

October 14, 2005

CUSTOM APPLIED TECHNOLOGY CORPORATION  
DEAN TAYLOR  
2361 WHITEFIELD PARK AVE  
SARASOTA, FL 34243-4032

Re: Description: GRAYWATER REUSE SYSTEM  
Manufacturer: CUSTOM APPLIED TECHNOLOGY CORPORATION  
Product Name: CARWASH WATER RECLAIM SYSTEMS  
Model Number(s): CWR-35DXP AND CWR-100DXP  
Product File No: 20050733

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 2010.

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

- The CWR-65DXP and CWR-100DXP devices must each have a conspicuous label, visible after installation, which displays the model number of the respective device.
- The concentration (C) in mg/l multiplied by time (T) in minutes = the CT value for the ozonation process. These CT values vary with the temperature of the water to be treated and the minimum required CT values are as follows:

Temperature (F)	34	41	50	59	68	77+
Ozone CT Value	2.9	1.9	1.4	0.95	0.72	0.48

CT values between the indicated temperature may be determined by linear interpolation. If no interpolation is used, then use the CT value at the lower temperature for determining the CT value between indicated temperatures.

- The pressure loss for any single mechanical filtration device shall not exceed 15 psig over and above the pressure loss of the mechanical filtration device when initially (as new) backwashed and settled. If the pressure loss exceeds 15 psig, then the mechanical filtration devices must be backwashed, serviced or replaced.

Each individual pressure vessel installed in series or parallel is considered a separate and distinct mechanical filtration device.

- The interceptors/separators used in this system shall have an individual capacity of 1,650 gallons. The interceptors/separators shall be prefabricated by Green Acres. The interceptors/separators shall be designed, constructed and installed in accordance with the product approval issued for these tanks under Wisconsin Product File No. 20050297.

The site constructed holding tanks were not considered under this approval because they do not contribute to the treatment of wastewater.

- This system approval includes the consideration of the CATEC CWR-35DXP and CATEC CWR-100DXP skid mounted treatment units (including the mechanical filtration devices, the particle separators and ozone generator) and the interceptors/separators.

➤ The final effluent, collected from at or near the suction basket of the final interceptor/separator, shall be sampled semiannually for the following water quality parameters:

1. pH;
2. 5-Day biological oxygen demand (BOD5);
3. total suspended Solids (TSS);
4. fecal coliform

The results of these semiannual test shall be submitted as directed by the reviewer of the site specific plan.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that 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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GWS:gws