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**A Brief Overview of
Amendments to
Pressure Equipment Safety Regulation (AR49/2006)**

Introduction

The Pressure Equipment Safety Regulation (PESR) has been amended through Alberta Regulation AR138/2011. For full details of the Amendment Regulation, please refer to the link below for the PESR AR 49/2006 with amendments up to and including AR 138/2011:

http://www.qp.alberta.ca/574.cfm?page=2006_049.cfm&leg_type=Regs&isbncln=9780779734825

Brief Overview of Changes to the PESR

- 1) The following updates to the adoption of codes and standards have been made:

The American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) – 2010 Edition with the exception of ASME BPVC, Section VIII, Division 2. Section 6(d.1) of the PESR allows the use of ASME BPVC, Section VIII, Div. 2 – 2004 Edition only. The use of the ASME BPVC, Section VIII, Division 2 Code of 2007 edition or later is allowed through Variance VA11-008 (IB11-011).

ASME Piping Code B31.1, B31.3, B31.5 and B31.9 have been updated to 2010, 2010, 2010 and 2008 respectively

The National Fire Prevention Association (NFPA) standards NFPA 58 for Liquefied Petroleum Gas and NFPA 59 for Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants have been updated to 2011 and 2008 respectively.

American Petroleum Institute (API) 661 Standard for Air-Cooled Heat Exchangers for General Refinery Services has been update to 2006 (6th Edition),

Manufacturers Standardization Society of the Valve and Fitting Industry (MSS) Standard Practice SP-25, Standard Marking System for Valves, Fittings, Flanges and Unions has been updated to 2008;

The Tubular Exchanger Manufacturers Association (TEMA) Standards of Tubular Exchanger Manufacturers Association has been updated to the 9th edition.

- 2) A new Section 6(k) has been introduced to the PESR with the adoption of the ISO 16528 Standard. *For more details on ISO 16528 standard and how the standard may be used, please refer to IB11-013.*
- 3) A definition for “shop inspection” has been added Section 1(1) of the PESR to clarify that shop inspection means inspection by a Safety Codes Officer of any boiler or pressure vessel during and upon completion of construction of pressure equipment in Alberta and accordingly, Section 25 is also revised to clarify this requirement.

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