

Information Bulletin No. IB05-006

November 4, 2005

VARIANCE

(VA05-012)

Variance to Section 5(1) of the Design, Construction and Installation of Boilers and Pressure Vessels Regulations (AR 227/1975)

In accordance with Section 38(1) of the *Safety Codes Act*, a variance is hereby issued to Section 5(1) of AR 227/1975 with amendments up to and including Alberta Regulation 17/2004.

This Variance allows the use of the currently published editions of the codes and standards, earlier editions of which are declared in force in Section 5(1) of AR 227/1975.

Details of Variance

Effective immediately, the following current editions of codes, standards and bodies of rules are permitted to be used with respect to pressure equipment:

- (a) the following provisions of the CSA Standard B51-2003, Boiler, Pressure Vessel and Pressure Piping Code:
 - (i) Part 1, Boiler, Pressure Vessel and Pressure Piping Code, including informative Annex E Inspection of Welds in Pressure Coils Exposed to Direct Radiant Heat;
 - (ii) Part 2, High Pressure Cylinders for the On-board Storage of Natural Gas and Hydrogen as a Fuel for Automotive Vehicles;
 - (iii) Part 3, Compressed Natural Gas and Hydrogen Refuelling Station Pressure Piping Systems and Ground Storage Vessels;
- (b) CSA Standard B52-05, Mechanical Refrigeration Code;
- (c) CSA Standard Z662-2003, Oil and Gas Pipeline Systems;
- (d) ASME Boiler and Pressure Vessel Code - 2004;

- (e) the following sections of the ASME Code for Pressure Piping, B31:
- (i) B31.1-2004, Power Piping, including Appendices A to G, J, II and III;
 - (ii) B31.3-2004, Process Piping, including Appendices A to E, K, L and X;
 - (iii) B31.5-2001, Refrigeration Piping and Heat Transfer Components;
 - (f) American National Standards Institute (ANSI) K61.1-1999, Safety Requirements for the Storage and Handling of Anhydrous Ammonia;
 - (g) National Fire Protection Association NFPA 58, Liquefied Petroleum Gas Code - 2004;
 - (h) Manufacturers Standardization Society of the Valve and Fitting Industry (MSS) Standard Practice SP-25-1998, Standard Marking System for Valves, Fittings, Flanges and Unions;
 - (i) Tubular Exchanger Manufacturers Association (TEMA) Standards of Tubular Exchanger Manufacturers Association (8th edition);

This Variance does not make any changes to [IB03-005](#) regarding use of flanges, flanged fittings and valves and [IB05-001](#) applying to CSA Z662-99 Oil and Gas Pipeline Systems Oilfield Steam distribution Pipelines. Both are Variances issued to Section 5(1) of AR 227/1975.

Background

Codes and Standards are updated on a regular basis. The timing of regulation changes does not always align with the mandatory dates of applicability in various newer editions of the Codes and Standards themselves. Therefore, the list of adopted codes in AR 227/1975 does not reflect the current editions of various Codes and Standards that are in use today.

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