



State of Ohio Environmental Protection Agency

Northeast District Office

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

June 26, 2007

RE: SUMMIT COUNTY  
BATH TOWNSHIP  
KEN STEWART'S LODGE  
(1911 N. CLEVE.-MASS. RD.)  
(NPDES # 3PR00286\*BD)

Mr. Steve Schreiber, P.E.  
GPD Group / acla  
5595 Transportation Blvd., Suite 100  
Cleveland, OH 44125

Dear Mr. Schreiber:

A review of the site for your client's proposed project was conducted by this writer on June 13, 2007. The site encompasses a 5.58-acre tract of land that is located at 1911 North Cleveland-Massillon Road in Bath Township. The property is presently developed with an existing one-story commercial building, used primarily as a restaurant. The building is currently served by an aeration type of sewage treatment system.

We understand your client proposes the addition of 50 seats to the existing restaurant operation, which currently consists of 75 restaurant seats and 205 banquet seats. Also currently housed in the building are a pharmacy, a dental office, a barber shop, an accountant, and an attorney's office. The building owner has plans to terminate the rental agreements with the dentist, barber, accountant, and lawyer, and remodel the space for the addition of the 50 restaurant seats.

Based upon the above occupants and recommended design criteria, the following theoretical flows are expected from the current scenario:

Restaurant:	75 restaurant seats @ 70 gpd / seat (200 ppm BOD) .....	5250 gpd
	215 banquet seats @ 10 gpd / seat (200 ppm BOD) .....	2150 gpd
Pharmacy:	9 employees @ 20 gpd ea .....	180 gpd
Dentist:	1 Dr. @ 200 gpd; 1 employee @ 20 gpd ea.;	
	5 patients @ 10 gpd ea .....	270 gpd
Barber Shop:	1 Basin @ 200 gpd .....	200 gpd
Accountant:	2 employees @ 20 gpd ea .....	40 gpd
Lawyer:	2 employees @ 20 gpd ea .....	40 gpd
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Total .....		8130 gpd

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However, water usage records submitted with the site inspection request form revealed actual metered water usage for the existing building to be approximately 4,725 gpd. Water records were reviewed for the period of May 2002 through March 2007.

The proposed addition of 50 restaurant seats would theoretically increase flow to the existing sewage plant by 1,750 gpd, for a total estimated hydraulic flow of 6,475 gpd. Elimination of the dental office, barber shop, accountant, and attorney would theoretically eliminate 550 gpd. The current National Pollutant Discharge Elimination System (NPDES) permit for Ken Stewart's Lodge bases effluent loadings on an average design flow of 7,900 gpd.

When evaluating the existing wastewater treatment system for use with your proposed project, primary consideration is given to the adequacy of the present treatment process. The existing sewage system consists of a trash trap, flow equalization, a 15,000-gpd extended aeration plant, surface sand filters, chlorination / dechlorination facilities and aerated sludge holding.

At the time of the inspection, the following observations were made:

1. The trash trap was in use and contained some floating solids / scum on the surface of the contents.
2. The aeration tank was being aerated, and the contents were a medium brown in color. The return sludge and skimmer line were operational.
3. Contents of the settling tank were typical, and there were no floating solids or scum on the content's surface. The effluent trough contained no solids or algae, but was considerably rusty.
4. The pump station pumps were set to automatic mode and were operational.
5. The surface sand filters were comprised of 4 cells. The northwest cell was clean; the northeast cell was clean and in use; the southeast cell had some solids deposition in the corners; and the southwest cell contained some solids and vegetation.
6. The chlorination / dechlorination tank tubes were in use and contained tablets.
7. The aerated sludge holding tank was empty.
8. The flow equalization tank was full, but was not being aerated.

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A review of the Monthly Operating Report (MOR) data, submitted in SWIMS to Ohio EPA, for the period of January 1, 2006, through June 1, 2007, found the following NPDES permit effluent limit violations:

**Ken Stewart's Lodge**  
(NPDES Permit No. 3PR00286)  
Final Effluent Limit Violations (1/1/06 through 6/1/07)

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2006	Dissolved Oxygen	1D Conc	6.0	5.9	6/20/2006
August 2006	Dissolved Oxygen	1D Conc	6.0	5.9	8/29/2006

In summary, this office has no objection to the existing aeration system being used for the proposed project. Please note, proper operation and maintenance practices should continue to be implemented, which will enable the WWTP to continuously meet its NPDES permit effluent limits. However, should the existing system begin to fail, or cause an adverse environmental or health impact, then this office may require an upgraded sewage system be installed for the facility, or the operation suspended.

For this reason, the requirements and site approval noted in this letter will be valid for one year from the date of this letter.

Should you have any comments or questions regarding this letter, please contact this office.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/mt

cc: Summit County Health Department

File: SP/SummitCounty/BathTwp/KenStewartsLodge