

Chapter 4714: Renumbering Corrections to 2020 MPC

4714.1107 TESTING.

Subpart 1. **Section 1107.1.** UPC section 1107.1 is amended to read as follows:

1107.1 Testing Required. Building storm drainage systems that are new and parts of existing systems that have been altered, extended, or repaired shall be tested in accordance with section 712 to disclose leaks and defects, except as provided in section 1107.2. Any section of the building storm sewer that passes through contaminated soils or contaminated water must be air tested in accordance with section 712.3.

Subp. 2. **Section 1107.2.** UPC section 1107.2 and its subsections are amended to read as follows:

1107.2 Exceptions.

(A) Testing is not required for:

(1) outside leaders;

(2) perforated or open drain tile; or

(3) portions of storm drainage system and sewers that are located more than ten feet from buildings, more than ten feet from buried water lines, and more than 50 feet from water wells, and that do not pass through soil or water identified as being contaminated.

(B) Building storm sewers shall be tested in accordance with section 712 or the Hydrostatic Test Method from the City Engineers Association of Minnesota. The Hydrostatic Test Method, provisions E2 and E3, as specified in Standard Utilities Specifications for Watermain and Service Line Installation and Sanitary Sewer and Storm Sewer Installation, written and published by the City Engineers Association of Minnesota, 2018 edition, is incorporated by reference, is not subject to frequent change, and is available in the office of the commissioner of labor and industry.

4714.0712 TESTING.

[No change to subpart 1.]

Subp. 2. **Section 712.** UPC section 712 is amended by adding subsections to read as

follows:

712.4 Negative Test. Concrete manholes and sewer lines shall be tested by negative pressure in accordance with ASTM Standards C1214-19 and C1244-17 or the Hydrostatic Test Method in section 1107.2 (B).

712.5 Finished Plumbing. After the plumbing fixtures have been set and their traps filled with water, their connections shall be tested and proven gastight and watertight by plugging the stack openings on the roof and the building drain where it leaves the building, and air

introduced into the system equal to the pressure of a 1-inch water column. Such pressure shall remain constant for 15 minutes or the duration of the inspection without the introduction of additional air.

712.6 Test Plugs or Caps. Test plugs or caps for roof terminals shall extend above or outside the end of the vent pipe to provide a visible indication for removal after the test has been completed.

4714.1601 GENERAL.

Subpart 1. **Section 1601.1.** UPC section 1601.1 is amended to read as follows:

1601.1 Applicability. The provisions of this chapter shall apply to the installation, construction, alteration, and repair of rainwater catchment systems for nonpotable applications listed in section 1602.1.

1601.1.1 Irrigation. Rainwater catchment systems used for lawn irrigation are not covered under this chapter.

1601.1.2 Combination Systems. Rainwater catchment systems used for lawn irrigation in combination with any uses listed in section 1602.1 shall meet the requirements of this chapter. The irrigation system shall be separated by an air gap or proper backflow protection as required for potable water.

Subp. 2. **Sections 1601.2 and 1601.3.** UPC sections 1601.2 and 1601.3 are deleted in their entirety.

Subp. 3. Section 1601.7. UPC section 1601.7 is amended to read as follows:

1601.7 Minimum Water Quality Requirements. The minimum water quality for rainwater catchment systems shall comply with the applicable water quality requirements for the intended application as determined by the Authority Having Jurisdiction. Water quality for nonpotable rainwater catchment systems shall comply with Section 1602.9.6.

Exceptions:

(1) Water treatment is not required for rainwater catchment systems used for aboveground irrigation with a maximum storage capacity of 360 gallons (1363 L).

(2) Water treatment is not required for rainwater catchment systems used for subsurface or drip irrigation.

Subp.4. **Section 1601.11.** UPC section 1601.11 is amended to read as follows:

1601.11 Abandonment. All rainwater catchment systems that are no longer in use and fail to be maintained in accordance with section 1601.5 shall be considered abandoned. Abandoned rainwater catchment systems are subject to sections 1601.11.1 and 1601.11.2.

1601.11.1 General. Every abandoned rainwater catchment system or part thereof covered under the scope of this chapter, as amended in this code, shall be disconnected from any remaining systems, drained, plugged, and capped per the requirements of this code. Storm

72 drainage systems of abandoned rainwater catchment systems must comply with chapter 11,
73 Storm Drainage, as amended.

74 **1601.11.2 Underground Tank.** Every underground water storage tank that has been abandoned
75 or otherwise discontinued from use in a rainwater catchment system covered under the scope
76 of this chapter, as amended in this code, shall be completely drained and filled with earth, sand,
77 gravel, or concrete or removed in a manner approved by the administrative authority.

78 [UPC sections/subsections 1601.4 through 1601.6 and 1601.8 through 1601.10, and 1601.12 are
79 retained.]

80 4714.1602 NONPOTABLE RAINWATER CATCHMENT SYSTEMS

81 [Subparts 1-8 remain unchanged.]

82 Subp. 9. Subsection 1602.9.4. UPC section 1602.9.4 is deleted in its entirety.

83 4714.1701 REFERENCED STANDARDS.

84 Subpart 1. UPC Table 1701.1 is modified to add the following:

STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTIONS
ASME A112.3.1-2007	Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below-Ground	Piping	418.1, 423.1, Table 701.2, 705.7.2, 1102.1
ASME A112.6.3-2001	Floor and Trench Drains	Fixtures	418.1, 423.1
ASSE 1084-2018	Water Heaters with Temperature Limiting Capacity	Appliances	407.3, 409.4, 410.3
ASSE 1085-2018	Water Heaters for Emergency Equipment	Appliances	416.2
ASTM Standards C1214-19	Concrete Pipe Sewerlines by Negative Air Pressure (Vacuum) Test Method		712.4
ASTM Standards C1244-17	Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill		712.4
CSA B125.3-2018	Plumbing Fittings	Fittings	409.4, 410.3
Hydrostatic Test Method (City Engineers Association of Minnesota) - 2018	Standard Utilities Specifications for Watermain and Service Line Installation and Sanitary Sewer and Storm Sewer Installation	Storm Drainage	1107.2(B)

NSF 14-2016	Plastics Piping System Components and Related Materials	Miscellaneous	301.2.3, 604.1, 611.3
NSF 42-2015	Drinking Water Treatment Units – Aesthetic Effects	Appliances	611.1, 611.3
NSF 44-2015	Residential Cation Exchange Water Softeners	Appliances	611.1, 611.3
NSF 53-2015	Drinking Water Treatment Units – Health Effects	Appliances	611.1, 611.3
NSF 55-2016	Ultraviolet Microbiological Water Treatment Systems	Appliances	611.1, 611.3

NSF 58-2015	Reverse Osmosis Drinking Water Treatment Systems	Appliances	611.1, 611.2, 611.3
NSF 61-2016	Drinking Water System Components – Health Effects	Miscellaneous	415.1, 417.1, 604.1, 604.9, 606.1, 607.2, 608.2, 611.1.1
NSF 62-2015	Drinking Water Distillation Systems	Appliances	611.1, 611.3