

PROVINCE OF BRITISH COLUMBIA
REGULATION OF THE MINISTER OF FORESTS AND RANGE
AND MINISTER RESPONSIBLE FOR HOUSING

Safety Standards Act

Ministerial Order No. **M 051**

I, Rich Coleman, Minister of Forests and Range and Minister Responsible for Housing, order that

- 1 The Gas Safety Regulation, B.C. Reg. 103/2004, is amended as set out in the attached Schedule 1, and
- 2 The Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation, B.C. Reg. 104/2004, is amended as set out in the attached Schedule 2.

Feb 28 / 07
Date


Minister of Forests and Range 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, s. 88

Other (specify):- oic M61/2004; M62/2004

February 15, 2007

R/89/2007/34

SCHEDULE 1

1 Section 30 of the Gas Safety Regulation, B.C. Reg. 103/2004, is repealed and the following substituted:

Canadian gas standards adopted as B.C. Natural Gas and Propane Code

- 30** (1) In this section, “**national code**” means the following codes or standards:
- (a) the National Standard of Canada CAN/CSA-B149.1-05 Natural Gas and Propane Installation Code, and supplement no.1 (B149.1S1-07);
 - (b) the National Standard of Canada CAN/CSA-B149.2-05 Propane Storage and Handling Code, and supplement no.1 (B149.2S1-07);
 - (c) the National Standard of Canada CAN/CSA-B149.3-05 Code for the Field Approval of Fuel-Related Components on Appliances and Equipment, and supplement no.1 (B149.3S1-07);
 - (d) CSA-B109-01 Natural Gas for Vehicles Installation Code;
 - (e) the National Standards of Canada CAN/CSA-Z662-03, Oil and Gas Pipeline Systems;
 - (f) the National Standard of Canada CAN/CGA-B105-M93 Code for Digester Gas and Landfill Gas Installations;
 - (g) CSA B214-01 Installation Code for Hydronic Heating Systems.
- (2) The national code is adopted by reference, with the changes set out in the Schedule, as the B.C. Natural Gas and Propane Code.

SCHEDULE 2

- 1 Section 4 of the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation, B.C. Reg. 104/2004, is repealed and the following is substituted:*

Adoption of codes and standards

- 4** Each code or standard and portion of a code or standard as listed in the Schedule is adopted.
- 2** *The Schedule is repealed and the following substituted:*

SCHEDULE

ADOPTED CODES AND STANDARDS

- 1** The following codes, standards or parts of a code or standard of the American Society of Mechanical Engineers and the American National Standards Institute (ASME/ANSI) are adopted:
- (a) ASME B31.1 Power Piping 2004 Edition, and 2005 Addenda;
 - (b) ASME B31.3 Process Piping 2004 Edition;
 - (c) ASME B31.5 Refrigeration Piping 2001 Edition, and 2004 Addenda;
 - (d) ASME B31.9 Building Services Piping 2004 Edition;
 - (e) ASME B31.11 Slurry Transportation Piping System 2002 Edition;
 - (f) ASME PTC 25 Pressure Relief Devices 2001 Edition.
- 2** The following codes, standards or parts of a code or standard of the American National Standards Institute and National Board of Boiler and Pressure Vessel Inspectors (ANSI/NB) are adopted:
- (a) ANSI/NB-23 National Board Inspection Code 2004 Edition, and 2006 Addendum;
 - (b) ANSI K61.1 Safety Requirements for the Storage and Handling of Anhydrous Ammonia 1999 Edition.
- 3** The following codes, standards or parts of a code or standard of the American Petroleum Institute (API) are adopted:
- (a) API STD 530 Revision 03 (Errata 03/01/04) Calculation of Heat Tube Thickness in Petroleum Refineries;
 - (b) API 510 Revision 06 Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair and Alteration;
 - (c) API 570 Revision 98 Piping Inspection Code: Inspection, Repair, Alteration and Rerating of In-Service Piping Systems.
- 4** The following codes, standards or parts of a code or standard of the American Society of Mechanical Engineers and American National Standards Institute (ASME/ANSI) are adopted:
- (a) ASME Section I — Rules for Construction of Power Boilers 2004 Edition, and 2006 Addenda;

- (b) ASME Section IV — Rules for Construction of Heating Boilers 2004 Edition, and 2006 Addenda;
 - (c) ASME Section VIII — Rules for Construction of Pressure Vessels, Divisions 1, 2 and 3, 2004 Edition, and 2006 Addenda;
 - (d) ASME Section X — Fibre Glass Reinforced Plastic Pressure Vessels 2004 Edition, and 2006 Addenda;
 - (e) ASME Section XII — Rules for Construction and Continued Service of Transport Tanks 2004 Edition, and 2006 Addenda;
 - (f) ASME CSD-1-2006 Controls and Safety Devices for Automatically Fired Boilers;
 - (g) ASME/ANSI PVHO-1 Safety Standard for Pressure Vessels for Human Occupancy 2002 Edition;
 - (h) ASME/ANSI QAI-1-2005 Qualifications for Authorised Inspection Agencies.
- 5** The following codes, standards or parts of a code or standard of the Canadian Standards Association (CSA) are adopted:
- (a) CSA B51-03 Boiler, Pressure Vessel, and Pressure Piping Code and B51S1-05 (Supplement #1);
 - (b) CSA B52-05 Mechanical Refrigeration Code;
 - (c) CAN/CSA N285.0-06 General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants.
- 6** The following codes, standards or parts of a code or standard of the National Fire Protection Association (NFPA) are adopted:
- (a) NFPA 85 Boiler and Combustion Systems Hazards Code 2004 Edition.
- 7** The standards or parts of the standard of the Tubular Exchangers Manufacturers Association (TEMA) Eighth Edition are adopted.