



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

November 30, 2007

RE: WAYNE COUNTY
KOENIGS KORNER
PERMIT 3P3PR00423

Mark and Nancy Koenig
Koenigs Korner
6636 North Elyria Road
West Salem, OH 44287

Dear Mr. & Mrs. Koenig:

On November 27, 2007, this writer met with you to conduct an inspection of the wastewater treatment plant serving the Koenigs Korner facility. The inspection was a follow up to a noncompliance notification you submitted to our office on October 4, 2007. Below are the findings and recommendations from this inspection:

At the time of the inspection, the treatment plant was producing what appeared to be a satisfactory quality effluent. The 1,500-gpd wastewater treatment plant consists of a trash trap, a flow equalization tank, extended aeration treatment plant, a dosing chamber, surface sand filter, chlorination and dechlorination. Overall, the plant appeared to be in good operation and maintenance condition.

The trash trap was not visually inspected at the time of the inspection. Because your facility is a food service operation, it is our recommendation that you periodically check the trash trap and make sure it is cleaned out before it gets too full.

The mixed liquor in the aeration tank was a light brown color and the tank appeared to have sufficient air circulation with good rollover. The sludge return line was running clear which indicates there may be an imbalance of solids in the system. Sludge return lines should return concentrated solids that are a dark brown color. There was a significant amount of foam in the aeration tank which indicates a phosphorus based cleaner is being used at the facility. Our recommendation to you is that you prohibit the use of any cleaners containing phosphorus, minimize the amount of detergent used in your wash and limit the use of harsh chemicals. Natural cleaners are just as effective and more environmentally sound. If left for too long, the foam can significantly affect the operation of your system.

The clarifier skimmer was at an acceptable height in the clarifier portion of the tank and the weirs were in good condition. The plant had a slight grease odor but there were no visible grease balls visible in the clarifier.

The flow equalization tank was in good condition and appeared to have sufficient air circulation with good rollover. The sand filters were in good condition with some leaves but no active vegetation present. The chlorination/dechlorination tank was in good condition. As a reminder, per your NPDES permit, you are only required to chlorinate during summer months which includes May through October.

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The sludge holding tank was in good condition and was slightly full at the time of the inspection. The solids within the tank were a light brown color and the air circulation within the tank appeared to be satisfactory. The sludge holding tank should contain a concentrated solids mixture with a dark brown color which would indicate a good balance of solids in the system. It is our recommendation that you contact a solids hauler to have a load of concentrated solids delivered to your system. The source of the solids should be from another NPDES permitted facility and preferably a municipality. It is your responsibility to make sure the solids you add to your system are of good quality.

A review of your monthly operating reports covering the period August 1, 2006, through November 1, 2007, revealed the following effluent violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2007	001	00610	Nitrogen, Ammonia (NH3	30DConc	1.0	3.05	8/1/2007
August 2007	001	00610	Nitrogen, Ammonia (NH3	7DConc	1.5	3.05	8/22/2007
August 2007	001	80082	CBOD 5 day	30DConc	10	13.3	8/1/2007
August 2007	001	50060	Chlorine, Total Residu	1D Conc	.019	1.1	8/22/2007
August 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.	8/22/2007

It appears these noted violations were the result of the system being recently placed online in August 2007. Please submit to this office a written follow up which addresses all the deficiencies noted and provide a schedule to complete the work required. You will have fifteen days from the date of this letter to get this write up submitted to this office. As a reminder, your wastewater treatment plant is required to be under the operation of a Class I State certified operator.

If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/mt

cc: Wayne County Health Department

ec: Rich Blasick, Ohio EPA, DSW, NEDO

File: Semi-Public/Wayne/Chester Twp./Koenigs Korner