



January 19, 2009

## Letter of Notice

### **RE: Oil Tank Installations as of April 1<sup>st</sup>, 2009**

This letter is to inform all installers and home owners of the new requirements for above ground fuel storage tanks that come into effect as of April 1<sup>st</sup>, 2009 across the entire Yukon including the City of Whitehorse. However, we strongly encourage that installers and home owners voluntarily start follow these requirements immediately.

The requirements shall meet the CSA B139-04 Standard (Installation code for oil-burning equipment) and the National Fire Code of Canada 2005 edition.

CSA B139-04 - Part 6: Aboveground fuel oil tanks – maximum individual capacity 2500 litres (550 gallons)

6.3.8 reads that a tank shall be:

- (a) installed on rigid noncombustible supports constructed of materials having a fire-resistance rating of not less than 2hrs; and
- (b) securely supported to prevent settling, sliding, toppling or lifting.

6.3.11 also reads:

In areas subject to earthquakes, the tank supports and connections shall be designed to resist damage as a result of such shocks.

The National Fire Code in Part 4.3.3 - Supports, Foundations and Anchorage for Aboveground Storage Tanks, reads as follows:

4.3.3.1. – Foundations and Supports

- 2) Tanks supports shall be installed on firm foundations designed to minimize uneven settling of the tank and to minimize corrosion of the part of the tank resting on the foundation.

4.3.3.2 Earthquake Protection

- 1) In areas subject to earthquakes forces, storage tanks, supports and connections shall be designed to resist such forces in conformance with
  - a) Part 4 of the NBC, and
  - b) Appendix A of ULC-S630, "Shop Fabricated Steel Aboveground Vertical Tanks for Flammable and Combustible Liquids."

There are three (3) different ways to achieve these results:

1. As per Manufacturer's Recommendations and / or Specifications.
2. As per the drawings to meet the specific requirements of Part 4 Structural Design from the National Building Code of Canada 2005 edition, available from the City of Whitehorse Building Inspections Department and / or the Building Safety Branch of the Yukon Government.
3. The owner or installer may hire a Yukon Registered Structural Engineer to design a system to meet or exceed the requirements above, complete with stamped drawings, which are required to be submitted for approval, prior to installation.

The above requirements are to meet the safety regulations for the installation of above ground fuel storage tanks.

For further information please contact the City of Whitehorse or the Yukon Government at the numbers listed below.

*Signature on file*

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City of Whitehorse

*Signature on file*

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