producing an effluent with a marginal visual quality. The following observations were noted:

**Wastewater Treatment Plant Observations**

- The aeration tank wastewater was light brown in color, as was the return sludge line. The skimmer was not operating and should be checked for blockage. The return sludge rate should be adjusted.
- The settling tank wastewater was turbid. Excessive sludge was on the surface of the tank, behind the baffles and blocking the effluent trough. The skimmer was submerged and should be placed at the level of the water.
- The dosing chamber was not operating according to design. A submersible pump has been lowered in the dosing chamber with the discharge flowing through a flexible hose to the surface sand filter. This is not acceptable. The dosing chamber pumps must be restored to operation as approved by this Agency.
- The filter beds were filled with vegetation and leaves. Any vegetation, leaves, sludge and sludge laden sand must be removed and replaced with clean, Ohio EPA approved sand. Assurances must be made that 18 inches of Ohio EPA approved sand exists on the surface of the bed. Ohio EPA approved sand has an effective size of 0.4-1.0 mm and a uniformity coefficient that is no greater than 3.
- The effluent was gray in color, instead of clear.
- The chlorinator contained chlorine tablets, as required.
- This facility has no dechlorination unit. Dechlorination is needed to reduce the chlorine residual after disinfection has occurred. A dechlorinator must be installed. Another possible alternative is the elimination of a chlorination unit and the installation of an ultraviolet light disinfection unit. Please consult with your operator-of-record.

Mr. Dennis Di Santo  
Angelo's Pizzeria & Ice Cream  
August 5, 2010  
Page 2

### **NPDES Permit Requirements**

A review of the plant's Discharge Monitoring Reports (DMRs) for the period of March 2009 through June 2010 revealed the following:

- From March 2009 through September 2009, the required monitoring was not performed and reported. A-substitution codes were used in place of the required monitoring and reporting. No information was provided in the comment section stating the reason for using the A-substitution code.
- The DMRs from October 2009 through June 2010 revealed no effluent limitation violations.

Also, the flow value that is reported on the discharge monitoring reports for the estimated daily flow is the design flow of the wastewater treatment plant (i.e., 1,000 gallons per day). This is an incorrect value to use and must cease. Acceptable methods for estimating daily flow at plants are, in order of preference, 1) elapsed time meters on sand filter dosing pumps; 2) elapsed time meters on influent pumps; or 3) water use records.

*Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring, reporting, or compliance scheduling requirements of your NPDES permit may be cause for enforcement pursuant to the Ohio Revised Code Chapter 6111.*

The NPDES permit expires February 28, 2011. Pursuant to Ohio Administrative Code (OAC) 3745-33-03, a renewal application must be submitted 180 days prior to the expiration date of the permit. The renewal application is due no later than August 28, 2010.

### **Actions to be Taken**

Please submit to this office, an NPDES permit application, Antidegradation Addendum and the required \$200 application fee. Once this office receives the renewal application, the NPDES permit will be drafted. It is anticipated that a schedule of compliance for meeting the e-coli limit and a schedule for installing either a dechlorination unit or UV disinfection unit will be included. Once the permit is drafted please review it carefully. A 30-day comment period will be provided. All comments must be in writing and submitted to this district office.

Within 10 days of the date of this letter, you are required to notify this office, in writing, outlining the corrective action, either actual or proposed, that will be taken to eliminate the above highlighted deficiencies.

Should you have any questions, please contact the undersigned at (330) 963-1183.

Sincerely,



Marie Underwood, P.E.  
Environmental Engineer  
Division of Surface Water

MU/mt