



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

July 10, 2012

RE: TRUMBULL COUNTY
KINSMAN TOWNSHIP
COLONIAL TEA ROOM
8231 STATE ROUTE 5
NPDES PERMIT NO. OH0134406
OHIO EPA PERMIT NO. 3PR00365

Mr. Richard Thompson
d.b.a. Colonial Tea Room
P.O. Box 389
Kinsman, Ohio 44428

Dear Mr. Thompson:

Ohio EPA and the Trumbull County Health Department performed a compliance evaluation inspection of the wastewater treatment works serving the above-referenced facility on July 5, 2012. Mr. Steve Kramer represented the Trumbull County Health Department and the undersigned represented Ohio EPA. The inspection was performed to evaluate the operation and maintenance of the treatment works, and determine the facility's compliance with the terms and conditions of its National Pollutant Discharge Elimination System (NPDES) permit.

The existing treatment components for the 1,200-gpd treatment system consist of a 3,000-gallon septic tank/trash trap, recirculation tank, 304-square foot recirculating sand filter (RSF), 152-square foot dual unit slow surface sand filters, and 365-gallon chlorination/dechlorination tank. Treated effluent is discharged to a nearby storm sewer that is tributary to Pymatuning Creek.

During the inspection, the following observations and/or deficiencies were noted:

1. The overall operation of the treatment works appeared to be satisfactory.
2. A bound and numbered logbook should be used to record all operation and maintenance activities at the plant. Plant operation and maintenance personnel shall record the date, their arrival/departure times, a description of the work performed, and their initials.
3. The wastewater in the recirculation tank was black in color.
4. One of the sand filter dose pumps did not appear to be functioning.
5. The sand filter distribution box diversion plug was leaking.
6. The high-level alarm appeared to be switched off.
7. The chlorination and dechlorination tablets were quite discolored.
8. The final effluent was relatively clear, and did not appear to be causing any immediately noticeable, adverse impacts to the receiving stream.

9. Part II, M of the facility's NPDES permit requires that an outfall sign be erected at the outfall point by no later than four months from the effective date of the permit, which was August 1, 2009. No such sign was observed during the inspection. Please refer to the above-referenced part of the NPDES permit for specific instructions regarding the sizing, positioning, and what information must be displayed on the sign.

A review of the facility's monthly electronic discharge monitoring reports received by Ohio EPA for the period February 2009 through June 2012 indicated violations of the terms and conditions of the NPDES permit. The specific instances of noncompliance include:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	16.1	6/1/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.005	.02072	6/1/2010
June 2010	001	80082	CBOD 5 day	30D Conc	10	28.44	6/1/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	16.1	6/30/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.007	.02072	6/30/2010
June 2010	001	80082	CBOD 5 day	1D Conc	15	28.44	6/30/2010

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
October 2011	001	00010	Water Temperature	1/Week	1	0	10/15/2011
October 2011	001	00010	Water Temperature	1/Week	1	0	10/22/2011
October 2011	001	00083	Color, Severity	1/Week	1	0	10/15/2011
October 2011	001	00083	Color, Severity	1/Week	1	0	10/22/2011
October 2011	001	01330	Odor, Severity	1/Week	1	0	10/15/2011
October 2011	001	01330	Odor, Severity	1/Week	1	0	10/22/2011
October 2011	001	01350	Turbidity, Severity	1/Week	1	0	10/15/2011
October 2011	001	01350	Turbidity, Severity	1/Week	1	0	10/22/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/13/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/14/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/15/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/16/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/17/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/18/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/19/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/20/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/21/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/22/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/23/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/24/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/25/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/26/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/27/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/28/2011

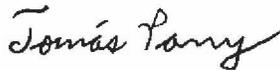
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October 2011	001	00056	Flow Rate	1/Day	1	0	10/29/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/30/2011
October 2011	001	00056	Flow Rate	1/Day	1	0	10/31/2011

Please inform this office, in writing, within 14 days' receipt of this notification, of the actions taken or proposed to address the above-referenced violations and/or deficiencies. Your response shall include specific dates for the initiation and completion of this action plan. Please be advised that failure to comply with the terms and conditions of your NPDES permit may be subject to enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Such actions can result in fines of up to \$10,000 per day of violation.

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1120.

Respectfully,



Tomás Parry, P.E.
Environmental Engineer
Division of Surface Water

TP/cs

Attachments: photographs

cc: Steve Kramer, R.S., Trumbull County Health Department

