



## **Environmental Choice<sup>M</sup> Program Panel Review Process**

# **VERIFICATION AND LICENSING CRITERIA CCD-117**

**Product Type: Advanced Wastewater Treatment System**

### Notice

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

The Environmental Choice<sup>M</sup> 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:

"BOD<sub>5</sub>" or "biological oxygen demand, 5-day" means the amount of dissolved oxygen required for the biodegradation of the organic matter in water, when tested in accordance with the 5 day test set out in the *Standard Methods for the Examination of Water and Waste Water*, latest edition, Sub-part 5210, jointly published by the American Public Health Association, the American Water Works Association and the Water Pollution Control Federation;

"CFU" means colony forming unit;

"chlorine" means an element of the halogen group which is often used as a disinfectant in water treatment;

"coliform" is a group of bacteria whose presence in water indicates that other pathogenic bacteria may also be present;

"NSF" means National Sanitation Foundation International;

“ozone” means an unstable molecule, O<sub>3</sub> produced when oxygen decomposes in the presence of high voltage and electrical discharge;

"TSS" or "total suspended solids" means any solid matter that is found to be in effluent when tested in accordance with the test for total suspended solids dried at 103°C to 105°C set out in the *Standard Methods for the Examination of Water and Waste Water*, latest edition, Sub-part 2540, Sections A to E, jointly published by the American Public Health Association, the American Water Works Association and the Water Pollution Control Federation.

### 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<sup>M</sup>, the *Advanced Wastewater Treatment System* must:
  - (a) meet or exceed all applicable governmental and industrial safety and performance standards; and
  - (b) be manufactured and transported 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<sup>M</sup>, *the Advanced Wastewater Treatment System* must:
  - (a) perform such that the resulting effluent from the system meets the following levels:
    - (i) BOD<sub>5</sub> < 10ppm,
    - (ii) TSS < 10ppm, and
    - (iii) faecal coliform < 400 CFU/100ml;

- (b) not require the addition of chlorine for the degradation process except as required by regulation;
- (c) comply with NSF-40, *Individual Aerobic Wastewater Treatment Plants* if sold in the United States;
- (d) have appropriate approvals from Ministries of Health or Environment or as required by the jurisdiction in which the product is being sold;
- (e) be accompanied by detailed instructions for installation and maintenance.

#### Verification

- 5. To verify a claim that a product 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

- 7. The EcoLogo may appear on wholesale or retail packaging, or on the product itself, provided that the product meets the requirements in this document.
- 8. All licensees and authorized users must comply with the ECP's *Guide to Proper Use of the EcoLogo<sup>M</sup>* regarding the format and usage of the EcoLogo.
- 9. 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<sup>M</sup>*.