

Liquefied Petroleum Gas Storage Vessel Installations

This bulletin has been jointly developed by Safety Services, Boilers and Pressure Vessels Sub Council, the Alberta Boilers Safety Association (ABSA) and the Gas-Sub Council to inform the propane industry of the requirements associated with the installation of Liquefied Petroleum Gas (LPG) Storage Vessels in domestic and commercial applications.

1. ABSA shall be responsible for the design review and registration of all LPG vessels. New construction inspection of all LPG vessels built in Alberta shall be performed by ABSA Safety Codes Officers. ABSA Safety Codes Officers will also be involved when alterations or repairs to these pressure vessels are being considered.
2. For LPG storage vessels up to 10 cubic metre capacity in domestic and commercial use, the installation inspections will be carried out under the *Gas Code Regulation* by Level I Gas Safety Codes Officers.
Gas initial inspections shall include verification of:
The installation inspections under the *Gas Code Regulation* and B149.1 and B149.2 shall include but not be limited to the verification of:
 - Location¹, with respect to property lines, buildings, adjacent tanks, etc.;
 - Protection from physical damage;
 - Fencing;
 - Posting of warning signs; and
 - Dispensing points and other applicable requirements
3. For LPG storage vessels over 10 cubic metre capacity in domestic and commercial use², initial inspections to be carried out by ABSA Safety Codes Officers. Installation inspection to be carried out under the *Gas Code Regulation* by Level I Gas Safety Codes Officers as indicated above.
ABSA initial inspections shall include verification of:
 - Vessel nameplate information (CRN, design pressure, design temperature, etc.) against the Manufacturer's Data Report;
 - Safety valve (size, capacity and code stamping);
 - Manway requirements;
 - Assignment and application of the Alberta Identification Number [(A) number];
 - Entry to ABSA's boiler and pressure vessel registration database.

¹ Location distances for LPG vessel installations must comply with Federal requirements, if specified, in areas under Federal Jurisdiction.

² Commercial use shall include facilities where the storage vessels are used for vehicular fuel filling, fuel dispensing, commercial construction site usage, and all other fuel uses, but does not include propane when used as a feedstock in a petroleum refinery or chemical plant.



Issue of this STANDATA is authorized by
the Chief Gas Administrator and
the Chief Boilers and Pressure Vessels Administrator



All In-service tanks should be inspected by competent persons with training in tank inspection and typical tank defects and in the action to take when defects are found. The Canadian Propane Association offers this type of training.

If propane suppliers are concerned about the status of a particular tank or tanks registration, they could contact the Alberta Municipal Affairs, Safety Services 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.

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