

+ ***Ontario Gaseous Fuels Code Adoption Document
– Amendment –
Adopting the CSA-B149.1S1-07 Supplement No. 1***

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This document is intended for use in conjunction with the CAN/CSA-B149.1-05 Code, the Ontario Code Adoption Document Oct 31, 2005, the B149.1S1-07 Supplement No. 1 to CAN/CSA-B149.1-05, Natural Gas and Propane Installation Code. It is a compilation of the TSSA Director's Order of Amendment to the Gaseous Fuels Code Adoption Document dated April 16, 2007. It has been formatted in a convenient manner for insertion into the existing B149 Code binders

Please note, that this compilation is prepared for the purposes of convenience only, and for accurate reference, the user should consult the current Gaseous Fuels Code Adoption Document and Amendments issued by the Technical Standards and Safety Authority and the official laws of the Government of Ontario.

+ ***Gaseous Fuels Code Adoption Document
Amendment – April 16, 2007***

(these Amendments will be effective on August 1, 2007)

The National Standard of Canada CSA-B.149.1-05 entitled "NATURAL GAS AND PROPANE INSTALLATION CODE" and the CSA-B149.1S1-07, Supplement No. 1, January 2007, prepared by the Canadian Standards Association are adopted with the following amendments:

Note: The amending clauses have been divided to facilitate the insertion of the following pages into the body of the CAN/CSA-B149.1-05 code binder.

April 27, 2007

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*Clause 3 is amended by revoking the definition of "**confined space**".*

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Section 4.1.3 is revoked and the following is substituted for it:

4.1.3

An **appliance, accessory, component, equipment** or any other item shall be installed in accordance with the manufacturer's **certified** instructions and this Document.

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Section 4.1.4 is revoked and the following is substituted for it:

4.1.4

Where a conflict exists between the manufacturer's **certified** installation instructions and this Code, the requirements of this Code shall prevail unless otherwise accepted by the **authority having jurisdiction**.

Section 4.2.3 is revoked and the following is substituted for it:

4.2.3

The approval of the assembly or construction of an **appliance** is subject to the **authority having jurisdiction**. (See Section 2 of the Code Adoption Document)

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Section 4.5.5 is revoked and the following is substituted for it:

4.5.5

An **appliance, component, equipment, or accessory** that has been exposed to fire, explosion, flood, or other damage shall not be offered for sale, installed, re-activated or reconnected to the supply, without

- a. approval of the **authority having jurisdiction**; or
- b. inspection has determined it is fit for continued use by a Gas Technician I or II (as appropriate for the **appliance** input rating).

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(see over)

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Section 5.6.1.3 is revoked and the following is substituted for it:

5.6.1.3

When an **appliance pressure regulator** without **internal relief** having an inlet pressure not in excess of 2 psig (14 kPa) is installed on an **appliance**, it shall be vented to the outdoors unless it is constructed or equipped with a device to limit the escape of gas from the vent opening in the event of diaphragm failure, and the opening in the device shall restrict the escape of gas to not more than 1ft³ (0.0283 m³) per hour of a gas having a specific gravity of 1.53. A **regulator** with vent limiting means shall be installed in a ventilated space only.

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Section 6.2.3 is revoked and the following is substituted for it:

6.2.3

Natural gas piping or propane vapour phase piping with operating pressures up to and including 125 psig (860kPa) shall be at least standard weight.

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(see over)

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Table 6.3 Note (2) is revoked and the following substituted:

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(2) *Wrapped and or factory-coated piping or tubing of all sizes and lengths, other than Corrugated Stainless Steel Tubing (CSST) and coated copper tubing, shall be tested at a minimum pressure of 100 psig (700 kPa) in accordance with the time duration on the table. CSST and coated copper tubing shall be tested in accordance to the requirements of the main body of Table 6.3.*

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(see over)

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Clause 7.26.1 is revoked and the following substituted:

7.26.1

A water heater, unless of the direct vent type, shall not be installed in a bathroom, bedroom, or any enclosure where sleeping accommodation is provided. An enclosure containing the water heater shall not be accessed by a pedestrian door which can be opened from the bathroom or bedroom.

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Clause 7 is amended by adding to it the following clauses:

7.36 Field Approval of Special Effects

Natural gas or propane used in connection to **Field Approval of Special Effects** shall comply with **Annex K**.

7.37 Requirements for the operation of Appliances at shows, exhibitions, or other similar events

Natural gas or propane used in connection to **Appliances** and **Cylinders** at Shows, Exhibitions, or other Similar Events shall comply with **Annex J**.

Clause 8.1.2 is revoked and the following substituted:

8.1.2

The requirements of 8.2 through 8.5 inclusive do not apply to:

- a. **direct-vent appliances**, or
- b. Category IV **appliances** unless installed in designated R-2000 homes or in an enclosure.

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Subclause 8.2.1 (a) is revoked and the following is substituted for it:

8.2.1

- (a) has a vapour or air barrier with joints continuously sealed by taping or caulking in all thermally insulated walls, ceilings and floors, or

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(see over)

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Clause 8.9.5 is revoked and the following substituted:

8.9.5

Venting systems, or total vent run if less than 3 ft (900 mm), that employ plastic vents shall be installed such that the first 3 ft (900 mm) from the appliance outlet is readily accessible for visual inspection except for direct vent appliances such as fireplaces that are intended to have short vent lengths to be concealed for decorative purposes.

Clause 8.9.6 is revoked and the following substituted:

8.9.6(a)

Until July 1, 2008, vents constructed using plastic piping shall be certified to ULC S636 except for special fittings (non standard vent sizes and components) which may include:

- a. entire vent systems supplied with the appliance that are not comprised of standard vent sizes and components;
- b. transitions with or without condensing lines; and
- c. termination kits.

8.9.6(b)

After July 1, 2008, vents constructed using plastic piping shall be certified to ULC S636.

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(see over)

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Clause 8.10.13 is revoked and the following substituted:

8.10.13

A false ceiling space, or a concealed space used for return air, shall not contain a vent or vent connector that does not have sealed joints or seams.

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(see over)

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Clause 8.14.8(a) is revoked and the following substituted:

8.14.8

- (a) directly above a paved sidewalk or paved driveway that is located between two single-family dwellings and serves both dwellings;

Note: This does not apply to non-condensing appliances.

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The previously issued Director's Order on the Amendment to the Gaseous Fuels Code Adoption Document (10/31/05) revoked Annex D of the B149.1-05 and substituted new coverage (printed on the pink sheet numbered 142). This coverage is now revoked and Annex D of the B149.1 Supplement No. 1 has been adopted for use in Ontario.

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