SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
P.O. Box 2658
Madison, Wisconsin 53701-2658

commerce.wi.gov
Wisconsin
Department of Commerce

Jim Doyle, Governor
Mary P. Burke, Secretary

October 2, 2006

WATER QUALITY ASSOCIATION
SARAH ZROUT
4151 NAPERVILLE RD.
LISLE IL 60532

PROTECT PLUS, LLC
KENN VEST
420 THIRD AVE
HICKORY NC 28601

Re: Description: WATER TREATMENT DEVICE-ACTIVATED CARBON
Manufacturer: PROTECT PLUS, LLC
Product Name: DUPONT HIGH CAPACITY REFRIGERATOR FILTER
Model Number(s): WF-1R100 (disposable)
Product File No: 20050381

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 October 2011.

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.

- 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) 266-3415.

- If this approved device is 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.

- This filter is approved as a bacteriostatic device.

  "Bacteriostatic" means that the filtration media within this device will not support the growth of naturally occurring bacteria. This means that under actual test conditions the number of naturally occurring bacteria coming out of the tested filter was not greater than the number of naturally occurring bacteria entering the filter.

  This does not, in any way, mean that this device will make microbiologically unsafe water safe to consume. This does not mean that this device will kill or otherwise inactivate disease causing microorganisms.

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

AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20050381
TABLE 1 OF 1

Flow Rate: 0.5 liters per minute (lpm) [1.9 gallon per minute (gpm)]
Capacity: 15,142 liters (l) (4,000 gals.) for free chlorine reduction. For particulate reduction the capacity is dependent on the type and quantity of particulate matter present in the untreated water; the need for maintenance may be indicated be a significant decrease in flow rate.

Tested Contaminant	Influent Challenge (mg/l)*, [1]
Chlorine (free)	2.0 ± 10%
Particulates (≥30 to < 50.0 μm)	≥ 1.0×10^4 #/ml

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with NSF *International* Standard 42. To qualify for free chlorine reduction, the device must reduce the influent challenge concentrations by ≥ 50%; meeting the free chlorine reduction requirements also qualifies the device for the reduction of aesthetic, organic, taste and odor reduction (e.g. geosmin, methylisoborneol); this does not include hydrogen sulfide. To qualify for particulate reduction (Class V) the device must reduce the influent challenge concentrations by ≥ 85%.

1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)
≥ = greater than or equal to
± = plus or minus
#/ml = particles per milliliter
< = less than
μm = micrometers
***** = unless otherwise specified

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
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**
8:00AM – 4:30PM CDT **Work Hours**

GWS:gws