



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.  
Twinsburg, Ohio 44087

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www.epa.state.oh.us

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

March 25, 2010

RE: LAKE COUNTY  
KIRTLAND  
OLDE TOWNE TAVERN  
NPDES PERMIT NO. 3PR00170  
APPLICATION NO. OH0117803

Mr. Sean Heineman  
Olde Towne Tavern  
7592 Chardon Road  
Kirtland, OH 44094

Dear Mr. Heineman:

On March 18, 2010, this writer conducted compliance evaluation inspection of the wastewater treatment plant that serves the Olde Towne Tavern. 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 free of suspended solids, debris, and oil and grease. The following observations were noted:

1. The aeration section was in satisfactory operation. The mixed liquor with a chocolate brown in color.
2. The distribution box located adjacent to the surface sand filters was filled with turbid water, containing sludge.
3. The north filter bed was covered with an excessive amount of sludge. The south bed was ponded with sludge. Once the filters dry out the sludge, leaves and solids laden sand must be removed and replaced with clean sand. The dried sludge should be disposed of at public disposal site. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists on both beds. Ohio EPA approved filter sand has a uniformity coefficient that does not exceed 3.0 and an effective size of 0.4 mm - 1.0 mm. The sand must be raked and evenly distributed across the surface of the filter bed.
4. Disinfection season will commence soon. Disinfection of the effluent is required from May 1<sup>st</sup> to October 31<sup>st</sup>. Assurance must be made that the chlorinator contains chlorine tablets and the dechlorinator contains sulfite tablets.

The referenced deficiencies should be corrected immediately.

A review of the Discharge Monitoring Reports (DMRs) for the period of December 2008 to January 2010 revealed the following effluent limitation violations:

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	3/28/2009
001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	5/18/2009
001	50060	Chlorine, Total Residual	1D Conc	0.019	2.	5/28/2009
001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	6/10/2009
001	50060	Chlorine, Total Residual	1D Conc	0.019	.1	6/28/2009
001	00300	Dissolved Oxygen	1D Conc	6.0	5.	6/28/2009

A review of the DMRs for the same period revealed the following sampling frequency violations:

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00300	Dissolved Oxygen	1/Week	1	0	01/01/2009
001	00300	Dissolved Oxygen	1/Week	1	0	01/08/2009
001	00300	Dissolved Oxygen	1/Week	1	0	01/22/2009
001	00300	Dissolved Oxygen	1/Week	1	0	02/01/2009
001	00300	Dissolved Oxygen	1/Week	1	0	02/08/2009
001	00300	Dissolved Oxygen	1/Week	1	0	02/15/2009
001	00300	Dissolved Oxygen	1/Week	1	0	03/01/2009
001	00300	Dissolved Oxygen	1/Week	1	0	03/08/2009
001	00300	Dissolved Oxygen	1/Week	1	0	03/15/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	05/01/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	06/01/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	07/01/2009
001	00530	Total Suspended Solids	1/Month	1	0	08/01/2009
001	80082	CBOD 5 day	1/Month	1	0	08/01/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	08/15/2009
001	00530	Total Suspended Solids	1/Month	1	0	09/01/2009
001	00610	Nitrogen, Ammonia -NH3	1/Month	1	0	09/01/2009
001	31616	Fecal Coliform	1/Month	1	0	09/01/2009
001	80082	CBOD 5 day	1/Month	1	0	09/01/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	09/01/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	09/15/2009
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	10/15/2009
001	00530	Total Suspended Solids	1/Month	1	0	11/01/2009
001	00610	Nitrogen, Ammonia -NH3	1/Month	1	0	11/01/2009
001	80082	CBOD 5 day	1/Month	1	0	11/01/2009
001	00530	Total Suspended Solids	1/Month	1	0	12/01/2009
001	00610	Nitrogen, Ammonia -NH3	1/Month	1	0	12/01/2009
001	80082	CBOD 5 day	1/Month	1	0	12/01/2009
001	00530	Total Suspended Solids	1/Month	1	0	01/01/2010
001	00610	Nitrogen, Ammonia -NH3	1/Month	1	0	01/01/2010
001	80082	CBOD 5 day	1/Month	1	0	01/01/2010

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Also, this agency has no record of receipt of DMR data for the month of December 2008. As stated in Part III of your NPDES permit, Ohio EPA 4500 report forms are to be received by this agency no later than the 15<sup>th</sup> day of the month following the month-of-interest. If the monitoring data is submitted electronically, the data must be submitted by the 20<sup>th</sup> day of the month following the month-of-interest.

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

Pursuant to Ohio Administrative Code 3745-7-09, effective December 21, 2006, this agency requires the owner and operator of record of a wastewater treatment plant to maintain operation and maintenance records for the wastewater treatment plant. The records shall be housed onsite and shall be accessible for twenty-four hour inspection. The following information must be recorded and kept onsite:

1. Identification of the sewage treatment works;
2. Date and times of arrival and departure for the operator of record and any other operator required by this chapter;
3. Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage conveyed or effluent produced;
4. Results of tests performed and samples taken, unless documented on a laboratory sheet;
5. Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and
6. Identification of the persons making entries.

This writer has learned that you are the new owner of Olde Towne Tavern; however the NPDES permit has not been transferred to you. The NPDES permit can be transferred by completing the enclosed Application for Transfer of Ohio NPDES permit. The instructions for this form are also enclosed. **Please immediately complete the NPDES Permit Transfer Form and submit it to the Northeast District Office.**

The NPDES permit for the Olde Towne Tavern expires December 31, 2010. Pursuant to Ohio Administrative Code 3745-33-03, NPDES permit renewal applications must be submitted at least 180 days prior to the expiration date of the existing permit. Please submit to this office, by June 31, 2010, the NPDES permit application (Forms 1, 2E, 2S), the \$200 NPDES permit application fee (check made payable to Treasurer, State of Ohio) and the Antidegradation Addendum. The forms may be obtained at the Ohio EPA, Division of Surface Water website address <http://www.epa.state.oh.us/dsw>.

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When the renewal NPDES permit is drafted it is anticipated that the draft permit will contain a schedule of compliance for meeting effluent limitations for E-coli.

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

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

Sincerely,

A handwritten signature in cursive script that reads "Marie Underwood".

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

MU/mt

Enclosure

cc: Terry Kent, R.S., Lake County General Health District