



DIRECTIVE

PROPANE STORAGE TANKS WITH A MAXIMUM ALLOWABLE WORKING PRESSURE OF 200 PSIG

This directive is being issued by a provincial safety manager pursuant to section 30 of the Safety Standards Act.

Date of Issue: October 25, 2016

Directive No: D-BP-2016-02

General Details

This directive sets out the requirements that must be met for the continued operation of propane storage tanks that were manufactured with a maximum allowable operating pressure (MAWP) of 200 psig (1380 kPa).

Propane tanks that are within the scope of this directive include tanks that were manufactured with a MAWP of 200 psig in accordance with CSA B51 Boiler, Pressure Vessel and Pressure Piping Code (B51) and / or one of the following codes:

- 1) Paragraphs U60 or U69 of the 1949 (or earlier) edition of the ASME Boiler and Pressure Vessel Code Section VIII Division 1; or
- 2) Paragraphs U200 or U201 of the 1949 (or later) edition of the ASME Boiler and Pressure Vessel Code Section VIII Division 1

Specific Details

Propane storage tanks that were manufactured with a MAWP of 200 psig are permitted to remain in continued operation, provided that the following requirements are complied with:

- 1) For tanks manufactured in accordance with paragraphs U60 or U69 of the 1949 (or earlier) edition of American Society of Mechanical Engineers (ASME) Code section VIII-1, the following requirements are applicable:
 - a. The tank shall have been inspected by a qualified and competent person and verified to be safe for continued operation within a five (5) year time period immediately prior to November 1, 2017.
 - b. The tank shall be fitted with a pressure relief valve with a maximum set pressure of 250 psig and minimum relieving capacity as specified in National Fire Protection Association - 58 - Liquefied Petroleum Gas Code (NFPA-58).
 - c. The tank is permitted to remain in operation at its current location only and shall not be moved and placed into operation at a different location after the date of issuance of this directive.
- 2) For tanks manufactured in accordance with paragraphs U200 or U201 of the 1949 (or later) edition of ASME Code Section VIII-1, the following requirements are applicable:
 - a. The tank shall have been inspected by a qualified and competent person and verified to be safe for continued operation within a five (5) year time period immediately prior to November 1, 2017.

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- b. The tank shall be re-rated in accordance with NB-23 National Board Inspection Code to increase the MAWP from 200 to 250 psig. The tank re-rating documentation including revised calculations, inspection records and any other required documents shall be submitted to BCSA for design registration prior to November 1, 2017.
- c. The tank shall be fitted with a pressure relief valve with a maximum set pressure of 250 psig and minimum relieving capacity as specified in NFPA-58.

Compliance Dates

Owners of propane tanks are responsible to comply with the requirements of this directive no later than November 1, 2017.

Propane tanks that do not comply with the requirements of this directive by November 1, 2017 are not acceptable for continued operation and shall be removed from operation no later than May 1, 2018

Enforcement

BCSA will begin enforcing requirements in accordance with the compliance dates set out in this directive. BCSA reserves the right to require immediate action to prevent, avoid or reduce a risk of personal injury or damage to property.

Definitions

Propane Storage Tank – a “Tank” means the class of container for the storage of compressed natural gas or propane, designed and fabricated in accordance with CSA B51. (stated in CSA B149.2 Propane Storage and Handling Code Code, section 3)

In Operation – means a propane tank pressurized above 103 kPa (15 psig) and with relief valves set at a pressure of greater than 103 kPa (15 psig)

A handwritten signature in black ink, appearing to read "T. Scholl".

Tony Scholl
Provincial Safety Manager - BPVR

References:

CSA B51 Boiler, Pressure Vessel and Pressure Piping Code
CSA B149.2 Propane Storage and Handling Code
NFPA 58 - Liquefied Petroleum Gas Code
ASME Boiler and Pressure Vessel Code Section VIII

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