

Bulletin 2007-30

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New Edition of *CSA Standard Z662: Oil and Gas Pipeline Systems*

The Alberta Energy and Utilities Board (EUB) is informing all oil and gas licence holders and operators that in June 2007 the Canadian Standards Association (CSA) issued *CSA Z662-07: Oil and Gas Pipeline Systems*, which is the latest edition of the *CSA Z662* standard and supersedes all previous editions. In accordance with Section 9 of the *Pipeline Regulation*, *CSA Z662-07* is now in effect, except as otherwise specified by the *Pipeline Regulation*. Licensees and operators must comply with the *Pipeline Regulation*.

The preface of the 2007 edition lists the most significant changes relative to the previous edition and should be carefully reviewed by users. The changes include the following:

- In Clauses 4 and 6, requirements for horizontal directional drilling have been added.
- In Clause 9, requirements for performance and selection of external pipeline coatings have been added.
- In Clause 10, requirements have been added for a documented safety and loss management system, leak detection for oilfield water pipelines, record retention for abandoned pipelines, and liaison with entities proposing excavation in the vicinity of a pipeline. The requirements for engineering assessment have been expanded, and the requirements for crossings, temporary repairs, and maintenance welding have been modified.
- In Clause 13, the requirements for reinforced composite pipes, thermoplastic-lined pipelines, and gas-gathering, multiphase, low-vapour-pressure, or oilfield-water-service polyethylene pipelines have been modified.
- Clause 16 has been added to consolidate requirements for sour service pipelines (including the previous mandatory Annex M).
- Clause 17 has been added to provide requirements for composite-reinforced steel pipelines for non-sour service.
- Annex A has been added to provide a recommendation for a safety-and-loss management system that conforms to the requirements of Clause 10.
- Annex I (non-mandatory) has been added to provide alternative provisions for oilfield steam distribution pipelines based on ASME B31.3 design methodology.
- Annex M (non-mandatory) has been added to provide guidelines for integrity management for gas distribution systems.

- Annex N has been added to provide requirements for pipeline integrity management programs, which are mandatory for sour service pipelines and were adopted by the EUB in July 2006 for all pipelines.
- Annex O has been added to provide an alternative pipeline design methodology for non-sour natural gas pipelines based on hazard assessment and life-cycle reliability targets.

Questions regarding this bulletin may be directed to the EUB Compliance, Environment, and Operations Branch, Operations Group, Pipeline Section, by telephone at (403) 297-3367.

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