

Required Information for the Review of Water Treatment Devices - Safety and Buildings Division

A completed Plumbing Product Review application form (SBD-7966) must be submitted by the applicant along with the appropriate fee. The fee schedule appears on the application form. The following information must be submitted with each application form:

- A.** If your product **is** currently listed under NSF International Standards 42, 53, 55, 58, or 62 by an American National Standards Institute (i.e. ANSI) accredited listing agency [e.g. NSF International (NSF), Underwriters Laboratories (U.L.), Water Quality Association (WQA)], then submit the following:
- a. A current copy of each applicable listing(s).
 - b. A copy of **all** product literature (e.g. owner's manual, installation and operating instructions), labeling and promotional materials (e.g. sales literature, audio and video presentations).

The listing(s) must be current and include all model numbers displayed on the application form submitted. Acceptable data must be submitted to support any performance claims made for the product that are not included in the listing(s).

S&B staff reserve the right to request any specific performance test data required to make a final determination on a product.

- B.** If your product **is not** listed by an ANSI accredited listing agency, then submit the following:
1. A copy of all promotional materials (e.g. sales literature, audio and video presentations) that will be used with the device in Wisconsin.
 2. A written detailed description of the product.
 3. Detailed assembly drawings.
 4. All product labeling.

For examples of what information is typically required to appear on an acceptable label consult the appropriate national standard from item #9 of this list.

5. Complete installation instructions, including detailed installation drawings indicating all connections between the product and a plumbing system.
6. Specifications for all wetted (i.e. water contacting) materials of construction. All wetted materials of construction must also be documented as acceptable for contact with potable water. Examples of acceptable documentation include:
 - a. For materials that are listed by NSF, U.L. or WQA specify the manufacturers name, material, trade designation, the standard the material is listed under and that the material is listed by NSF, U.L. or WQA.

- b. The results of a chemical extraction test performed in accordance with the appropriate NSF standard.
 - c. For materials that are accepted for repeat use food contact by the United States Food and Drug Administration (FDA), specify the manufacturer's name, material, trade designation and the specific Code of Federal Regulations (CFR) number.
 - d. For metallic materials, specify the percentage composition of each metal or alloy.
7. A list of all standards to which the product conforms with. For a list of commonly used, nationally recognized industry standards see item #9 of this list.
 8. The trade name, scientific name and chemical formula of any chemical used in the product that may be added to or leached into the water as part of the treatment process or as a results of the treatment process. Documentation must be included showing that these chemicals are accepted for use with potable water by the EPA, FDA, NSF, U.L. or WQA, or other national agency acceptable to the department.

Products that contain a media or substance that requires the sacrificial release of regulated contaminants to reduce specific contaminants from water must include effluent monitoring for the contaminant in conjunction with all effluent samples. An example of this type of media is copper/zinc media.

9. A signed report, by an independent testing laboratory or the manufacturer, which concludes that the product performs in accordance with the assertions submitted to the department. The test report must be complete enough to verify an acceptable testing protocol was used and to identify the laboratory that performed the testing. Acceptable testing protocols include those specified in the following standards:

NSF/ANSI International Standards 42, 53, 55, 58 or 62
 WQA Standards S-100, S-200, S-300 or S-400

If varying from the testing protocols contained in these standards, it is **strongly** recommended that the variations be accepted by this department in writing **prior to** performing any testing on the product. Otherwise we cannot guarantee that the results of the testing will be accepted.

For products that are not covered by the given NSF or WQA Standards, then contact this department for an acceptable testing protocol.

10. A graph indicating the pressure loss, in psig, through point-of-entry (i.e. whole house) products, over the entire flow rate range of the device. Point-of-use products are exempt from this requirement.
11. A hydrostatic pressure test. As a minimum, we require a hydrostatic pressure test be performed at 150 psig, for a duration of fifteen minutes, at a water temperature of approximately 73.4° F. This information is only required for in-line products subject to line pressure. Products that discharge to atmosphere are exempt from this requirement.
12. An operation and maintenance manual or instructions. For examples of minimum information which should be included in the manual or instructions, see the appropriate standard from item #9 of this list.

Other Information

- Products that are private labeled (i.e. manufactured by one company but labeled for another) require separate submittals.
- If granted, the term of an approval is five years. All manufacturers are notified six months prior to their expiration date via a renewal application and instructions. Approvals can be renewed for additional five years terms (\$125 renewal fee). Products can also be revised (modified) after being approved, however, the manufacturers must apply for a revision (\$125 revisions fee). If an approved plumbing product is modified or additional assertions of function or performance are made, the approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- Carafe type, pour-through water filters are exempt from the product review process because they are not installed in or on a water supply system.
- Cation exchange water softeners that are listed by an ANSI accredited listing agency (e.g. NSF, U.L., WQA) as conforming to NSF Standard 44 are exempt from the product review process.
- The scope of Wisconsin's water treatment device review program is limited to devices serving:
 1. One and two family dwellings (e.g. homes and duplexes).
 2. Two or less dwelling units in a multi-family dwelling (e.g. apartments and condos)
 3. Non-transient non-community (NTNC) water systems. NTNC water systems are water systems that serve at least 25 of the same people over six months of the year. Examples of NTNC systems include, but are not limited to, schools, daycares, factories and businesses.
 4. Transient non-community (TNC) water systems. TNC water systems are water systems that serve at least 25 people at least 60 days of the year but do not serve the same 25 people over six months of the year. Examples of TNC systems include, but are not limited to, motels, restaurants, parks, taverns and gas stations.
 5. In-store, consumer self-service, bottled water vending machines

Water treatment devices not covered by categories 1-5 immediately above are exempt from the product review process.

- Any questions, comments or suggestions, please contact Glen Schlueter,

Phone: 608-267-1401

Email: glen.schlueter@wi.gov

Fax: (608) 267-9566

Work Hours: 8 a.m. - 4:30 p.m.

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