



**Environmental  
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

May 29, 2012

RE: GEAUGA COUNTY  
MONTVILLE TWP  
PLANK ROAD TAVERN  
NPDES PERMIT #3PR00192

Mr. Martin Lustig  
Plank Road Tavern  
16431 GAR Highway  
Montville, Ohio 44086

Dear Ms. Lustig,

On May 25, 2012, this writer conducted an inspection of the sewage treatment plant serving the above referenced facility. The intent of the inspection was to review operations and maintenance of the sewage treatment system. Compliance with the current National Pollutant Discharge Elimination System (NPDES) permit was reviewed and the system was inspected.

According to Agency records, the wastewater treatment system was installed under Ohio EPA permit-to-install (PTI) 02-11517, which was effective January 2, 1998. The wastewater system consists of a 800-gallon trash trap, 840-gallon equalization tank, 2,330-gallon extended aeration unit, clarifier, 500-gallon scum holding tank, dosing station, 133 square foot surface sand filters, 350-gallon chlorination and dechlorination tank. A time-lapse meter is provided on the dosing chamber to estimate the flow. The wastewater treatment plant (WWTP) discharges to an unnamed tributary of Grand River on the north side of the property.

Below are the findings and recommendations from the inspection:

**INSPECTION SUMMARY**

The grating over the treatment units was either missing or severely rusted. The treatment unit grates must be provided to ensure safety and prevent small animals or any debris from making their way into the tanks. The WWTP is currently not provided with a protective fence. This office recommends a fence be provided for the treatment system because it is located near a main roadway and is located close to the tavern.

The flow equalization tank was less than half-full and was provided with adequate air circulation. There was a slight septic odor around the flow equalization and aeration tanks. Both blowers were in operation at the time of the inspection and appeared to be providing a satisfactory air supply to both the flow equalization tank and the aeration tank. The contents of the aeration portion of the plant were a dark brown color and there was satisfactory rollover within the tank. No foam was noted in the tank. The sludge return line was in operation and returning clear liquid to the aeration tank.

The clarifier was full of solids and there were solids caked up around the influent baffle and effluent weir. There was no discharge noted from the clarifier. The skimmer was visible but had leaves and solids built up around it. The skimmer was not operating satisfactorily at the time of the inspection. The dosing station contained a strong septic odor and there was no evidence of solids in the tank.

The sand filter beds were in good condition with no solids or vegetation present on the media. The chlorination and dechlorination units were in operation and the final effluent from the tank appeared somewhat turbid.

#### NPDES PERMIT COMPLIANCE

The NPDES permit for this facility expires September 30, 2014. Discharge monitoring reports from January 1, 2009 through May 1, 2012 were reviewed for compliance with the current NPDES permit. A violation summary has been attached to this letter. Please notify this office of any reporting errors or electronic Discharge Monitoring Report errors so the error may be resolved. You may contact Mr. James Roberts of this Agency's Central Office at (614) 644-2054 to discuss this issue directly.

The discharge violations indicate the facility has accrued numerous ammonia and suspended solids violations. Our records indicate the facility has an issue with little to no flow. This office is requesting the facility to address the ammonia and suspended solids violations and come up with a plan to address the low flow at the facility. This must be formally submitted to this office no later than July 30, 2012.

According to the discharge monitoring report data from January 1, 2009 through May 1, 2012, the flow reported averaged 128 gpd. The average flow reported is well below the average daily design flow of 1,240 gpd. The reported flows show that the same flow is reported for an entire month. Our records indicate the facility has a time-lapse meter on the dosing chamber to estimate flow. The NPDES permit includes flow monitoring that is a 24-hour estimate. Please indicate how the daily flow is estimated at this facility.

The WWTP is currently classified by the Ohio EPA as a Class A wastewater treatment works. This classification is located in the NPDES permit, which was renewed October 1, 2009. The facility has obtained the services of a Class A operator. Our records indicate David Osborn is the Operator of Record for the facility.

#### IN SUMMARY

The following items are of concern to this office and must be addressed:

- As soon as possible, but no later than July 30, 2012, complete an analysis of the WWTP to discover the cause of the ammonia and suspended solids violations. Submit a formal plan summarizing the facility plan to address these violations.
- As soon as possible, but no later than August 30, 2012, replace all grating and place protective fencing around the WWTP.

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If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,

A handwritten signature in black ink, appearing to read "Laura A. Weber". The signature is fluid and cursive, written in a professional style.

Laura A. Weber, P.E.  
Environmental Engineer  
Division of Surface Water

LAW/cs

cc: Geauga County Health Department

File: Semi-Public/Gauga/Montville Twp/Plank Road Tavern 3PR00192

Violation Summary

Discharge Violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
April 2010	001	80082	CBOD 5 day	30D Conc	10	22.6	4/1/2010
April 2010	001	80082	CBOD 5 day	7D Conc	15	22.6	4/1/2010
January 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	34.8	1/1/2009
January 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	34.8	1/1/2009
January 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.01	.01383	1/1/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	21.5	2/1/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	21.5	2/1/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.01	.06014	2/1/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.02	.06014	2/1/2009
March 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	22.6833	3/1/2009
March 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	52.5	3/1/2009
March 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.01	.01992	3/1/2009
March 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.02	.0461	3/1/2009
March 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.775	3/8/2009
April 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.33	4/1/2009
May 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	26.1	5/1/2009
May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	26.1	5/1/2009
May 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.005	.01255	5/1/2009
May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.007	.01255	5/1/2009
June 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	8.39667	6/1/2009
June 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.2	6/1/2009
June 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	8.995	6/22/2009
July 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.2	7/1/2009
July 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.2	7/8/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.05	8/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.05	8/1/2009
December 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	6.25	12/1/2009
December 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.19	12/1/2009
December 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.31	12/8/2009
February 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	22.8	2/1/2010
February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	22.8	2/8/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	21.2	3/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	21.2	3/1/2010
April 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	20.6	4/1/2010
April 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	20.6	4/1/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.19	5/1/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	6.19	5/22/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	5.09	7/1/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.09	7/1/2010

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September 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.255	9/1/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.38	9/15/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.13	9/22/2010
January 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	15.	1/1/2011
January 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	15.	1/1/2011
February 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	52.6	2/1/2011
February 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.01	.01015	2/1/2011
February 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	52.6	2/8/2011
March 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	9.18	3/1/2011
March 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.37	3/15/2011
March 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	8.99	3/22/2011
April 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	22.4	4/1/2011
April 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	22.4	4/1/2011
April 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.01	.01526	4/1/2011
May 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	5.08	5/1/2011
May 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.08	5/8/2011
July 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.63	7/1/2011
July 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.63	7/15/2011
August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.1	8/1/2011
March 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	10.235	3/1/2012
March 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	8.47	3/1/2012
March 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	12.	3/15/2012
April 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.42	4/1/2012
March 2010	001	00530	Total Suspended Solids	30D Conc	12	20.	3/1/2010
March 2010	001	00530	Total Suspended Solids	7D Conc	18	20.	3/1/2010
April 2010	001	00530	Total Suspended Solids	30D Conc	12	60.	4/1/2010
April 2010	001	00530	Total Suspended Solids	7D Conc	18	60.	4/1/2010
May 2010	001	00530	Total Suspended Solids	30D Conc	12	17.	5/1/2010
June 2010	001	00530	Total Suspended Solids	30D Conc	12	30.	6/1/2010
June 2010	001	00530	Total Suspended Solids	7D Conc	18	35.	6/15/2010
June 2010	001	00530	Total Suspended Solids	7D Conc	18	25.	6/22/2010
July 2010	001	00530	Total Suspended Solids	30D Conc	12	30.	7/1/2010
July 2010	001	00530	Total Suspended Solids	7D Conc	18	30.	7/1/2010
August 2010	001	00530	Total Suspended Solids	30D Conc	12	12.5	8/1/2010
August 2010	001	00530	Total Suspended Solids	7D Conc	18	22.	8/8/2010
December 2010	001	00530	Total Suspended Solids	30D Conc	12	16.	12/1/2010