

## Inspection and Technical Services

### Gas Equipment Bulletin: Adoption of 2015 Gas Codes

ITS 21-029

The 2015 edition of the following Gas Codes with minor amendments will come into effect in Manitoba on October 1, 2018:

- CSA B149.1 - Natural Gas and Propane Installation Code
- CSA B149.2 - Propane Storage and Handling Code
- CSA B149.3 - Code for the Field Approval of Fuel-Related Components on Appliances and Equipment

Adoption of these new codes will bring Manitoba in line with our New West Partnership counterparts in Western Canada and other Canadian jurisdictions.

#### **2015 Gas Codes - Amendments**

The following codes are adopted, subject to the amendments indicated below:

##### **CSA B149.1-15 Code**

Clause 7.22.16 is repealed.

~~“7.22.16 A DFPAH shall be located not less than 20 ft (6 m) horizontally from a vertical plane in which combustible gas, vapour, or dust is present.”~~

**Rationale:** The clause was included in this edition of the Code as an error and will be removed from the next edition of the Code.

##### **CSA B149.2-15 Code**

Clause 9.1.10 is replaced with the following:

*“9.1.10 An emergency shutdown system shall be installed in any tank system supplying propane to a direct-fired vaporizer. The emergency shutdown system shall be of the electrical, pneumatic, or mechanical type, or a combination of them, and the means to activate the emergency shutdown system shall be located at least 7.6m (25ft) from the direct-fired vaporizer(s). When activated, the emergency shutdown system shall initiate shut-off of the liquid line at the tank location that is connected to the vaporizer.”*

**Rationale:** The change will allow industry to install emergency shutdown systems at a more practical but safe location.

### **CSA B149.3-15 Code**

Non-mandatory **Annex H – Liquid Fuels** is adopted as a mandatory section of the Code.

**Rationale:** The adoption of Annex H – Liquid Fuels as a mandatory section of this Code will allow uncertified oil equipment to obtain approval for use in Manitoba through the Field Approval Program.

### **2015 Gas Codes - Key Changes**

Some of the key changes made in the 2015 Gas Codes are indicated below:

- **CSA B149.1-15 Code**
  - Provides more guidance about metallic fittings, stainless steel tubing, pressure regulators for propane vehicle usage, direct gas-fired process air heaters and more;
  - Consolidates clauses from other B149 Series of Codes to provide a more comprehensive and streamlined representation of different areas of scope;
  - Adds new clauses for the following areas: mobile homes, recreational vehicles, highway vehicles, outdoor food service units, and wash-mobiles include specialized requirements;
  - Simplifies references and definitions to allow for more effective application of its clauses.
  
- **CSA B149.2-15 Code**
  - Transfers clauses to other B149 Series of Codes to provide a more comprehensive and streamlined representation of different areas of scope.
  - Defines new terms like construction sites, cylinders in storage and connected for use.
  - Adds new clauses for the following areas: construction sites, tank heaters, vaporizer installations, and operation and maintenance of propane storage facility.
  - Adds clauses for new areas of application like recreational vehicles, mobile housing, outdoor food service units, wash mobiles and motor vehicle engine fuel systems.
  
- **CSA B149.3-15 Code**
  - Adds Annex E, F, G, H and I.
  - Identifies additional standards for certification of safety shut-off valves and manual shut-off valves.
  - Provides more information to Authority Having Jurisdiction (AHJ) for evaluating Valve Proving Systems (VPS).
  - Provides supplementary requirements for controls and valves subjected to low ambient temperatures.

Everyone responsible for conducting gas related work is encouraged to familiarize themselves with the 2015 Gas Codes, which can be purchased online from the CSA Group.

If you have any questions or need more information about these codes, please contact us at (204) 945-3373