



INFORMATION BULLETIN

GAS SAFETY REGULATION AMENDMENTS AND NEW GAS SAFETY CODES ADOPTED

Date of Issue: August 25 2016

No: IB-GA-2016-01

Topic: Announcement of Gas Safety Regulation amendments and new gas safety codes adopted

Ministerial Order M 297 deposited as B.C. Reg. 209/2016 (attached to this information bulletin) will come into force effective November 1, 2016. The sections and Schedule to the Gas Safety Regulation that will be amended effective November 1, 2016 are set out in the tables below. The amendments include repeals, substitutions, additions, strikeouts, renumbering and the adoption of new editions of codes.

Work performed under permits taken out from November 1, 2016 onward will require compliance with the new editions of codes adopted under M 297 Appendix 1. Effective the date of this information bulletin, work performed under permits taken out prior to November 1, 2016 may be assessed to either the previous or new edition of the applicable code(s).

The Ministerial Order also adopts, in Appendix 2 of the order, two codes (i.e., CSA B149.2 Propane Storage and Handling Code and CSA Z662 Oil and Gas Pipeline Systems) that will come into force effective November 1, 2017. Details concerning the adoption and implementation of Appendix 2 codes will be forthcoming in future BC Safety Authority documents.

Sections to the Gas Safety Regulation to be amended as follows:

Gas Safety Regulation Section Number	Publisher / Source	Text prior to November 1, 2016	Amended Text Effective November 1, 2016
1 (f)	Gas Safety Regulation, B.C. Reg. 103/2004	(f) is used for the production, handling and utilization of digester gas in a wastewater treatment plant or landfill gas at a landfill site	(f) is used for the production, handling and utilization of (i) digester gas in a wastewater treatment plant, (ii) landfill gas at a landfill site, or (iii) biogas.

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2	Gas Safety Regulation, B.C. Reg. 103/2004	Not included	Adding the following definition: "biogas" means a gas produced in a digester at a location other than at a wastewater treatment plant;, and
2	Gas Safety Regulation, B.C. Reg. 103/2004	" gas " means any of the following: (a) natural gas, manufactured gas, liquefied petroleum gas, digester gas, landfill gas or a mixture or dilution of any of them	" gas " means any of the following: (a) natural gas, manufactured gas, liquefied petroleum gas, digester gas, landfill gas, biogas or a mixture or dilution of any of them
28 (8)	Gas Safety Regulation, B.C. Reg. 103/2004	An individual must not transfer liquefied petroleum gas from one container to another unless the individual has successfully completed a training course that has been approved by a provincial safety manager and holds a certificate issued following that training course.	An individual must not transfer liquefied petroleum gas or liquefied natural gas from one container to another unless the individual has successfully completed a training course that has been approved by a provincial safety manager and holds a certificate issued following that training course.
30 (1) (a)	CSA Group	CSA-B149.1-10 Natural gas and propane installation code	CSA-B149.1-15 Natural gas and propane installation code
30 (1) (c)	CSA Group	CSA-B149.3-10 Code for the field approval of fuel-related components	CSA-B149.3-15 Code for the field approval of fuel-related components on



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		on appliances and equipment	appliances and equipment
30 (1) (d)	CSA Group	CSA-B149.5-10 Installation code for propane fuel systems and tanks on highway vehicles	CSA-B149.5-15 Installation code for propane fuel systems and containers on motor vehicles
30 (1) (e)	CSA Group	CSA-B109-01 Natural gas for vehicles installation code	CSA-B109-14 Natural gas for vehicles installation code
30 (1) (g)	American National Standards Institute/CSA Group	CAN/CGA-B105-M93 (R2007) Code for Digester Gas and Landfill Gas Installations	ANSI/CSA-B149.6-15 Code for digester gas, landfill gas, and biogas generation and utilization
30 (1) (h)	CSA Group	Not Included	CSA-B108-14 Compressed natural gas fuelling stations installation code
30 (1) (i)	CSA Group	Not Included	Annex D, "LNG vehicle fuelling stations", to CAN/CSA-Z276-15 Liquefied natural gas (LNG) - Production, storage, and handling



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The Schedule to the Gas Safety Regulation to be amended as follows:

Schedule Section Number		Text prior to November 1, 2016	Amended Text Effective November 1, 2016
1	Gas Safety Regulation, B.C. Reg. 103/2004	Paragraph (b) of Clause 4.14.6 of CSA-B149.1-10 Natural gas and propane installation code, is repealed and the following substituted	Paragraph (b) of Clause 4.14.6 of CSA-B149.1-15 Natural gas and propane installation code, is repealed and the following substituted
2	Gas Safety Regulation, B.C. Reg. 103/2004	The following clause is added after Clause 4.14.7 of CSA-B149.1-05	The following clause is added after Clause 4.14.7 of CSA-B149.1-15
2.1	Gas Safety Regulation, B.C. Reg. 103/2004	The following clause is added after Clause 4.24.2 of CSA-B149.1-10	The following clause is added after clause 4.25.10 of CSA-B149.1-15
2.1	Gas Safety Regulation, B.C. Reg. 103/2004	4.25 Hydronic Heating Appliances and Equipment	4.26 Hydronic Heating Appliances and Equipment
2.1	Gas Safety Regulation, B.C. Reg. 103/2004	4.25.1 All hydronic heating appliances and equipment must be installed and used in accordance with the manufacturer's instructions, this Code, and clauses 4.5.3.2, 4.5.4, 5.1, 5.3.1, 5.3.2 and 12.4 of the CSA-B214-07 Installation code for hydronic heating systems	4.26.1 All hydronic heating appliances and equipment must be installed and used in accordance with the manufacturer's instructions, this Code, and clauses 4.5.3.2, 4.5.4, 5.1, 5.3.1, 5.3.2 and 12.4 of the CSA-B214-12 Installation code for hydronic heating systems

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3	Gas Safety Regulation, B.C. Reg. 103/2004	The following clauses are added after Clause 6.15.14 of CSA-B149.1-10	The following clauses are added after Clause 6.15.14 of CSA-B149.1-15
3	Gas Safety Regulation, B.C. Reg. 103/2004	6.15.18 Where an underground gas pipe crosses another underground pipe or conduit, a minimum clearance of 2 inches (50 mm) shall be provided either above or below the gas line in accordance with the requirements of section 5.15	6.15.18 Where an underground gas pipe crosses another underground pipe or conduit, a minimum clearance of 2 inches (50 mm) shall be provided either above or below the gas line in accordance with the requirements of section 6.15
4	Gas Safety Regulation, B.C. Reg. 103/2004	The following clauses are added after Clause 7.18.7 of CSA-B149.1-10	The following clauses are added after Clause 7.18.7 of CSA-B149.1-15
5	Gas Safety Regulation, B.C. Reg. 103/2004	The following clause is added after Clause 7.18.10 of CSA-B149.1-10	The following clause is added after Clause 7.18.10 of CSA-B149.1-15
6	Gas Safety Regulation, B.C. Reg. 103/2004	Clause 7.24.4 of CSA-B149.1-10 is repealed	Clause 7.25.4 of CSA-B149.1-15 is repealed.
7	Gas Safety Regulation, B.C. Reg. 103/2004	The following clauses are added after Clause 7.24.5 of CSA-B149.1-10	The following clauses are added after Clause 7.25.5 of CSA-B149.1-15
7	Gas Safety Regulation, B.C. Reg. 103/2004	7.24A Gas Appliances Installed in Bedrooms and Bathrooms	7.25A Gas Appliances Installed in Bedrooms and Bathrooms



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7	Gas Safety Regulation, B.C. Reg. 103/2004	7.24A.1 A gas appliance installed in a bathroom with a door shall be of the direct vent type only	7.25A.1 A gas appliance installed in a bathroom with a door shall be of the direct vent type only
7	Gas Safety Regulation, B.C. Reg. 103/2004	7.24A.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	7.25A.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
7	Gas Safety Regulation, B.C. Reg. 103/2004	7.24A.3 A gas appliance installed in a bedroom shall meet all of the following requirements	7.25A.3 A gas appliance installed in a bedroom shall meet all of the following requirements

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7	Gas Safety Regulation, B.C. Reg. 103/2004	7.24A.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.	7.25A.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.
8	Gas Safety Regulation, B.C. Reg. 103/2004	Clause 8.3.6 of CSA-B149.1-10 is repealed and the following substituted	Clause 8.3.6 of CSA-B149.1-15 is repealed and the following substituted
9	Gas Safety Regulation, B.C. Reg. 103/2004	The following clause is added after Clause 8.8.2 of CSA-B149.1-10	The following clause is added after Clause 8.8.2 of CSA-B149.1-15
10	Gas Safety Regulation, B.C. Reg. 103/2004	The following sections are added after Clause 8.14.12 of CSA-B149.1-10	The following sections are added after Clause 8.14.12 of CSA-B149.1-15
11	Gas Safety Regulation, B.C. Reg. 103/2004	Clause 5.13.4 of CSA-B149.5-10, Installation code for propane fuel systems and tanks on highway vehicles, is repealed	Section 11 of the Schedule is repealed.



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New editions of codes can be ordered from CSA Group at 1-800-463-6727 or online at [Shop CSA - Standards | Training | Subscriptions](#)

A handwritten signature in black ink that reads "Brad Wyatt".

Brad Wyatt
Provincial Safety Manager - Gas

References:

Safety Standards Act, S.B.C. 2003, c. 39, ss. 8 and 88 (2) (s)
Gas Safety Regulation, B.C. Reg. 103/2004,
Ministerial Order M 297 deposited as B.C. Reg. 209/2016

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**PROVINCE OF BRITISH COLUMBIA
REGULATION OF THE MINISTER OF
NATURAL GAS DEVELOPMENT AND MINISTER RESPONSIBLE FOR HOUSING
AND DEPUTY PREMIER**

Safety Standards Act

Ministerial Order No. M297

I, Rich Coleman, Minister of Natural Gas Development and Minister Responsible for Housing and Deputy Premier order that the Gas Safety Regulation, B.C. Reg. 103/2004, is amended

- (a) effective November 1, 2016, as set out in the attached Appendix 1, and
- (b) effective November 1, 2017, as set out in the attached Appendix 2.

Date July 28 /2016

Minister of Natural Gas Development and
Minister Responsible for Housing and
Deputy Premier

(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) (s)

Other: M61/2004

July 7, 2016

R/266/2016/3

APPENDIX 1

- 1 **The definition of “gas system” in section 1 of the Gas Safety Regulation, B.C. Reg. 103/2004, is amended by repealing paragraph (f) and substituting the following:**
 - (f) is used for the production, handling and utilization of
 - (i) digester gas in a wastewater treatment plant,
 - (ii) landfill gas at a landfill site, or
 - (iii) biogas.
- 2 **Section 2 is amended**
 - (a) **by adding the following definition:**
 “biogas” means a gas produced in a digester at a location other than at a wastewater treatment plant; , **and**
 - (b) **in paragraph (a) of the definition of “gas” by adding “, biogas” after “landfill gas”.**
- 3 **Section 28 (8) is amended by adding “or liquefied natural gas” after “liquefied petroleum gas”.**
- 4 **Section 30 (1) (a) to (g) is repealed and the following substituted:**
 - (a) CSA-B149.1-15 Natural gas and propane installation code;
 - (b) CSA-B149.2-10 Propane storage and handling code;
 - (c) CSA-B149.3-15 Code for the field approval of fuel-related components on appliances and equipment;
 - (d) CSA-B149.5-15 Installation code for propane fuel systems and containers on motor vehicles;
 - (e) CSA-B109-14 Natural gas for vehicles installation code;
 - (f) CSA-Z662-07 Oil and gas pipeline systems;
 - (g) ANSI/CSA-B149.6-15 Code for digester gas, landfill gas, and biogas generation and utilization;
 - (h) CSA-B108-14 Compressed natural gas fuelling stations installation code;
 - (i) Annex D, “LNG vehicle fuelling stations”, to CAN/CSA-Z276-15 Liquefied natural gas (LNG) – Production, storage, and handling.
- 5 **Sections 1 and 2 of the Schedule are amended by striking out “CSA-B149.1-10” and substituting “CSA-B149.1-15”.**
- 6 **Section 2.1 of the Schedule is amended**
 - (a) **by striking out “Clause 4.24.2 of CSA-B149.1-10” and substituting “Clause 4.25.10 of CSA-B149.1-15”,**
 - (b) **by renumbering Clause 4.25 as Clause 4.26,**
 - (c) **by renumbering Clause 4.25.1 as Clause 4.26.1, and**

- (d) by striking out “CSA-B214-07” and substituting “CSA-B214-12”.*
- 7 Section 3 of the Schedule is amended**
 - (a) by striking out “CSA-B149.1-10” and substituting “CSA-B149.1-15”, and*
 - (b) in Clause 6.15.18 by striking out “section 5.15” and substituting “section 6.15”.*
- 8 Sections 4, 5 and 8 to 10 of the Schedule are amended by striking out “CSA-B149.1-10” and substituting “CSA-B149.1-15”.**
- 9 Section 6 of the Schedule is repealed and the following substituted:**
 - 6 Clause 7.25.4 of CSA-B149.1-15 is repealed.**
- 10 Section 7 of the Schedule is amended**
 - (a) by striking out “Clause 7.24.5 of CSA-B149.1-10” and substituting “Clause 7.25.5 of CSA-B149.1-15”,*
 - (b) by renumbering Clause 7.24A as Clause 7.25A,*
 - (c) by renumbering Clause 7.24A.1 as Clause 7.25A.1,*
 - (d) by renumbering Clause 7.24A.2 as Clause 7.25A.2,*
 - (e) by renumbering Clause 7.24A.3 as Clause 7.25A.3, and*
 - (f) by renumbering Clause 7.24A.4 as Clause 7.25A.4.*
- 11 Section 11 of the Schedule is repealed.**

APPENDIX 2

- 1 Section 30 (1) (b) and (f) of the Gas Safety Regulation, B.C. Reg. 103/2004, is repealed and the following substituted:**
 - (b) CSA-B149.2-15 Propane storage and handling code;**
 - (f) CSA-Z662-15 Oil and gas pipeline systems; .**