



July 3, 2014

WATER RIGHT INCORPORATED
KURT GRUETT
1900 PROSPECT COURT
APPLETON WI 54914

Re: Description: WATER TREATMENT DEVICE - OXIDIZING
Manufacturer: WATER RIGHT INCORPORATED
Product Name: MICROCLEAR V (POE)
Model Number(s): MICROCLEAR V (POE)
Product File No: 20140185

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 approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of July 2019.

This approval supersedes the approval issued on June 22, 2009 under product file number 20090185.

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 manufacturer's 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) 267-9787.
- 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.
- The potassium permanganate (KMnO₄) used to regenerate these devices must be listed by an ANSI accredited listing agency under NSF/ANSI Standard 60. The application of KMnO₄ shall not exceed the maximum use concentration specified in the Standard 60 listing.

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.

**AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20140185
TABLE 1 OF 1**

Flow Rates: UG510 = 5.0 gallon per minute (gpm)
UG513 = 7.1 gpm

Capacities: UG510 (hydrogen sulfide) = 1,660 gallons (gals.)
UG510 (dissolved iron) = 560 gals.
UG510 (dissolved manganese) = 3,082 gals.

UG513 (hydrogen sulfide) = 2,822 gallons (gals.)
UG513 (dissolved iron) = 952 gals.
UG513 (dissolved manganese) = 5,239 gals.

Tested Contaminant	Influent Challenge (mg/l)¹
Hydrogen sulfide (H ₂ S)	10.0 ± 10%
Dissolved iron (Fe ⁺²)	10.0 ± 10%
Dissolved manganese (Mn ⁺²)	2.0 ± 10%

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with WQA Standard S-200. WQA Standard S-200 has since been retired. To qualify, all effluent hydrogen sulfide concentrations must be < 0.2 mg/l, all dissolved iron concentrations must be < 0.2 mg/l and all dissolved manganese concentrations must be < 0.05 mg/l.

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

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
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