



Fuels Safety Program	Ref. No.: FS-053- 05	Rev. No.:
DIRECTOR'S ORDER	Date: 10/31/05	Date:

***IN THE MATTER OF:
THE TECHNICAL STANDARDS AND SAFETY ACT 2000,
S.O. 2000, c. 16***

- and -

**ONTARIO REGULATION 210/01 made under the
Technical Standards and Safety Act 2000
(The Oil and Gas pipeline Systems Regulation)**

- and -

**ONTARIO REGULATION 223/01 made under the
Technical Standards & Safety Act 2000
(Codes and Standards Adopted by Reference)**

Subject: Design of Service Lines to Prevent Uncontrolled Release of Gas Inside Buildings,
Change of clause 12.4.10.1, Z663-03 Oil and Gas Pipeline Systems Standard.
Sent to: Natural Gas Advisory Council, Propane Fuels Advisory Council, Licensed Natural
Utilities, Ontario Energy Board.

The Oil and Gas Pipeline Systems Code Adoption Document published by the Technical Standards & Safety Authority dated June 1, 2001 as amended is further amended as follows:

Clause 12.4.10.1 of CSA Z662-03 as adopted by section 2 (1) of the Code Adoption document is revoked and replaced with the following:

12.4.10.1 Customers' meters and service regulators may be located either inside or outside buildings, dependent upon local conditions. If the service regulator is located inside the building,

- a) The service line shall be designed to mitigate against an uncontrolled release of gas inside the building should a failure occur, and
- b) In order to indicate that a service line is present, the presence of the gas service should be clearly indicated with permanent marking at or on the outside of the building.

Clause 12.4.10.1 (b) is also applicable to existing service lines and is a retroactive requirement.

Examples of satisfactory mitigation methods include, but are not necessarily limited to, the following:

- a) Installing an excess flow valve at or close to the service line connection to the main,
- b) Installing an outside above grade shut-off valve prior to the piping entrance into the building.

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Examples of satisfactory permanent marking include labelling or painting using the colour yellow or words indicating the contents of the piping. The indication should be located as follows:

- i) On the wall of the building where the pipe enters the building, or
- ii) On the service piping which is visible outdoors, or
- iii) On pavement or sidewalk, by markers where the service line is located.

This Order is effective three months after the date below for new installed service lines. For existing service lines, part b) requirements shall be completed by March 31, 2006.

Dated at Toronto this 31st day of October 31, 2005.

APPROVED BY:

Roland Hadaller, P. Eng.
Director, Gaseous Fuels Regulation
Technical Standards and Safety Act

L/fsesb/oa/Director's Order, Excess Flow Valves, San. 3

Superseded