

June 4, 2008

BRAC SYSTEMS INCORPORATED
RONALD ARSENAULT
4034 POIRIER
MONTREAL, QUEBEC
CANADA H4R 2K3

Re: Description: GRAYWATER REUSE SYSTEM
Manufacturer: BRAC SYSTEMS INCORPORATED
Product Name: BRAC SYSTEMS RESIDENTIAL GREY WATER RECYCLING SYSTEMS
Model Number(s): RGW-150, RGW-250, RGW-350 AND RGW-450
Product File No: 20080183

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 2013.

This approval supersedes the approval issued on November 7, 2007 under product file number 20060159.

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

- A plumbing plan must be submitted and approved prior to each proposed installation in accordance with Comm 82.20 (1) (a) 2. A Plumbing Plan Review must be successfully completed prior to each proposed installation. A minimum of four sets of completed plans and specifications, signed by a Wisconsin registered Architect, Designer, Engineer or licensed Master Plumber shall be submitted along with the following specific information:
 - a. A "Plumbing Plan Review Application" (i.e. SBD-6154) and required fee;
 - b. A scaled plot plan;
 - c. A scaled floor plan;
 - d. A drain, waste and vent system (i.e. DWV) isometric drawing for the engineered blackwater/graywater system;
 - e. A non-potable water system isometric drawing;
 - f. A potable water system isometric drawing;
 - g. A maintenance manual addressing all serviceable components or systems;
 - h. A written contingency plan; and
 - i. Water calculation worksheets:
 - 1. The complete non-potable water system; and
 - 2. The complete potable water system
 - j. A copy of this approval letter

For system installations that include irrigation and/or infiltration, the following information must also be provided:

- k. The soil type; and
- l. Infiltration rate

After the plan review process is complete, and the installation is finished, the State Plumbing Consultant assigned to the county in which the installation is located, shall inspect the completed installation. The final installation shall be completed and passed before the system is put into service.

Some of the information listed previously may not pertain to a specific installation.

- Monitoring of these systems shall be performed by licensed POWTS Maintainers, Master Plumbers or licensed professional Engineers. The maintenance of these systems may be performed by an unlicensed individual.
- Installation and servicing of these systems must be performed in accordance with the manufacturer's written instructions and this approval letter. A copy of the manufacturer's installation and servicing instructions, and a copy of this approval letter, must be given to the owner of each system and kept on site.
- The overflow line serving these devices must be properly trapped and vented. The vent must terminate outside of the structure.

A backwater valve is not an acceptable alternative to the aforementioned trap and vent.

- The overflow line running from these devices to the building sewer must discharge via an acceptable air gap/air break.
- If there is a discrepancy between the manufacturer's published installation instructions and this approval letter, then this approval letter shall take precedence.

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
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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