

January 6, 2010

GLACIER WATER SERVICES INC.
STEVE MURPHY
1385 PARK CENTER DR
VISTA CA 92081

Re: Description: WATER TREATMENT DEVICE- BOTTLED WATER VENDING MACHINE
Manufacturer: GLACIER WATER SERVICES INC.
Product Name: GLACIER (COMMERCIAL)
Model Number(s): G2 1B (COMMERCIAL)
Product File No: 20070176

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 January 2015.

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.
- Where the Department of Natural Resources (DNR) has jurisdiction, a 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.
- The water supply tubing is for cold water use only.
- The sump discharge pump must be installed so that the total dynamic head pressure does not exceed 20 feet.
- The drain line or water supply tubing installed in the horizontal direction must have continuous support; drain line or water supply tubing installed in the vertical direction must be supported every 4 feet. The drain line or water supply tubing must be polyethylene pipe/tubing that conforms to NSF Standards 51 and/or 61.

- The system shall be provided with an in-line total dissolved solids (TDS) monitor, or other acceptable means, to warn the user when the system is not performing its functions. Acceptable alternatives to an in-line TDS monitor include:
 1. Terminating the discharge of treated water;
 2. sounding an alarm which is connected to acceptable power source;
 3. flashing a light connected to an acceptable power source;
 4. providing the user with an obvious, readily interpretable, indication of the system's ability to perform (e.g. decreasing the flow rate of treated water by 50% or more for systems making mechanical filtration claims;
 5. providing a sampling service by the manufacturer, either directly or through an authorized dealer, a minimum of once every six months;
 6. providing a sampling kit for analysis of TDS or other appropriate contaminants; or
 7. providing a TDS monitor to measure the product water quality.

Whichever means of performance verification is selected, it shall be clearly described in the owner's manual for this device, and approved for use along with the device.

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 3 of this letter.

**AESTHETIC INORGANIC CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20070176
 TABLE 1 OF 1**

Product Water Production Rates: 3,218 liters per day (lpd) [850 gallons per day (gpd)] using the M-T2540A membrane model number
 9,085 lpd (2,400 gpd) using the M-T4040A membrane model number

Tested Contaminant	Tested Influent Concentration (mg/l) ¹
Total Dissolved Solids (TDS)	750 ± 40

Other conditions: the contaminant reduction capabilities displayed for table 1 of 1 were generated by testing conducted in accordance with NSF/ANSI Standard 58 by the R.O. membrane manufacturer, Applied Membranes. To qualify, the device shall reduce the influent challenge concentrations by ≥ 75%.

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

≥ = greater than or equal to

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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 which may result from its use.

Sincerely,

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