



Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

February 17, 2011

RE: SUMMIT COUNTY
FRANKLIN TOWNSHIP
ST. LUKES LUTHERAN COMMUNITY -
PORTAGE LAKES
OHIO EPA NO. 3PR00155
COMPLIANCE EVALUATION INSPECTION

Ms. Joan Graham, Human Resources
St. Lukes Lutheran Community - Portage Lakes
615 Latham Lane
Akron, OH 44319

Dear Ms. Graham:

On February 4, 2011, a Compliance Evaluation Inspection was conducted by this writer of this office at the wastewater treatment plant serving St. Lukes Lutheran Community. According to our files, the wastewater treatment system consists of a 2400 gallon trash trap, a 9350 gallon extended aeration plant, a 2844 gallon settling tank, a 711 gallon dosing chamber, a 760 square foot surface sand filter, a 3810 gallon sludge storage tank, and a 1125 gallon chlorination/dechlorination tank.

During the inspection, the wastewater treatment plant appeared to be in satisfactory condition. One noted problem was that both sides of the surface sand filter were draining extremely slowly, with ponded water almost overflowing the walls. This problem was also noted by this office during an October 2009 inspection. You are directed to have your certified wastewater operator evaluate the surface sand filters and determine the reason for them draining so slowly.

Review of the Discharge Monitoring Reports from January 2010 through January 2011 revealed the following numeric effluent violation:

Table with 6 columns: Station, Parameter, Limit Type, Limit, Reported Value, Violation Date. Row 1: 001, Chlorine, Total Residu, 1D Conc, 0.019, .55, 8/10/2010

Upon review of your recently submitted site evaluation request form, it is understood you propose to add onto the existing building at this location. The building addition would house 15 assisted living units for senior citizens. Each unit would consist of a private room and private bathroom.

Based on this information and our design flow requirement of 200 gallons per day per unit, your proposal would generate approximately 3000 gpd of wastewater at a strength of 300 mg/l BOD5. The nursing home's existing wastewater treatment plant was designed to treat

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9000 gpd of wastewater at a normal domestic strength of 200 mg/l BOD₅. Over the past year, the average daily wastewater flow discharging from the plant was approximately 4500 gallons. Therefore, it appears the plant does have available capacity to handle 15 additional units.

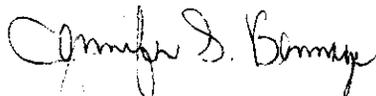
Prior to this office giving a favorable recommendation to your 15 unit building addition, the following information is needed:

1. Your certified operator shall conduct influent sampling to verify the strength of the existing wastewater going into the treatment plant. Because nursing homes have been known to generate higher strength wastewater than a normal home, this office wants to make sure that the additional units' wastewater will not overload the aeration tanks.
2. Your certified operator shall determine the reason for the ponding surface sand filters. Over time, if not maintained properly, the sand in the filters and/or the under drains may become clogged with solids.

Please be aware that your effective NPDES permit expires on June 30, 2011. Enclosed are the NPDES renewal forms, Form 1 and 2E along with the Antidegradation Addendum. Please submit the completed forms, along with a \$200 permit renewal fee, paid to Treasurer of State of Ohio. To assist you, also enclosed is a copy of your previously submitted renewal forms.

In conclusion, once this office receives the above requested information, we will be able to give a recommendation to your proposal. If you have any questions, please contact me (330) 963-1151.

Sincerely,



Jennifer S. Bennage
Environmental Engineer
Division of Surface Water

JSB/mt

Enclosures

cc: Brent Paulus, Summit County Health Department
Fred Rothwell, Humbert Sanitary Service Inc.
Barry Ganoë, New Franklin Zoning Dept.