



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

May 16, 2012

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

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

Dear Mr. Di Santo:

On May 15, 2012, 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 poor 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, indicating an organically underloaded plant. The skimmer discharge line was in operation. The aeration rate may need to be adjusted. *Please consult with your operator of record.*
- The settling tank wastewater was turbid. Sludge was on the surface of the tank, behind the baffles and in the effluent trough. The sludge return rate may need to be adjusted. *Please consult with your operator of record.*
- The east filter bed had sludge and vegetation on its surface. The west filter bed had sludge on its surface with some areas of ponding. 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 three. The sand on both beds must be raked and distributed evenly across the surface area of the filter beds.
- Sludge was visible in the final pass of the chlorine contact chamber. The sludge must be immediately removed.
- The chlorinator contained no chlorine tablets, as required. Chlorine tablets must be placed in the chlorinator to disinfect the effluent. Disinfection season is from May 1st to October 31st of each year.
- This facility has no dechlorination unit. Dechlorination is needed to reduce the chlorine residual after disinfection has occurred. A dechlorinator must be installed.

- The plant grounds are in need of improvement. The concrete blocks surrounding the extended aeration plant are caving inward and in need of repair. The grass surrounding the chlorine contact chamber and surface sand filter beds needs to be cut down. Since the plant is not fenced in with a locked gate, the tank grating should be locked.
- The operation and maintenance log book is located adjacent to the dosing chamber.

NPDES Permit Requirements

Part I, C of your NPDES permit required the submittal of a permit-to-install (PTI) application and detailed design plans by July 1, 2011 and the installation of dechlorination facilities by October 1, 2011. This office has yet to receive the application and design plans. Dechlorination facilities have not been installed.

A review of the plant's Discharge Monitoring Reports (DMRs) for the period of July 2010 to March 2012 revealed the following:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00300	Dissolved Oxygen	1D Conc	6.0	4.5	8/17/2010

In addition, 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; and 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.

Actions to be Taken

You are required to immediately submit to this office, a PTI application, PTI application fee and four sets of detailed design plans for the installation of dechlorination facilities. The design plans must be stamped by a State of Ohio licensed professional engineer.

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/cs