



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

July 10, 2012

RE: TRUMBULL COUNTY
KINSMAN TOWNSHIP
KINSMAN IGA
NPDES PERMIT NO. OH00128431
OHIO EPA PERMIT NO. 3PR00225

Mr. Richard Thompson
Kinsman IGA
8281 Kinsman-Williamsfield Road
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 current 1,500-gpd treatment system consists of a flow equalization basin, extended aeration activated sludge package plant, final settling tank, dual-unit slow surface sand filters, sludge holding, and chlorination/dechlorination chamber. Treated effluent is discharged to Pymatuning Creek.

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

1. The overall operation and maintenance of the treatment works appeared to be satisfactory. All treatment units appeared to be in operation.
2. The color of the mixed liquor in the aeration tank was not the deep, chocolate brown that is indicative of a healthy bacterial population.
3. Please provide an explanation for why the blue and white object is in the clarifier.
4. The skimmer in the clarifier was plugged with debris.
5. Floating solids were observed in the clarifier.
6. The sand filter distribution box leaks, and needs to be repaired.
7. The plant appears to still be dealing with heavy sludge deposits occurring on the sand filters. Please ensure that the sludge is removed, and the sand is raked and leveled. Efforts should be made to ensure solids are settled as much as possible in the clarifier.
8. The overflow pipe in the sand filters needs to be permanently removed.

9. Solids carryover was observed in the disinfection chamber and effluent sampling well.
10. The dechlorination tablets were stuck in the dechlorination tube, and were not properly dropping down into the flow.
11. Part II, K 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 May 1, 2011. 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.
12. Operation and maintenance activities are being recorded in a bound and numbered logbook. Please note that the logbook must contain the date, arrival/departure times, a description of the work performed, and the initials of the individual performing the work.

A review of the facility's electronic Discharge Monitoring Reports (eDMRs) received by Ohio EPA for the period January 2011 to June 2012 indicated violations of the terms and conditions contained in the NPDES permit. The specific instances of noncompliance include:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2011	001	00530	Total Suspended Solids	30D Conc	12	31.	3/1/2011
March 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.04	3/1/2011
March 2011	001	80082	CBOD 5 day	30D Conc	10	12.	3/1/2011
March 2011	001	00530	Total Suspended Solids	1D Conc	18	31.	3/31/2011
March 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	7.04	3/31/2011
June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0056	.01062	6/1/2011
June 2011	001	80082	CBOD 5 day	30D Qty	0.057	.08584	6/1/2011
June 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.0085	.01062	6/8/2011
June 2011	001	80082	CBOD 5 day	7D Qty	0.085	.08584	6/8/2011
August 2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	8/1/2011
May 2012	001	31648	E. coli	30D Conc	161	610.	5/1/2012
May 2012	001	31648	E. coli	7D Conc	362	610.	5/22/2012

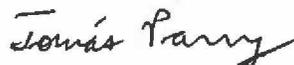
Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
March 2011	001	00083	Color, Severity	1/Week	1	0	03/22/2011
March 2011	001	01330	Odor, Severity	1/Week	1	0	03/22/2011
March 2011	001	01350	Turbidity, Severity	1/Week	1	0	03/22/2011
May 2011	001	31648	E. coli	1/Month	1	0	05/01/2011
October 2011	001	00083	Color, Severity	1/Week	1	0	10/22/2011
October 2011	001	01330	Odor, Severity	1/Week	1	0	10/22/2011
October 2011	001	01350	Turbidity, Severity	1/Week	1	0	10/22/2011

October 2011	001	31616	Fecal Coliform	1/Month	1	0	10/01/2011
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
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

Attachment: Photographs

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

