

PROVINCE OF BRITISH COLUMBIA
REGULATION OF THE ATTORNEY GENERAL AND
MINISTER RESPONSIBLE FOR HOUSING

Safety Standards Act

Ministerial Order No. M191

I, David R. P. Eby, Q.C., Attorney General and Minister Responsible for Housing, order that,

- (a) effective October 1, 2022, the Gas Safety Regulation, B.C. Reg. 103/2004, is amended as set out in the attached Appendix 1, and
- (b) effective October 1, 2023, the Gas Safety Regulation, B.C. Reg. 103/2004, is amended as set out in the attached Appendix 2.

June 23, 2022

Date



Attorney General and Minister Responsible for Housing

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: *Safety Standards Act*, S.B.C. 2003, c. 39, ss. 8 and 88 (2) (a), (b) and (k)

Other: M61/2004

R10601603

APPENDIX 1

1 Section 2 of the Gas Safety Regulation, B.C. Reg. 103/2004, is amended by repealing the definition of “natural gas” and substituting the following:

“natural gas” means the following:

- (a) a naturally occurring mixture of hydrocarbon gases composed predominantly of methane but that may also contain ethane, nitrogen and propane;
- (b) a mixture referred to in paragraph (a) into which hydrogen has been injected; .

2 Section 7 (4) (b) is repealed and the following substituted:

- (b) the person must hold a valid class B gas fitter certificate of qualification that
 - (i) was issued on or before March 31, 2020,
 - (ii) is marked with the designation “(GP)”, and
 - (iii) entitles the person to perform the work referred to in subsection (3).

3 Section 30 (1) is repealed and the following substituted:

- (1) In this section, “national code” means the following codes or standards:
 - (a) CSA B149.1-20 *Natural gas and propane installation code*;
 - (b) CSA B149.2-20 *Propane storage and handling code*;
 - (c) CSA B149.3-20 *Code for the field approval of fuel-burning appliances and equipment*, including, as normative, Annex J Mobile outdoor food service unit;
 - (d) CSA B149.5-20 *Installation code for propane fuel systems and containers on motor vehicles*;
 - (e) CSA Z662-19 *Oil and gas pipeline systems*;
 - (f) CSA/ANSI B149.6-20 *Code for digester gas, landfill gas, and biogas generation and utilization*;
 - (g) CSA B108-18 *Natural gas refuelling stations installation code*;
 - (h) CSA B109-17 *Natural gas for vehicles installation code*;
 - (i) CAN/BNQ 1784-000-2022 *Canadian Hydrogen Installation Code*.

4 Section 1 of the Schedule is repealed and the following substituted:

1 The following clauses are added after Clause 4.3.8 of CSA B149.1-20 Natural gas and propane installation code:

- 4.3.9** The installer must ensure that no portion of an energized gas piping system is altered or disconnected prior to isolation of that portion of the gas system from the source supply.
- 4.3.10** The installer must ensure that any alterations of an existing gas piping system include a testing procedure in accordance with Clause 6.22 to ensure that the gas piping system is gas-tight at the completion of the work.

1.1 Paragraph (b) of Clause 4.14.6 of CSA B149.1-20 is repealed and the following substituted:

- (b) the clearance between the appliance and the edge of the roof or other hazard shall be at least 6 feet (2 m), but this clearance may be reduced to 3 feet (1 m) if a permanent guard rail or equivalent protection is provided; and .

5 Sections 2 to 6 and 8 to 10 of the Schedule are amended by striking out “CSA-B149.1-15” and substituting “CSA B149.1-20”.

6 Section 2.1 of the Schedule is amended by adding the following clauses after Clause 4.26.1:

4.27 Gas Appliances Installed in Bedrooms and Bathrooms

4.27.1 A gas appliance installed in a bathroom with a door shall be of the direct vent type only.

4.27.2 A gas appliance installed in a closet or a small room having access only through a bathroom, bedroom or bed-sitting room shall be of the direct vent type or have combustion and ventilation air supplied to the closet or small room. If any exhaust fan affects the operation of a gas appliance, the gas appliance shall be isolated from the bathroom using a sealed opening or door closer.

4.27.3 A gas appliance installed in a bedroom shall meet all of the following requirements:

- (a) the appliance must be of the automatic temperature controlled type;
- (b) the appliance must be equipped with a pressure regulator;
- (c) the appliance must have a 100% safety shut-off control valve;
- (d) the appliance must be vented and meet the requirements for combustion air specified by section 8.

4.27.4 A gas appliance (fireplace) installed as a divider between a bedroom and bathroom shall meet all the requirements for an installation in a bedroom. In addition, the gas appliance shall be sealed from the bathroom using material that is impact resistant and thermal shock proof. Clearance to the tub must be maintained to prevent accidental injury from the hot surface of the appliance.

7 The Schedule is amended by adding the following sections:

2.2 Paragraph (a) of Clause 5.6.4 of CSA B149.1-20 is repealed and the following substituted:

- (a) the service regulator is certified to CSA 6.18 and equipped with an overpressure shut-off device that vents gas at a rate not exceeding 2.5 ft³/h (0.0706 m³/h); .

2.3 Clause 6.9.2 of CSA B149.1-20 is repealed and the following substituted:

6.9.2 Piping of NPS 2-1/2 to 4 shall be either press-connect fittings certified to CSA 6.32 (ANSI LC-4) or welded pipe joints. Piping greater than NPS 4 shall be welded pipe joints.

8 *Section 4 of the Schedule is amended by repealing paragraph (d) of Clause 7.18.7 of CSA B149.1-20 and substituting the following:*

- (d) Maintenance of the construction heater is the responsibility of the lessor. This work shall include maintenance of the appliance, regulator, hose and fittings.

9 *Section 7 of the Schedule is repealed.*

APPENDIX 2

1 *Section 3 (d) of the Gas Safety Regulation, B.C. Reg. 103/2004, is repealed and the following substituted:*

- (d) any of the following that is approved under the *Motor Vehicle Safety Act* (Canada):
 - (i) an internal combustion engine;
 - (ii) a turbine;
 - (iii) any other prime mover; .