



State of Ohio Environmental Protection Agency

Northeast District Office

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

April 4, 2008

RE: WAYNE COUNTY
CHIPPEWA TWP.
CHIPPEWA GOLF COURSE
NPDES #3PR00400

Mr. Kevin Larizza
Chippewa Golf Club
12147 Shank Road
Doylestown, OH 44230

Dear Mr. Larizza:

On April 2, 2008, this writer met with Mr. Denny White to conduct an inspection of the wastewater treatment plant in operation at Chippewa Golf Course. The intent of the inspection was to evaluate operations and maintenance of the system and review plant compliance with the final effluent limitations in the NPDES permit. Below are the findings from the inspection:

The wastewater treatment plant serving the golf course consists of a trash trap and a 2,000 gpd extended aeration plant. The effluent from the plant discharges through approximately 1500 feet of clay pipe which discharges to a series of three lagoons located on the southeast side of the golf course. The final discharge from the third lagoon is to an unnamed tributary of the Tuscarawas River.

When this office inspected the facility on October 5, 2006, the treatment plant was not in satisfactory condition. Denny White explained that since that inspection, the blower motor was replaced, all the piping was rehabilitated and the trash trap was located and the lid was cleared. The aeration basin had mixed liquor that was a dark brown color. The tank was provided with satisfactory air circulation and no foam was present. The clarifier was in good condition with no visible solids and the skimmer was set at an acceptable depth. It is understood solids are removed from the system once a year. No work has been done on the clay piping which conveys the effluent to the lagoons since the last inspection. This clay piping has suffered numerous cracks, collapses and some sections were replaced with perforated pipe. As previously stated by this office, it is our belief that the effluent from the wastewater plant is leaching into the ground before reaching the lagoons.

While inspecting the trash trap lid, it became apparent that runoff from the parking lot is directed to the manhole and may cause flooding. To prevent flooding, it is recommended that the lid to the trash trap be raised above grade and that it be replaced with a watertight manhole lid. This will prevent runoff from ponding around the lid and also prevent storm water from getting into the system.

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It is our understanding that backwash water from the water treatment plant is discharged to the wastewater system. This office has no objection to continuing this practice as long as there is no measurable degrading of the effluent due to this waste. As such, this office is requesting you sample the effluent Total Dissolved Solids so we may get an idea of the impact the backwash discharge is having on the characteristics of the wastewater effluent.

It is our understanding the facility could manage water use more effectively. We would like to remind you being more conscious of water use could significantly improve the quality of your wastewater treatment facility by lessening the amount of clean water surging the system. Leaving urinals and spigots running all day or faucets dripping can become very problematic over a period of time. Monitoring water usage would also be beneficial to lowering your operating costs at the water treatment plant.

A summary of the wastewater treatment plant discharge violations for the period of January 2007 through March 2008 revealed the following violation:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2008	001	00530	Total Suspended Solids	30D Conc	12	17.	2/1/2008

Your NPDES permit contains a compliance schedule that gave you one year from the effective date of the permit to construct plant improvements. According to your NPDES permit, the plant construction should have been completed January 1, 2008. To date, this office has not received any data regarding plant upgrades to be completed at the golf course. As of now, you are in noncompliance with your NPDES permit for failing to comply with your compliance schedule. It is our recommendation that you begin working on submitting a permit-to-install (PTI) to our office for wastewater plant upgrades. As previously suggested by this office, an appropriately sized trash trap, aeration tank, clarifier, surface sand filter, dosing station, chlorination and dechlorination should be included in the upgraded wastewater plant.

You must hire a Professional Engineer to complete a performance evaluation of the existing wastewater treatment system and design the wastewater plant upgrade. The findings of the performance evaluation must be submitted to Ohio EPA. It will be the engineer's responsibility to determine what is required to bring the plant into compliance with Ohio EPA's 1993 edition of the "Greenbook", otherwise known as "Sewage: Collection, Treatment and Disposal Where Public Sewers are not Available."

Four sets of detail plans of the wastewater treatment system must be prepared and stamped by a Professional Engineer and submitted to this office for review. The detail plans will be forwarded to the Director's Office with our recommendations. The Professional Engineer preparing the plans shall also be responsible for overseeing the installation of the system. Your contract with the engineer must include the inspection

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during construction. In accordance with the Ohio Revised Code (ORC) 6111.44, you must receive formal approval from the Director's Office prior to construction. The Plan Approval Procedures can be found on our Web site at:

www.epa.state.oh.us/dsw/pti/HowToObtainPTI.html

Please respond within 30 days from the date of this letter with a work plan which addresses the wastewater treatment plant upgrades. The work plan must include a timeframe to raise the trash trap and obtain a new manhole lid, get the PTI submitted and get total suspended solids sampling completed. Please notify this office if you will need an extension from the 30 day timeline to develop this work plan. 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 Dept.
Denny White, Village of Doylestown

ec: Rich Blasick, Ohio EPA, DSW, NEDO

File: Semi-Public/Wayne/Chippewa Twp./Chippewa Golf Course