

Fuel Safety Bulletin

2008-07

Conversion of existing oil/propane boilers to natural gas

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This policy refers to the conversion of *existing, Certified, in-service* boilers for which the manufacturer does not make a certified gas conversion burner, one for which the manufacturer is no longer in business, or one into which the installer will install a burner not tested and certified for use in the particular boiler.

New boilers must be certified for the fuel to be used.

Boilers must bear a recognized certification mark in order to be eligible for conversion.

The following information shall be submitted to Fuel Safety Section for plan review prior to starting the conversion. Upon review of the submitted documents Fuel Safety Section may or may not grant approval for the boiler to be converted.

The Fuel Safety Section will require that a testing agency such as CSA perform the evaluation.

1. A letter from the Boiler manufacturer or Burner manufacturer, on company letterhead, stating that the burner (make, model and serial number) is compatible with the appliance (make model and serial number). The letter shall also include, as a minimum, the following supporting documentation;
 - a. Combustion chamber geometry,
 - b. Flame dimensions,
 - c. Min and max pressures, and
 - d. Required combustion setup (acceptable O₂, CO, CO₂ and stack temperatures).
2. A letter stating that the boiler will be thoroughly cleaned and inspected before conversion, and
3. A CSA Special Inspection form and the applicable fee. This form is available from our website at; http://www.gov.ns.ca/snsmr/forms/pdf/fuel_safety/Application_for_CSA_Special_Appliance_Label.pdf
4. Upon startup, forward a copy of the commissioning report to Fuel Safety.

NOTES:

1. **Please note that this procedure applies ONLY to boilers bearing a recognized certification mark. Existing, uncertified boilers, will NOT be considered for field conversion.**

- 2. It is the responsibility of the Gas Technician involved in a conversion, to ensure that all aspects of the appliance (boiler) installation fully comply with the presently adopted CSA B149 codes. This includes, but is not limited to, clearances, the venting system (chimney and breaching), the boiler room air supply and ventilation air, and the gas supply system. Special care must be taken as many aspects of these boiler installations never met any applicable codes. There is no “Grand fathering” of any aspect of the existing installation.**

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