

September 18, 2024

City of Toronto
Planning Division
100 Queen St. West
Toronto, ON, M5H 2N2

To whom it may concern,

Subject: Clarification on Noise Impacts of Geothermal HVAC Systems

I am writing to address the noise impacts of a geothermal HVAC system compared to a traditional HVAC system.

Circulation Pumps

The circulation pumps for the geothermal system are in the basement and are connected to the building's circulation system via a heat exchanger. Given this configuration, there should be no change in noise levels related to the circulation equipment, and it should be comparable to that of traditional systems.

Heat Pumps

The heat pump equipment installed in each suite is similar or identical to those used in traditional boiler and cooling tower applications. As such, the noise characteristics of these in-suite heat pumps should be addressed in the same manner as standard in-suite systems, with no differences anticipated.

In summary, we believe that the geothermal HVAC system will not present noise impacts that differ from those of a traditional HVAC system. Should you have any further questions or require additional information, please feel free to contact me.

Thank you for your attention to this matter.

Sincerely,



Stan Reitsma, PEng, PhD
CEO
Geosource Energy Inc.