



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 3, 2008

RE: WAYNE COUNTY
WAYNE/RICELAND WWTP
NPDES# 3PG00156*AD

Mr. Terry West, Superintendent
Wayne County Sewer
428 West Liberty Street
Wooster, OH 44691

Dear Mr. West:

On November 20, 2008, this writer met with you and Mr. Steve Wolf to conduct an inspection of the sewage treatment plant and the land application system. The intent of the inspection was to evaluate the operations and maintenance of the treatment system.

The wastewater treatment system consists of a 25,000 gpd package plant consisting of an influent pump station, flow splitter, flow equalization tank, extended aeration treatment plant (with clarifier), fixed media filters, chlorination, sludge holding tank, 2,500,000 gallon storage lagoon on site at WWTP and a 2,500,000 gallon storage lagoon at the golf course. Effluent from the treatment plant is pumped from the on-site storage lagoon to the golf course lagoon and land applied to 26 acres of the 140 acre golf course. The inspection of the wastewater treatment plant and land application system revealed the following:

- 1) The NPDES permit for this facility went into effect July 1, 2005 and will expire June 30, 2010. Upon permit renewal, your facility will be required to comply with Ohio Administrative Code (OAC) 3745-42-13 which regulates land application systems. Please refer to section 3745-42-13(E) (2) regarding systems installed prior to the effective date of the rule. Because your facility is currently under an NPDES permit, we believe you meet the criteria in this section of the rule. We highly encourage you to read through all of the land application rule requirements to ensure you are meeting all the requirements located in the new rules.
- 2) The influent pump station contained a good amount of grease which could be coming from the restaurant and school which discharge to the plant. It is understood the grease traps at these facilities need improvements in both maintenance schedule and the size of the units. Further inspection of the wastewater plant found grease balls to be a problem in the clarifier/settling tank and in the disinfection tank and final effluent. The grease problem is a concern to this office and must be addressed immediately.

The NPDES permit for the wastewater treatment plant does not have an effluent parameter for Oil and Grease. Given the grease noticed at the wastewater plant, it is a recommendation that Oil and Grease be added to the permit during the next permitting cycle. As of now, our office is recommending you collect one Oil and Grease sample for the next six months to check the levels of Oil and Grease in the plant effluent. In addition to the Oil and Grease sample you will be collecting each month, we encourage you to visit each of the schools and restaurants which discharge to the wastewater treatment plant to inspect their grease traps.

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- 3) The remainder of the wastewater treatment plant appeared to be in acceptable operation and maintenance condition and was producing a satisfactory effluent. The mixed liquor in the aeration tank was a chocolate brown color and was provided with adequate air circulation and the tank itself was providing good rollover of the mixed liquor. The settling tank had grease and solids floating on the surface of the tank. In addition, the influent baffle was full of solids. The tank needs to have the sidewalls scraped down, the baffles and weirs cleaned out and the grease removed. The fixed media filters appeared to be in good condition. The chlorination tank and final effluent tank was full of floating grease balls which were carried over from the headworks (see comment #2). The grease problem at the effluent point is a concern to this office and will have to be addressed in the NPDES permit. The sludge holding tank (10,000 gallons) was in good condition.
- 4) The storage lagoon located at the wastewater treatment plant site had some algae growth but was in overall good condition. During the inspection, the pumps from the storage pond at the wastewater pond were turned on to begin pumping to the storage pond at the golf course pond. The discharge from the storage pond appeared to be a yellowish color and had a slight odor which may have been from the stagnant water sitting in the pipes for nearly a month. The inspection of the golf course storage pond found it to be in good condition. The inspection of the application fields found them to be in good condition. At the time of the inspection, no land application was being conducted since we are past the land application season.
- 5) A summary of the wastewater treatment plant discharge violations for the period of January 1, 2006 through November 1, 2008 has been attached to this letter. Any reporting errors or eDMR errors must be reported to this office so the error can be resolved. You may contact Mr. James Roberts of this Agency's Central Office at (614) 644-2054 to discuss this issue directly.

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

enclosures

File: Public/Riceland/PC