



November 10, 2011

SLOAN VALVE COMPANY
MARIANA NICOLAE
10500 SEYMOUR AVENUE
WESTCHESTER IL 60131

Re: Description: GRAYWATER REUSE SYSTEM
Manufacturer: SLOAN VALVE COMPANY
Product Name: AQUUS RECLAIMED WATER CONSERVATION SYSTEM
Model Number(s): HMA-7000
Product File No: 20110338

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 November 2016.

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

- This device is approved to serve gravity type flush tank toilets only.
- Gravity type flush tank toilets served by this device must contain ballcocks and fill valves that conform to ASSE Standard 1002. The critical level mark on the ballcock and fill valve shall be located at least one inch above the full opening of the overflow pipe.
- The minimum flowing water pressure downstream of the flow restrictor in the potable fixture supply line is 8 psig.
- This device shall serve a maximum of one lavatory or one combination lavatory.
- The electrical service to this device shall be via a GFCI electrical receptacle.
- The discharge tubing from this device shall be tangibly protected (e.g. sleeved) from crushing, kinking and splicing hazards.
- The installation of this device may require a local plumbing permit. It is the responsibility of the installer to obtain a permit when such permits are required.
- The finished installation of this device may require inspection by the Department of Safety and Professional Services (DSPS) Plumbing Consultant having jurisdiction in the region of the State in which the installation occurs. The following link provides contact information for all DSPS Plumbing Consultants:

<http://dsps.wi.gov/SB/SB-PlumbingConsultantsMap.html>

➤ The treated effluent from this device should be tested every six months for the following:

1. pH (6-9)
2. Biological oxygen demand, five day [BOD₅] (\leq 200 mg/l)
3. Total suspended solids [TSS] (\leq 5 mg/l)
4. Free chlorine residual (\geq 0.1 mg/l and \leq 4.0 mg/l)

The pertinent treatment standards are given parenthetically.

The consumer should be mindful of the materials allowed to go down the lavatory drain. For example, excessive use of soaps will cause bubbles in the toilet. Dumping coffee down the lavatory drain will discolor the water in the toilet. This is particularly true because the design of this device places the chlorination step prior to the mechanical filtration step which exposes the surface of the disinfection tablets to potential fouling which may prevent water from contacting the tablets directly thereby impeding proper disinfection/deodorizing.

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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