

Propane Storage Tanks Designed for 200 PSIG

PURPOSE

This bulletin has been jointly developed by Alberta Municipal Affairs, the Pressure Equipment Sub-Council, the Alberta Boilers Safety Association (ABSA) and the Safety Codes Council to inform industry of the requirements associated with the use of Propane Storage Tanks Designed for 200 PSIG.

DISCUSSION

The continued operation of Propane Storage Tanks Designed for 200 PSIG is permissible provided that they are maintained properly, have the required fittings and are not relocated.

CODE REFERENCES

The **Safety Codes Act**, through the **Pressure Equipment Safety Regulation** adopts **NFPA 58 Liquefied Petroleum Gas Code**.

NFPA 58 allows propane storage tanks that were designed for 200 psig in accordance with paragraphs U68 or U69 of the 1949 (or earlier) edition of the ASME Code to be operated with a pressure relief valve set at 250 psig.

The **Safety Codes Act**, through the **Gas Code Regulation AR 111/2010**, adopts the **CSA B149.2-15 Propane storage and handling code**, and clause 7.1.1 states the following:

Subject to Clause 5.2.3b), a tank shall have a maximum allowable working pressure (MAWP) of not less than 250 psig (1.72 MPa) and the tank and its PRD shall be in compliance with CSA B51 and applicable provincial or territorial regulations covering unfired pressure vessels.

Note: For information regarding inspection and servicing of PRDs, see Annex R.

APPLICATION

All other applications of LPG tanks rated for an MAWP of less than 250 psig (1750 kPa) are considered unacceptable.

If propane suppliers are concerned about the status of a particular tank or tanks registration, they could contact the Alberta Municipal Affairs office, visit the Web site, www.municipalaffairs.alberta.ca/cp_index.cfm, the local Alberta Boilers Safety Association (ABSA) office or visit ABSA Web site, <http://www.absa.ca/> for further information.

Issue of this STANDATA is authorized by the Gas Administrator and the Pressure Equipment Administrator

[Original Signed]
Sidney Manning

Mike Poehlmann

The logo for the province of Alberta, featuring the word "Alberta" in a stylized, cursive font with a small blue square at the end of the word.

INTERPRETATION

While Alberta will not accept 200 psig tanks that are being rejected in other provinces, 200 psig tanks with a history of safe operation in Alberta would be allowed to remain in service. These tanks are stamped with an identification number, generally known as an "A-number". The format of the "A-number" is a capital A within a circle followed by numerals. Some older vessels are stamped with an "AL-number" of similar format.