



Environmental Choice^M Program Panel Review Process

VERIFICATION AND LICENSING CRITERIA CCD-012

Product Type: Gas-Fired Condensing Hot Water Heating Boilers

Notice

Throughout this document, any reference to a standard or guideline means to its latest edition.

The Environmental Choice^M Program (ECP) reserves the right to accept equivalent test data for the test methods specified in this document.

Interpretation

1. In this set of requirements, please note the following definitions:

“ANSI” means American National Standards Institute.

“ASME” means American Society of Mechanical Engineers.

“DIN” means Deutsches Institute für Normung e. V. (German national standards association).

“IAS” means International Approval Services

General Requirements

2. In order to minimize the solid waste burden, conserve resources, and reduce quantities and impacts of toxic substances and other pollutants associated with packaging, the ECP requires the submission of an attestation of commitment to the objectives of the National Packaging Protocol.
3. To be authorized to carry the EcoLogo^M, the *Gas-Fired Condensing Hot Water Heating Boilers* must:
 - (a) meet or exceed all applicable governmental and industrial safety and performance standards; and

- (b) be provided in such a manner that all steps of the process, including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts, by laws and regulations including, for facilities located in Canada, the *Fisheries Act* and the *Canadian Environmental Protection Act (CEPA)*.

Product Specific Requirements

- 4. To be authorized to carry the EcoLogo, the *Gas-Fired Condensing Hot Water Heating Boilers* must:
 - (a) demonstrate emission rates for NO_x of 94 mg / kWh or less, and an emission level for CO of 40 ppm or less when measured according to *DIN EN 437- Testing Gases, Testing Pressures*;
 - (b) demonstrate combustion efficiencies of 88% or greater;
 - (c) conform to ANSI Z21.13 - *Gas Fired Low Pressure Steam and Hot Water Boilers*;
 - (d) conform to all applicable ASME Standards for *Class "H" Heating Boilers*;
 - (e) the manufacturer must be certified by the IAS.

Verification

- 5. To verify a claim that a service meets the criteria listed in this document, the ECP will require access, as is its normal practice, to relevant quality control and production records and the right of access to production facilities on an announced basis.
- 6. Compliance with requirement 3(b) shall be attested to by a signed statement of the Chief Executive Officer or the equivalent officer of the licensee. The ECP shall be advised in writing immediately by the licensee of any noncompliance which may occur during the term of the license. On the occurrence of any noncompliance, the license may be suspended or terminated as stipulated in the license agreement.

Conditions for EcoLogo Use

- 8. The EcoLogo may appear on retail or wholesale products, signs or sign boards, point-of-purchase displays, delivery vehicles, and any accompanying advertising or corporate literature provided the service meets the requirements in this document.
- 9. All licensees and authorized users must comply with the ECP's *Guide to Proper Use of the EcoLogo^M* regarding the format and usage of the EcoLogo.
- 10. Any accompanying advertising must conform with the relevant requirements stipulated in this guideline, the license agreement and the ECP's *Guide to Proper Use of the EcoLogo^M*.