



**Jim Doyle, Governor**  
**Cory L. Nettles, Secretary**

June 1, 2004

WATERCARE CORPORATION  
JON VOGT  
1025 E. ALBERT DRIVE  
PO BOX 1717  
MANITOWOC WI 54221-1717

Re: Description: WATER TREATMENT DEVICE-ANION EXCHANGE  
Manufacturer: WATERCARE CORPORATION  
Product Name: ELAN AND HOSTESS NITRATE REMOVAL SYSTEM  
Model Number(s): UE1010N, UE1220N, UH1010N AND UH1220N  
Product File No: 20040204

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 June 2009.

This approval supercedes the approval issued on August 14, 1998 under product file number 19980113.

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 these approved devices are 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.

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

**NITRATE REDUCTION CAPABILITIES  
PRODUCT FILE NUMBER 20040204  
TABLE 1 OF 1**

**Flow rates:**

UE1010N = 5.0 gallons per minute (gpm) @ 6.5 pounds per square inch gauge (psig)  
UE1220N = 10 gpm @ 23 psig  
UH1010N = 5.0 gpm @ 5.0 psig  
UH1220N = 10 gpm @ 21 psig

<b>Model Numbers</b>		<b>Capacity*</b>	
Nitrate Reduction Systems		<b>Rating 1</b>	
Elan Series	Hostess Series	<b>Grains</b>	<b>Pounds</b>
UE1010N	UH1010N	16,000	9.0
UE1220N	UH1220N	32,000	18.0

\* The capacity ratings are based on the grains of nitrate ( $\text{NO}_3^-$ ) as N and sulfate ( $\text{SO}_4^{2-}$ ) expressed in grains per gallon (gpg) as calcium carbonate ( $\text{CaCO}_3$ ) and is related to the pounds of salt required for each regeneration.

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  
(608) 267-1401 **Phone**  
(608) 267-9566 **Fax**  
gschlueter@commerce.state.wi.us **Email**  
8:00A - 4:30P CDT **Work Hours**

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