



Jim Doyle, Governor
Mary P. Burke, Secretary

April 13, 2005

NATIONAL SAFETY ASSOCIATES, INC.
JOHN L. MORY
4260 E RAINES ROAD
MEMPHIS TN 38118

Re: Description: WATER TREATMENT DEVICE-ACTIVATED CARBON
Manufacturer: NATIONAL SAFETY ASSOCIATES, INC.
Product Name: BACTERIOSTATIC WATER TREATMENT UNIT
Model Number(s): 300H
Product File No: 20040637

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of April 2010.

This approval supercedes the approval issued on May 3, 2000 under product file number 19990846.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.
- For buildings not served by a municipal water supply, Department of Natural Resources (DNR) written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.
- If this approved device is modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- This device is a bacteriostatic device.

Bacteriostatic means that this device has the ability to inhibit the growth of heterotrophic bacteria within the media bed, without destroying the bacteria. Heterotrophic bacteria are naturally occurring bacteria that are generally not a source of disease. A bacteriostatic water treatment device is designed to limit the passage or growth, or both, of heterotrophic bacteria so that the bacterial population of the product water is not larger than that of the influent water; note that a reduction in the number of heterotrophic bacteria is not required to qualify for bacteriostasis. Be advised of these crucial points:

1. This device must not be used with water that is microbiologically unsafe, or of unknown quality, Without adequate disinfection before or after the unit;
2. This device will not make microbiologically unsafe water safe to consume; and
3. This device will not affect cysts, oocysts or viruses.

Based on testing data submitted to and reviewed by the department, this approval recognizes that this plumbing product will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20040637
TABLE 1 OF 1

Flow Rate: 11.4 liters per minute (lpm) [3.0 gallon per minute (gpm)]
Capacity: 283,906 liters (l) [75,000 gallons (gals.)]

Tested Contaminant	Influent Challenge (mg/l) ¹
Chlorine (free)	2.0 ± 10%

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted by National Safety Associates, Inc. The testing was conducted using municipally treated water from Memphis, TN. For the stated capacity, the device reduced the influent challenge concentrations by an average of 98.2%. The reduction of free chlorine also qualifies the device for the reduction of aesthetic, organic, taste and odor reduction (e.g. geosmin, methylisoborneol); this does not include hydrogen sulfide.

¹ = milligrams per liter (mg/l) are equivalent to parts per million (ppm)

± = plus or minus

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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