



Fuels Safety Program	Ref. No.: FS- 072- 06	Rev. No.: 7
DIRECTOR'S PUBLIC SAFETY ORDER	Date: January 13, 2006	Date: August 25, 2011

**IN THE MATTER OF:
THE TECHNICAL STANDARDS AND SAFETY ACT, 2000,
S.O. 2000, c. 16**

- and -

**ONTARIO REGULATION 212/01 made under the
Technical Standards and Safety Act, 2000
(Gaseous Fuels)**

Subject: Existing Natural Gas and Propane Fired Natural Draft Hot Water Boilers Equipped with a Draft Control Device with an Input less than 300 000 BTUH installed in a Residential Building Intended for One or Two Families

Sent to: Gaseous Fuels Advisory Council, Propane Fuels Advisory Council, TSSA Fuels (Natural Gas and Propane) Registered Contractors, and TSSA G1, G2, G3 and GUT Certificate Holders

Pursuant to subsection 31.2 of the *Technical Standards and Safety Act, 2000*, the Director hereby orders the following:

- 1.(1) When a certified G1, G2, G3 or GUT gas technician enters a residential building intended for one or two single families to carry out service, maintenance and/or emergency response work within the scope of his/her certificate, the gas technician shall:

Determine if a natural draft boiler equipped with a draft control device and with an input less than 300,000 BTUH is installed in the building. Where such a boiler is installed, the gas technician shall take the following steps unless a valid boiler inspection label as identified in paragraphs (e) and (f) is affixed to the boiler.

- (a) The gas technician shall provide the homeowner/user with the Owner/User Information Sheet (Schedule "A") that outlines the technician's requirement to inspect and take corrective action where necessary and the homeowner's responsibility to properly maintain their fuel burning equipment.
- (b) The gas technician shall take a CO reading in the flue gas upstream of the draft control device (between the heat exchanger and the draft control device) with the boiler operating at steady state under normal operating conditions. If the CO reading exceeds 100 PPM*, the boiler shall be considered an immediate hazard and the gas technician shall:

* An actual reading of 100 PPM (not air free sample) in the flue indicates that the CO level of the appliance exceeds the acceptable level.

- (i.) Take immediate corrective action to address areas of concern including, but not limited to:
- cleaning boiler flue passages and cleaning the burner. If the boiler operation cannot be corrected so that the reading is below 100 PPM, immediately shut off the fuel supply to the boiler, provide notice to the user and distributor and affix a notice to the boiler as outlined in subsections 13.(2) and 13.(3) of ONTARIO REGULATION 212/01 (Gaseous Fuels);
- (c) The gas technician shall visually inspect the boiler for safe operation.
- If there are signs of spillage (such as discolouration on the burner door or near the draft control device, or excessive moisture in the boiler room), a depressurization test as outlined in Schedule “C” shall be performed. If the test demonstrates that there is a depressurization issue, then take appropriate action such as adding adequate combustion and make-up air.
 - If there are signs of condensation due to excessively low return water temperatures, take appropriate action such as installing a water bypass piping system in accordance with manufacturer’s requirements or recommendations.
- (d) A carbon monoxide alarm certified to CSA-6.19-01 shall be installed in accordance with the carbon monoxide alarm’s installation instructions and located in the sleeping area or adjacent to each sleeping area in every suite of the home.
- (e) If the boiler operation is satisfactory and found with a CO reading below 100 PPM, and the CO alarm(s) are installed, a boiler inspection tag (Schedule “B”) shall be affixed to the boiler.
- (f) The boiler inspection tag affixed to the boiler shall expire on May 1, 2012

1.(2) This Order is effective October 15, 2011 and expires on May 1, 2012

Dated at Toronto this 25th day of August, 2011



ORDERED BY:

John R. Marshall
Director, Gaseous Fuels Regulation,
Technical Standards and Safety Act, 2000