

7083.4000 PRODUCT REVIEW AND REGISTRATION PROCESS.**Subpart 1. General.**

A. The commissioner shall develop a product review and registration process and maintain a list of registered sewage treatment and distribution products for SSTs.

B. The commissioner shall develop recommended standards and guidance to assist local units of government in permitting different types of sewage treatment technologies and sewage distribution technologies, including the following five categories:

- (1) public domain treatment technologies, such as sand filters;
- (2) proprietary treatment technologies, such as manufactured aerobic treatment systems;
- (3) public domain distribution technologies, such as drainfield rock or generic drainfield rock substitutes;
- (4) proprietary distribution technologies, such as gravelless distribution products; and
- (5) proprietary drip dispersal systems.

C. Sewage technologies shall have standards described in this chapter or agency recommended standards and guidance before local units of government are allowed to permit them. Recommended standards and guidance must include information and detail, such as application, design, installation, operation, monitoring and maintenance, and performance expectations, and sources of the information.

Subp. 2. Proprietary treatment products; certification and registration.

A. To qualify for product registration, manufacturers desiring to sell or distribute proprietary treatment products shall:

- (1) verify product performance through testing using the testing protocol established in Table I in part 7083.4010 and register their product with the commissioner using the process described in parts 7083.4000 to 7083.4120;
- (2) report test results of influent and effluent sampling obtained throughout the testing period, including normal and stress loading phases, for evaluation of constituent reduction according to Table II in part 7083.4020;
- (3) demonstrate product performance according to Table III in part 7083.4030. All 30-day averages and geometric means obtained throughout the test period must meet the identified threshold values to qualify for registration at that threshold level; and

(4) verify bacteriological reduction according to part 7083.4060, for registration at Levels A and B in Table III in part 7083.4030.

B. Manufacturers verifying product performance through testing according to the following standards or protocols must have product testing conducted by a qualified, third-party testing facility. Product performance testing must be consistent with the following:

(1) National Sanitation Foundation (NSF) International, Residential Wastewater Treatment Systems, Standard 40 (July 2000). The standard is incorporated by reference, is available through the Minitex interlibrary loan system, and is not subject to frequent change;

(2) National Sanitation Foundation (NSF) International, Wastewater Treatment Systems - Nitrogen Reduction, NSF/ANSI 245 (2007). The standard is incorporated by reference, is available through the Minitex interlibrary loan system, and is not subject to frequent change;

(3) Environmental Protection Agency (EPA) and National Sanitation Foundation (NSF), Protocol for the Verification of Wastewater Treatment Technologies (April 2001). The protocol is incorporated by reference, is available through the Minitex interlibrary loan system, and is not subject to frequent change;

(4) Environmental Protection Agency (EPA) Environmental Technology Verification (ETV) Program, Protocol for the Verification of Residential Wastewater Treatment Technologies for Nutrient Reduction (November 2000). The protocol is incorporated by reference, is available through the Minitex interlibrary loan system, and is not subject to frequent change;

(5) European Committee for Standardization (CEN), Small Wastewater Treatment Systems for up to 50 PT - Part 3: Packaged and/or Site Assembled Domestic Wastewater Treatment Plants, EN 12566-3 (October 2003). The standard is incorporated by reference, is available through the Minitex interlibrary loan system, and is not subject to frequent change;

(6) protocol for bacteriological reduction described in part 7083.4060; and

(7) other equivalent protocols and standards consistent with the standards and protocols in subitems (1) to (6) to verify product performance as approved by the commissioner.

C. Treatment levels used in part 7083.4030 are not intended to be applied as field compliance standards. Their intended use is to establish treatment product performance in a product testing setting under established protocols by qualified testing entities.

Statutory Authority: *MS s 115.03; 115.55*

History: *32 SR 1420; 35 SR 1353*

Published Electronically: *March 11, 2011*