

Fuel Safety Bulletin

2008-06

Upgrading of existing certified oil-fired boilers to newer oil burners

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This policy refers to *existing, in-service* boilers, bearing a recognized certification mark, for which the manufacturer does not make a new burner, one for which the manufacturer is no longer in business, or one into which the installer wishes to install a burner, or burner management system, not tested and certified for use in the particular boiler or appliance.

NOTE #1: Newly installed boilers must be certified for the fuel to be used and have the burner for which the certification of the unit applies.

NOTE #2: The installation of a burner, or management system, other than the one with which the boiler is certified, voids the certification of the unit and makes it illegal for use in this province.

The following information shall be submitted to Fuel Safety Section for plan review prior to starting any burner or control system change. Upon review of the submitted documents Fuel Safety Section may or may not grant approval for the change.

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. Minimum and maximum 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 (contact us for the fee). This form is available from our website at;
http://www.gov.ns.ca/snsmr/forms/pdf/fuel_safety/Special_Appliance_Label_Application_rev03.pdf

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