

NEW BOILER, PRESSURE VESSEL AND REFRIGERATION CODES ADOPTED

Date of Issue: July 30, 2015

No: IB-BP 2015-01

Topic: Announcement of new boiler, pressure vessel and refrigeration codes adopted

Effective June 9, under Ministerial Order M 165 deposited as B.C. Reg. 113/2015 (attached to this information bulletin), the Schedule to the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation has been amended as set out in the table below. The amendments include adoptions of updated editions of codes. Other editorial changes were also made that are not included in the table.

Schedule Section Number		Text Prior to June 9, 2015	Amended Text Effective June 9, 2015
1 (a)	American Society of Mechanical Engineers (ASME)	ASME B31.1 Power Piping 2012 Edition;	ASME B31.1-2014 Power Piping;
1 (b)	American Society of Mechanical Engineers (ASME)	ASME B31.3 Process Piping 2012 Edition;	ASME B31.3-2014 Process Piping;
1 (d)	American Society of Mechanical Engineers (ASME)	ASME B31.9 Building Services Piping 2011 Edition;	ASME B31.9-2014 Building Services Piping;
1 (f)	American Society of Mechanical Engineers (ASME)	ASME PTC 25 Pressure Relief Devices 2008 Edition.	ASME PTC 25-2014 Pressure Relief Devices.
2	American National Standards Institute and National Board of Boiler and Pressure Vessel Inspectors (ANSI/NB)	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 2013 Edition;	The ANSI/NB-23 National Board Inspection Code 2013 Edition of the American National Standards Institute and the National Board of Boiler and Pressure Vessel Inspectors (ANSI/NB) is adopted. <i>NOTE: No actual change to adopted NB code – editorial.</i>

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		(b) ANSI K61.1-1999/CGA G-2.1-1999 Safety Requirements for the Storage and Handling of Anhydrous Ammonia Fifth Edition.	<i>NOTE: See new section 8 below for CGA G-2.1 changes.</i>
3 (b)	American Petroleum Institute (API)	API 510 Revision/Edition 9 Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair and Alteration;	API 510 Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair and Alteration, Tenth Edition;
5 (a)	Canadian Standards Association (CSA)	CSA B51-09 Boiler, Pressure Vessel, and Pressure Piping Code;	CSA B51-14 Boiler, pressure vessel, and pressure piping code;
5 (b)	Canadian Standards Association (CSA)	CSA B52-05 (R2009) Mechanical Refrigeration Code;	CSA B52-13 Mechanical refrigeration code;
5 (c)	Canadian Standards Association (CSA)	CSA N285.0-08/N285.6 Series-08 General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants / Material Standards for Reactor Components for CANDU Nuclear Power Plants.	CSA N285.0-08/N285.6 Series-12 General requirements for pressure-retaining systems and components in CANDU nuclear power plants / Material Standards for reactor components for CANDU nuclear power plants, including Update No. 1.
6	National Fire Protection Association (NFPA)	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 2011 Edition.	The NFPA 85 Boiler and Combustion Systems Hazards Code 2015 Edition of the National Fire Protection Association (NFPA) is adopted.

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8	American National Standards Institute and the Compressed Gas Association (ANSI/CGA)	<i>No previous section: Contents of new section 8 were previously adopted under Schedule 2 (b) – see above.</i>	The ANSI/CGA G-2.1-2014 Requirements for the Storage and Handling of Anhydrous Ammonia Sixth Edition of the American National Standards Institute and the Compressed Gas Association (ANSI/CGA) is adopted.
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Tony Scholl
Provincial Safety Manager – Boilers and Pressure Vessels

References:

Safety Standards Act SBC 2003, Chapter 39 s. 88 (2) (s)
B.C. Reg. 104/2004 – Power Engineers, Boiler, Pressure Vessel & Refrigeration Safety Regulation

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www.safetyauthority.ca

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. **M 165**

I, Rich Coleman, Minister of Natural Gas Development and Minister Responsible for Housing and Deputy Premier, order that the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation, B.C. Reg. 104/2004, is amended as set out in the attached Appendix.

June 8/2015

Date



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, s. 88 (2) (s)

Other: M62/2004

May 12, 2015

R/264/2015/3

APPENDIX

- 1 *Section 2 (1) of the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation, B.C. Reg. 104/2004, is amended*
 - (a) *in the definition of "code" by striking out "the current edition of a code or standard" and substituting "the applicable code or standard", and*
 - (b) *by repealing the definitions of "CSA B51" and "CSA B52" and substituting the following:*
 - "CSA B51" means CSA Standard B51 Boiler, pressure vessel and pressure piping code;
 - "CSA B52" means CSA Standard B52 Mechanical refrigeration code; .
- 2 *Section 1 of the Schedule is amended by repealing paragraphs (a), (b), (d) and (f) and substituting the following:*
 - (a) ASME B31.1-2014 Power Piping;
 - (b) ASME B31.3-2014 Process Piping;
 - (d) ASME B31.9-2014 Building Services Piping;
 - (f) ASME PTC 25-2014 Pressure Relief Devices.
- 3 *Section 2 of the Schedule is repealed and the following substituted:*
 - 2 The ANSI/NB-23 National Board Inspection Code 2013 Edition of the American National Standards Institute and the National Board of Boiler and Pressure Vessel Inspectors (ANSI/NB) is adopted.
- 4 *Section 3 (b) of the Schedule is repealed and the following substituted:*
 - (b) API 510 Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and Alteration, Tenth Edition; .
- 5 *Section 4 of the Schedule is amended by striking out "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:" and substituting "The following codes, standards or parts of a code or standard of the American Society of Mechanical Engineers (ASME), or the American Society of Mechanical Engineers and the American National Standards Institute (ASME/ANSI), as applicable, are adopted:".*
- 6 *Sections 5 to 7 of the Schedule are repealed and the following substituted:*
 - 5 The following codes, standards or parts of a code or standard of the Canadian Standards Association (CSA) are adopted:
 - (a) CSA B51-14 Boiler, pressure vessel, and pressure piping code;
 - (b) CSA B52-13 Mechanical refrigeration code;
 - (c) CSA N285.0-12/N285.6 Series-12 General requirements for pressure-retaining systems and components in CANDU nuclear power plants/ Material Standards for reactor components for CANDU nuclear power plants, including Update No. 1.

- 6 The NFPA 85 Boiler and Combustion Systems Hazards Code 2015 Edition of the National Fire Protection Association (NFPA) is adopted.
- 7 The Standards of the Tubular Exchanger Manufacturers Association (TEMA) Ninth Edition is adopted.
- 7 *The following section is added to the Schedule:*
 - 8 The ANSI/CGA G-2.1-2014 Requirements for the Storage and Handling of Anhydrous Ammonia Sixth Edition of the American National Standards Institute and the Compressed Gas Association (ANSI/CGA) is adopted.