

4714.1603 RAINWATER STORAGE TANKS.

Subpart 1. **Section 1603.2.** UPC section 1603.2 is amended to read as follows:

1603.2 Construction. Rainwater storage shall be constructed of solid, durable materials not subject to excessive corrosion or decay, watertight, and suitable for rainwater storage.

Subp. 2. **Section 1603.7.** UPC section 1603.7 is amended to add the following:

1603.7 Animals and Insects. Rainwater tank openings shall be protected to prevent the entrance of insects, birds, or rodents into the tank and piping system. Screen installed on vent pipes, inlets, and overflow pipes shall be corrosion-resistant and have an aperture of not greater than 1/16 inch (1.6 mm) and shall be close-fitting.

Subp. 3. **Section 1603.9.** UPC section 1603.9 is amended to read as follows:

1603.9 Storage Tank Venting. A vent shall be installed on each tank. The vent shall extend from the top of the tank and terminate a minimum of 12 inches above grade, shall be a minimum of 1-1/2 inches in diameter, and shall be turned downward.

Subp. 4. **Section 1603.10.** UPC section 1603.10 is amended to read as follows:

1603.10 Pumps. Pumps serving rainwater catchment systems shall be listed. Pumps supplying water to water closets, urinals, and trap primers shall be capable of delivering not less than 15 pounds-force per square inch (psi) (103 kPa) residual pressure at the highest and most remote outlet served. Where the water pressure in the rainwater supply system within the building exceeds 80 psi (552 kPa), a listed pressure-reducing valve reducing the pressure to 80 psi (552 kPa) or less to water outlets in the building shall be installed in accordance with this code.

Subp. 5. **Section 1603.11.** UPC section 1603.11 is amended to read as follows:

1603.11 Roof Drains. Primary and secondary roof drain systems shall be designed and installed in accordance with Chapter 11, as amended in this code. Secondary roof drains shall be equipped with a working alarm.

Subp. 6. **Section 1603.12.** UPC section 1603.12 is amended to read as follows:

1603.12 Water Quality Devices and Equipment. The rainwater catchment system shall include filtration and disinfection to maintain the minimum water quality requirements in Table 1602.9.6. At a minimum, a 100-micron absolute filter shall be provided along with disinfection to provide a 3.5-log reduction of bacteria. Devices and equipment used to treat rainwater shall be suitable for rainwater catchment system applications, properly designed, sized, and documented for the specific project by a Minnesota registered professional engineer.

Subp. 7. **Sections 1603.15 and 1603.16.** UPC sections 1603.15 and 1603.16 are deleted in their entirety.

Statutory Authority: *MS s 326B.43*

History: *45 SR 1007*

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