



January 24, 2013

DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES
BUREAU OF TECHNICAL SERVICES
1400 E. WASHINGTON AVE.
MADISON WI 53703

Re: Description: ALTERNATE SYSTEM
Manufacturer: DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES
Product Name: ALTERNATE APPROVAL IN LIEU OF PLAN REVIEW FOR REUSE
Model Number(s): REUSE FROM NR 811 OR NR 812 APPROVED SOURCES
Product File No: 20130018

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. SPS 382.20 (1) based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of January 2018.

This approval permits the installation of a water reuse system, the influent to which originates from a water treatment device serving a NR 811 or NR 812 compliant source. The water treatment device effluent must conform to NR 809 and the reject/backwash water from the device must be reused only for non-potable uses. This approval permits the installation of such a water reuse system without departmental plan review provided the following stipulations are complied with.

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

- The reuse water quality shall be maintained within the following ranges:
 1. pH = 6 - 9
 2. TSS = < 5.0 mg/l
 3. BOD5 = < 10.0
 4. Fecal coliform = non-detectable
 5. Odor = none
 6. Color = none
- The reuse water is limited to the following end uses:
 - a. toilet and urinal flushing
 - b. vehicular underbody washing
 - c. irrigation
- The maximum volume of the collection tank shall be 500 gallons.
- The collection tank shall be located within the perimeter defined by the buildings footprint.

- The owner of the facility is responsible for all maintenance of reuse system components in accordance with the component manufacturer's published maintenance instructions.
- The reuse system shall be thoroughly cleaned, disinfected, inspected and tested annually.
- All water lines and outlets shall be labeled as required by s. SPS 382.40 (3) (d) per the specific end use.
- A deed attachment for installations within dwellings, that clearly identifies and explains the non-potable/reuse water system, shall be filed within 90 days of installation. A form is attached to this letter which may be used for this purpose.
- The reuse system shall be installed by a properly licensed Wisconsin plumber under the supervision of a Master Plumber, or by the owner occupant of a single family dwelling that is their primary place of residence unless a plumbing license is required by the municipality.
- All pertinent aspects of chapters SPS 382-387 of the Wis. Adm. Code (i.e. Plumbing Code) shall be adhered to.
- All initial start-up water and/or make-up water added to this system shall be supplied from a NR 811 or NR 812 approved source.
- Monitoring and maintenance of this system may be performed by a properly trained system owner.
- A permanent tag and/or label must be affixed to all treatment components of the water reuse system in a conspicuous location, visible after installation is complete. The tag/label must contain the following minimum information:
 1. model number;
 2. manufacturer's name;
 3. manufacturer's address;
 4. manufacturer's phone number
- The reuse water collection tank shall be water-tight in accordance with s. SPS 384.25 (2) and constructed in conformance with s. 384.25 (3). Access shall be provided per s. SPS 384.25 (7). Openings greater than 8-inches in diameter shall be provided with locking devices and signage/labeling to identify the use. All subsurface/buried reuse water collection tanks shall observe a minimum of an 8 ft. set back distance from any sanitary sewer lines and/or septic tanks.
- When the installation of each reuse system is completed, the installer shall formally notify the department using the attached form.

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,

Thomas Braun
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