



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

July 12, 2012

RE: TRUMBULL COUNTY
HARTFORD TOWNSHIP
JOSEPH BADGER MEADOWS CAMP
NPDES PERMIT NO. OH0125962
OHIO EPA PERMIT NO. 3PR00198

Mr. Dan Schomer, General Presbyter
Eastminster Presbytery
7266 Hayes Orangeville Road
Burghill, Ohio 44404

Dear Mr. Schomer:

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 components of the 20,000-gpd treatment system consist of a trash trap, 8,800-gallon flow equalization basin, extended aeration activated sludge package plant, final clarifier, 48-square foot dual-cell fixed media clarifier, 800-square foot dual-unit slow surface sand filter, chlorination/dechlorination chamber, and sludge holding tank. Treated effluent is discharged to an unnamed tributary of Pymatuning Creek.

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

1. The overall operation and maintenance of the treatment works was marginal. Several components of the treatment system were not operating properly.
2. The equalization tank was filled to capacity, indicating that the equalization pumps were not operating properly. Additionally, untreated wastewater was observed leaking from the equalization tank and pooling on the ground surface.
3. The aeration system in the flow equalization basin did not appear to be functioning.
4. The mixed liquor in the aeration tank was nearly black, indicative of possible septic conditions.
5. The level of water in the clarifier was below the skimmers.
6. An air leak was heard from inside the piping in the clarifier tanks.
7. Heavy vegetative growth was observed in the clarifier.

8. One of the sand filter dose pumps did not function when it was cycled. Additionally, there was a large discrepancy between the run times indicated on the dose pump time meters. Please verify the functionality of both pumps. If a pump is down, it must be serviced and restored to working order immediately.
9. The alarm light on the sand filter dose pump control box was disconnected. Please verify the functionality of the alarm light. If it is not functioning, it must be serviced and restored to working order immediately.
10. Heavy vegetation was observed in the sand filters.
11. There was a leak in the sand filter dosing pipes near the connection at the distribution box.
12. The dechlorination tablets were not seated properly in the dechlorination feed tube.
13. The effluent being discharged exhibited visible turbidity.
14. 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.
15. 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, arrival/departure times, a description of the work performed, and their initials.

A review of the facility's electronic Discharge Monitoring Reports received by Ohio EPA for the period March 2009 through 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 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.7	3/25/2009
July 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.3	7/1/2009
August 2009	001	00530	Total Suspended Solids	30D Qty	0.91	1.34746	8/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	10.4	8/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.076	3.5034	8/1/2009
August 2009	001	31616	Fecal Coliform	30D Conc	1000	1008.	8/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	10.4	8/5/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.11	3.5034	8/5/2009
August 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.07	8/5/2009
August 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	8/19/2009
May 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	5/5/2010
August 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	8/18/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.75	10/1/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	1.75	10/6/2010
June 2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	.07	6/1/2011
July 2011	001	31616	Fecal Coliform	30D Conc	1000	3500.	7/1/2011
July 2011	001	31616	Fecal Coliform	1D Conc	2000	3500.	7/6/2011

July 2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	7/6/2011
August 2011	001	00530	Total Suspended Solids	30D Conc	12	22.	8/1/2011
August 2011	001	00530	Total Suspended Solids	30D Qty	0.91	3.66388	8/1/2011
August 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	37.5	8/1/2011
August 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.076	6.24525	8/1/2011
August 2011	001	31616	Fecal Coliform	30D Conc	1000	5000.	8/1/2011
August 2011	001	80082	CBOD 5 day	30D Qty	0.76	1.49886	8/1/2011
August 2011	001	00530	Total Suspended Solids	1D Conc	18	22.	8/3/2011
August 2011	001	00530	Total Suspended Solids	1D Qty	1.37	3.66388	8/3/2011
August 2011	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	37.5	8/3/2011
August 2011	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.11	6.24525	8/3/2011
August 2011	001	31616	Fecal Coliform	1D Conc	2000	5000.	8/3/2011
August 2011	001	80082	CBOD 5 day	1D Qty	1.14	1.49886	8/3/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.06	9/1/2011
October 2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	.08	10/5/2011
October 2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	.06	10/19/2011
April 2012	001	00300	Dissolved Oxygen	1D Conc	6.0	5.3	4/18/2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PR00198*CD	May 2011	001	50060	Chlorine, Total Residu			AF	5/4/2011
3PR00198*CD	May 2011	001	00300	Dissolved Oxygen			AF	5/4/2011

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: Gary Hoskins, Joseph Badger Meadows Camp
 Dwane Stull
 Steve Kramer, R.S., Trumbull County Health Department

