



Bulletin

December 11, 2015

Subject:

Temporary Construction Heat

Background:

There are certain permit requirements when using temporary heat on a construction site. The builders, rental companies, installers, and natural gas/propane suppliers are responsible for meeting the basic permit requirements, to ensure safety on site.

Advisory:

As per the Safety Codes Act, under the permit regulation AR 204/2007, permits are required to install, alter or add to a gas system. This includes:

- Installing propane and natural gas construction heaters.
- Gas piping and tubing, hose and fittings from the gas supply.
- All propane containers with a capacity of greater than 454 litres water capacity or when containers are manifolded together, the aggregate capacity of the containers exceed 454 litres water capacity.
- Propane vaporizers when required.

All other gas-fired appliances used for temporary heat on construction sites require a permit. Do not start any construction prior to a permit being issued. Permits will only be issued to a **qualified gasfitter** for gas-fired equipment installation. However, a propane tank set permit may be issued to someone who has completed adequate training acceptable to the administrator, for propane tank installation only.

Reference:

The Natural Gas and Propane Installation Code (CAN/CSA-B149.1-15) under Clause 7.18 contain the minimum requirements for construction heaters and torches.

The Propane Storage and Handling Code (CAN/CSA-B149.2-15) under Clauses 6 and 7 contain the minimum requirements for cylinder and tank installations.

Note:

Natural gas fuel supply

Residential builders utilizing Single Construction Permits (SCP'S) that include the Temporary Gas process must book an inspection at anytime up to and including the Pre-Board phase. This inspection is solely for the gas hose and one or more construction heaters connected to temporary gas outlet at the gas meter. This inspection will not include an inspection of the gas piping system and/or appliances serving the building.

All other projects requiring temporary heat will require a Temporary Gas Permit covering all associated piping, hoses, fittings and heaters for each gas purveyor's supply riser. If reflected in the permit values, there is no limitation to the number of heaters or quantity of piping.

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Propane fuel supply

Heaters require one Temporary Gas Permit per building, regardless of the propane fuel supply size.

One Temporary Gas Permit per building is required if either a single container with a water capacity greater than 454 litres or containers that are manifolded together exceed 454 litres total water capacity.

Propane containers and heaters supplied by the same individual may be included under one permit, provided it is reflected in the permit values.

Definitions

Construction heater: a portable direct-fired unvented heater intended only for temporary use in heating buildings under construction, alteration, or repair.

Tank: (with respect to NGV/propane storage) the class of container for the storage of compressed natural gas/propane designed and fabricated in accordance with CSA B51.

Gas hose: a factory-fabricated flexible hose assembly and related fittings designed to convey gaseous fuel from a gas supply piping to the gas inlet to an appliance.

Container: (with respect to NGV/propane storage) either a cylinder or a tank.

Cylinder: a container designed and manufactured in accordance with a cylinder specification authorized for the containment and transportation of propane under the Transportation of Dangerous Goods (TDG) Regulations of Transport Canada.

Tank: (with respect to NGV/propane storage) the class of container for the storage of compressed natural gas/propane, designed and fabricated in accordance with CSA B51.

Direct-fired vaporizer: a vaporizer in which heat furnished by a flame is directly applied to a heat exchange surface in contact with the liquid propane to be vaporized.

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