

**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

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*(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*1 Section 30 of the Gas Safety Regulation, B.C. Reg. 103/2004, is repealed and the following substituted:*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*Section 4 of the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation, B.C. Reg. 104/2004, is repealed and the following is substituted:*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.