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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 16

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee Review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1	Chapter 16	1601.1	PB0199	Applicability.	Keep as shown in the 2024 UPC, RFA PB0199. 1601.1.1 Allowable Use of Alternate Water. Where approved or required by the Authority Having Jurisdiction, rainwater shall be permitted to be used instead of potable water for the applications identified in this chapter.	4/2/2025		
2	Chapter 16	1601.1.1		Allowable Use of Alternate Water.	Keep as shown in the 2024 UPC	4/2/2025		
3	Chapter 16	1601.1.2		Combination Systems.	Leave as amended in the 2020 MPC 6/4/25	6/4/2025		
4	Chapter 16	1601.2		System Design.	Leave as amended in the 2020 MN Plumbing Code	4/2/2025		
5	Chapter 16	1601.3		Permit	Leave as amended in the 2020 MN Plumbing Code	4/2/2025		
6	Chapter 16	1601.5.2		Maintenance Log.	Keep as shown in the 2024 UPC with the following revision: 1601.5.2 Maintenance Log. A maintenance log for rainwater catchment systems is required to have a permit in accordance with ~~Section 1601.3~~ Minnesota Rules Chapter 1300 and shall be maintained by the property owner and be available for inspection. The property owner or designated appointee shall ensure that a record of testing, inspection, and maintenance in accordance with Table 1601.5 is maintained in the log. The log will indicate the frequency of inspection and maintenance for each system.	4/2/2025		
7	Chapter 16	1601.6		Operation and Maintenance Manual	Keep as shown in the 2024 UPC with the following revision: 1601.6 Operation and Maintenance Manual. An operation and maintenance manual for rainwater catchment systems required to have a permit in accordance with ~~Section 1601.3~~ Minnesota Rules Chapter 1300, shall be supplied to the building owner by the system designer. The operating and maintenance manual shall include the following: (1) Detailed diagram of the entire system and the location of system components. (2) Instructions for operating and maintaining the system. (3) Details on maintaining the required water quality as determined by the Authority Having Jurisdiction. (4) Details on deactivating the system for maintenance, repair, or other purposes. (5) Applicable testing, inspection, and maintenance frequencies in accordance with Table 1601.5. (6) A method of contacting the manufacturer(s).	4/2/2025		
8	Chapter 16	1601.7		Minimum Water Quality Requirements.	Keep as shown in the 2024 UPC with the following revision: 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 1603.4. ~~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.~~	4/2/2025		
9	Chapter 16	1601.11		Abandonment.	Leave as ammended in the 2020 MPC	4/2/2025		
10	Chapter 16	1601.11.1		General.	Leave as ammended in the 2020 MPC	4/2/2025		
11	Chapter 16	1601.11.2		Underground Tank.	Leave as ammended in the 2020 MPC	4/2/2025		

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Chapter 16

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee Review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
12	Chapter 16	1602.1		General.	The Committee will recommend adopting RFA PB0199, as follows: 1602.1 General. The installation, construction, alteration, and repair of rainwater catchments systems intended to supply uses such as water closets, urinals, trap primers for floor drains and floor sinks, alternate water supplied to irrigation systems, industrial processes, water features, cooling tower makeup and other uses shall be approved by the Authority Having Jurisdiction. Rainwater catchment systems for collecting precipitation from rooftops shall comply with ARCSA/ASPE/ANSI 63.	6/4/2025		
13	Chapter 16	1602.2	PB0199	Plumbing Plan Submission.	The Committee will recommend adopting RFA PB0199. 1602.2 Plumbing Plan Submission. No permit for a rainwater catchment system shall be issued until complete plumbing plans, with data satisfactory to the Authority Having Jurisdiction, have been submitted and approved.	6/4/2025		
14	Chapter 16	1602.4		Connections to Potable or Reclaimed (Recycled) Water Systems.	Leave as amended in the 2020 MPC, as follows: 1602.4 Connections to Potable or Reclaimed (Recycled) Water Systems. Rainwater catchment systems shall have no direct connection to a potable water supply or alternate water source system. Potable or reclaimed (recycled) water is permitted to be used as makeup water for a rainwater catchment system provided the potable or reclaimed (recycled) water supply connection is protected by an air gap or reduced-pressure principle backflow preventer in accordance with this code. An automatic means to supply the rainwater catchment system with makeup water shall be installed when there is insufficient rainwater to meet the required demand or due to system failure.	6/4/2025		
15	Chapter 16	1602.5		Initial Cross-Connection Test.	Leave as amended in the 2020 MPC, as follows: 1602.5 Initial Cross-Connection Test. Where a portion of a rainwater catchment system is installed within a building, a cross-connection test is required in accordance with Section 1605.3, as amended. Before the building is occupied or the system is activated, the plumbing contractor shall perform the initial cross-connection test in the presence of the Authority Having Jurisdiction. The test shall be ruled successful before final approval is granted.	6/4/2025		
16	Chapter 16	1602.7.1		Water Supply and Distribution Materials	Leave as amended in the 2020 MPC, as follows: 1602.7.1 Water Supply and Distribution Materials. Rainwater catchment water supply and distribution materials shall comply with Chapter 6, as amended in this code, and the requirements of this code for potable water supply and distribution systems, unless otherwise provided for in this section.	6/4/2025		
17	Chapter 16	1602.7.2		Rainwater Catchment System Drainage Materials.	Leave as ammended in the 2020 MPC, as follows: 1602.7.2 Rainwater Catchment System Drainage Materials. Materials used in rainwater catchment drainage systems, including gutters, downspouts, conductors, and leaders shall be in accordance with Chapter 11, as amended in this code, and the requirements of this code for storm drainage	6/4/2025		
18	Chapter 16	1602.7.3		Storage Tanks.	Leave as ammended in the 2020 MPC, as follows (update renumbing): 1602.7.3 Storage Tanks. Rainwater storage tanks shall comply with Section 1603.1, as amended in this code.	6/4/2025		

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Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee Review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
19	Chapter 16	1602.9.3		Collection Surfaces.	Leave as amended 2020 MPC, renumber 1603.3, as follows: 1602.9.3 Collection Surfaces. Rainwater catchment systems shall collect rainwater only from roof surfaces. Rainwater catchment systems shall not collect rainwater from: (1) vehicular parking surfaces; (2) surface water runoff; (3) bodies of standing water; or (4) similar nonroof surfaces.	6/4/2025		
20	Chapter 16	1602.9.4		Other Surfaces.	Leave as amended in the 2020 MPC, with renumbering, as follows: 1602.9.4 Other Surfaces. Natural precipitation collected from surface water runoff, vehicular parking surfaces, or manmade surfaces at or below grade shall be in accordance with the stormwater requirements for on-site treated nonpotable water systems in Section 1506.0.	6/4/2025		
21	Chapter 16	1603.3.2		Prohibited Discharges.	Keep as shown in the 2024 with the following revision (renumbering): 1603.3.2 Prohibited Discharges. Overflows and bleed-off pipes from roof-mounted equipment, ~~and~~ appliances, condensate, and other waste disposal shall not discharge onto roof surfaces that are intended to collect rainwater without prior approval from the Authority Having Jurisdiction.	6/4/2025		
22	Chapter 16	1602.9.6		Minimum Water Quality.	Leave as amended in the 2020 MN Plumbing Code as 1602.9.6 (renumbering), as follows: 1602.9.6 Minimum Water Quality. The minimum water quality for rainwater catchment systems shall meet the applicable water quality recommendations in Table 1602.9.6.	6/4/2025		
23	Chapter 16	Table 1602.9.6		Tabeled	Input from Department of Health.	6/4/2025		
24	Chapter 16	1603.2		Construction.	Delete, 2020 MPC Not shown in minutes	6/4/2025		
25	Chapter 16	1603.10		Opening and Access Protection.	Keep as shown in the 2024 with the following revision: 1603.10 Opening and Access Protection. 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. Rainwater tank access openings exceeding 12 inches (305 mm) in diameter shall be secured to prevent tampering and unintended entry by either a lockable device or other approved method.	6/4/2025		
26	Chapter 16	1603.12		Storage Tank Venting.	Leave as amended in the 2020 MPC with the following revision, as follows: 1603.12 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 11⁄2 inches in diameter, and shall be turned downward and screened in accordance with 1603.10.	6/4/2025		
27	Chapter 16	1603.11		Roof Drains	Leave as amended in 2020 MPC and renumber	6/4/2025		
28	Chapter 16	1603.15		Water Quality Devices and Equipment	Leave as amended in 2020 MPC and renumber	6/4/2025		
29	Chapter 16	1603.18		Required Filters.	2020 MPC 1603.15 Required Filters. Deleted in its entirety.	6/4/2025		
30	Chapter 16	1603.19		Roof Gutters.	Leave as ammended in the 2020 MPC, as follows: 2020 MPC 1603.16 Roof Gutters. Deleted in its entirety.	6/4/2025		
31	Chapter 16	1605.3		Cross-Connection Inspection and Testing.	Leave as amended in 2020 MPC	6/4/2025		

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32	Chapter 16	1605.3.1		Visual System Inspection	Leave as amended in 2020 MPC	6/4/2025		
33	Chapter 16	1605.3.2		Cross-Connection Test	Leave as amended in 2020 MPC	6/4/2025		
34	Chapter 16	1605.3.4		Inspection.	Leave as amended in 2020 MPC	6/4/2025		

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Chapter 16 (Keep 2024 UPC)

Line #	Chapter	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee Meeting	(A)ccept (R)eject (M)odify
1	16	1601.0	1601.0 General.	Keep As shown as 2024	1601.0 General.	1601.0 General.		
2	16	1601.1	**1601.1 Applicability.**	Keep as shown in the 2024 UPC, RFA PB0199	**1601.1 Applicability.** The provisions of this chapter shall apply to the installation, construction, alteration, and repair of nonpotable rainwater catchment systems.	***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.*	4/2/2025	
3	16	1601.1.1	**1601.1.1 Allowable Use of Alternate Water.**	Keep as shown in the 2024 UPC	**1601.1.1 Allowable Use of Alternate Water**. Where approved or required by the Authority Having Jurisdiction, rainwater shall be permitted to be used instead of potable water for the applications identified in this chapter.	***1601.1.1 Irrigation.*** *Rainwater catchment systems used for lawn irrigation are not covered under this chapter. RFA By Abrahamson Look at Exceptions for 1601.7*	4/2/2025	
4	16	1601.4	**1601.4 Component Identification.**	Keep as shown in the 2024 UPC	**1601.4 Component Identification.** System components shall be properly identified as to the manufacturer.	**1601.4 Component Identification.** System components shall be properly identified as to the manufacturer.	4/2/2025	
5	16	1601.5	**1601.5 Maintenance and Inspection.**	Keep as shown in the 2024 UPC	**1601.5 Maintenance and Inspection.** Rainwater catchment systems and components shall be inspected and maintained in accordance with Section 1601.5.1 through Section 1601.5.3.	**1601.5 Maintenance and Inspection.** Rainwater catchment systems and components shall be inspected and maintained in accordance with Section 1601.5.1 through Section 1601.5.3.	4/2/2025	
6	16	1601.5.1	**1601.5.1 Frequency.**	Keep as shown in the 2024 UPC	**1601.5.1 Frequency.** Rainwater catchment systems and components shall be inspected and maintained in accordance with Table 1601.5 unless more frequent inspection and maintenance are required by the manufacturer.	**1601.5.1 Frequency.** Rainwater catchment systems and components shall be inspected and maintained in accordance with Table 1601.5 unless more frequent inspection and maintenance are required by the manufacturer.	4/2/2025	
7	16	1601.5.3	**1601.5.3 Maintenance Responsibility.**	Keep as shown in the 2024 UPC	**1601.5.3 Maintenance Responsibility.** The required maintenance and inspection of rainwater catchment systems shall be the responsibility of the property owner unless otherwise required by the Authority Having Jurisdiction.	**1601.5.3 Maintenance Responsibility.** The required maintenance and inspection of rainwater catchment systems shall be the responsibility of the property owner unless otherwise required by the Authority Having Jurisdiction.	4/2/2025	
8	16	1601.8	**1601.8 Material Compatibility**	Keep as shown in the 2024 UPC	**1601.8 Material Compatibility.** Rainwater catchment systems shall be constructed of materials that are compatible with the type of pipe and fitting materials, water treatment, and water conditions in the system.	**1601.8 Material Compatibility.** Rainwater catchment systems shall be constructed of materials that are compatible with the type of pipe and fitting materials, water treatment, and water conditions in the system.	4/2/2025	

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9	16	1601.9	**1601.9 System Controls.**	Keep as shown in the 2024 UPC	**1601.9 System Controls.** Controls for pumps, valves, and other devices that contain mercury that come in contact with rainwater supply shall not be permitted.	**1601.9 System Controls.** Controls for pumps, valves, and other devices that contain mercury that come in contact with rainwater supply shall not be permitted.	4/2/2025	
10	16	1601.10	**1601.10 Separation Requirements.**	Keep as shown in the 2024 UPC	**1601.10 Separation Requirements.** Underground rainwater catchment service piping shall be separated from the building sewer in accordance with Section 609.2. Treated nonpotable water pipes shall be permitted to be run or laid in the same trench as potable water pipes with a 12 inch (305 mm) minimum vertical and horizontal separation where both pipe materials are approved for use within a building. Where horizontal piping materials do not meet this requirement, the minimum separation shall be increased to 60 inches (1524 mm). The potable water piping shall be installed at an elevation above the treated nonpotable water piping.	**1601.10 Separation Requirements.** Underground rainwater catchment service piping shall be separated from the building sewer in accordance with Section 609.2. Treated nonpotable water pipes shall be permitted to be run or laid in the same trench as potable water pipes with a 12 inch (305 mm) minimum vertical and horizontal separation where both pipe materials are approved for use within a building. Where horizontal piping materials do not meet this requirement, the minimum separation shall be increased to 60 inches (1524 mm). The potable water piping shall be installed at an elevation above the treated nonpotable water piping.	4/2/2025	
11	16	1601.12	**1601.12 Sizing.**	Keep as shown in the 2024 UPC	**1601.12 Sizing.** Unless otherwise provided for in this chapter, rainwater catchment piping shall be sized in accordance with Chapter 6 for sizing potable water piping.	**1601.12 Sizing.** Unless otherwise provided for in this chapter, rainwater catchment piping shall be sized in accordance with Chapter 6 for sizing potable water piping.	4/2/2025	
12	16	1602.0	**1602.0 Nonpotable Rainwater Catchment Systems.**	Keep as shown in the 2024 UPC	1602.0 Nonpotable Rainwater Catchment Systems.	1602.0 Nonpotable Rainwater Catchment Systems.	4/2/2025	
13	16	1602.3	**1602.3 System Changes.**	Keep as shown in the 2024 UPC	**1602.3 System Changes.** No changes or connections shall be made to either the rainwater catchment system or the potable water system within a site containing a rainwater catchment system requiring a permit without approval by the Authority Having Jurisdiction.	**1602.3 System Changes.** No changes or connections shall be made to either the rainwater catchment system or the potable water system within a site containing a rainwater catchment system requiring a permit without approval by the Authority Having Jurisdiction.	4/2/2025	
14	16	1602.6	**1602.6 Sizing.**	Keep as shown in the 2024 UPC	**1602.6 Sizing.** The design and size of rainwater drains, gutters, conductors, and leaders shall comply with Chapter 11 of this code.	**1602.6 Sizing.** The design and size of rainwater drains, gutters, conductors, and leaders shall comply with Chapter 11 of this code.	4/2/2025	

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15	16	1602.7	**1602.7 Rainwater Catchment System Materials.**	Keep as shown in the 2024 UPC	**1602.7 Rainwater Catchment System Materials.** Rainwater catchment system materials shall comply with Section 1602.7.1 through Section 1602.7.4.	**1602.7 Rainwater Catchment System Materials.** Rainwater catchment system materials shall comply with Sections 1602.7.1 through 1602.7.4.	4/2/2025	
16	16	1602.7.4	**1602.7.4 Collections Surfaces.**	Keep as shown in the 2024 UPC	**1602.7.4 Collections Surfaces.** The collection surface shall be constructed of a hard, impervious material.	**1602.7.4 Collections Surfaces.** The collection surface shall be constructed of a hard, impervious material.	4/2/2025	
17	16	1602.8	**1602.8 Rainwater Catchment System Color and Marking Information**	Keep as shown in the 2024 UPC	**1602.8 Rainwater Catchment System Color and Marking Information.** Rainwater catchment systems shall have a colored background in accordance with Section 601.3. Rainwater catchment systems shall be marked, in lettering in accordance with Section 601.3.3, with the words: "CAUTION: NONPOTABLE RAINWATER, DO NOT DRINK."	**1602.8 Rainwater Catchment System Color and Marking Information.** Rainwater catchment systems shall have a colored background in accordance with Section 601.3. Rainwater catchment systems shall be marked, in lettering in accordance with Section 601.3.3, with the words: "CAUTION: NONPOTABLE RAINWATER, DO NOT DRINK."	4/2/2025	
18	16	1602.9	**1602.9 Deactivation and Drainage for Cross-Connection Test.**	Keep as shown in the 2024 UPC	**1602.9 Deactivation and Drainage for Cross-Connection Test.** The rainwater catchment system and the potable water system within the building shall be provided with the required appurtenances (e.g., valves, air or vacuum relief valves, etc.) to allow for deactivation or drainage as required for a cross-connection test in accordance with Section 1605.3.	**1602.9.2 Deactivation and Drainage for Cross-Connection Test.** The rainwater catchment system and the potable water system within the building shall be provided with the required appurtenances (e.g., valves, air or vacuum relief valves, etc.) to allow for deactivation or drainage as required for a cross-connection test in accordance with Section 1605.3.	4/2/2025	
19	16		**Desing and Installation**	Keep as shown in the 2024 UPC	**Desing and Installation**	**Desing and Installation**		
20	16	1603.1	**1603.1 Rainwater Catchment Systems.**	Keep as shown in the 2024 UPC	**1603.1 Rainwater Catchment Systems.** The design and installation of nonpotable rainwater catchment systems shall be in accordance with Section 1603.2 through Section 1603.20.	**1602.9 Design and Installation.** The design and installation of nonpotable rainwater catchment systems shall be in accordance with Section 1602.9.1 through Section 1603.16.	4/2/2025	
21	16	1603.2	**1603.2 Outside Hose Bibbs**	Keep as shown in the 2024 UPC	**1603.2 Outside Hose Bibbs**. Outside hose bibbs shall be allowed on rainwater piping systems. Hose bibbs supplying rainwater shall be marked with the words: "CAUTION: NONPOTABLE RAINWATER, DO NOT DRINK" and in Figure 1603.2.	**1602.9.1 Outside Hose Bibbs.** Outside hose bibbs shall be allowed on rainwater piping systems. Hose bibbs supplying rainwater shall be marked with the words: "CAUTION: NONPOTABLE WATER, DO NOT DRINK" and Figure 1602.9.1	4/2/2025	
22	16	1603.0	**1603.0 Design and Installation.**	Keep as shown in the 2024 UPC	**1603.0 Design and Installation.**		4/2/2025	
23	16	1603.0	**1603.0 Rainwater Storage Tanks.**	Keep as shown in the 2024 UPC	**1603.0 Rainwater Storage Tanks.**	**1603.0 Rainwater Storage Tanks.**	4/2/2025	

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24	16	1603.5	**1603.5 Rainwater Storage Tanks**	Keep as shown in the 2024 UPC	**1603.5 Rainwater Storage Tanks.** Rainwater storage tanks shall comply with IAPMO/ANSI Z1002 and be installed in accordance with Section 1603.6 through Section 1603.12.	**1603.1 General.** Rainwater storage tanks shall be constructed and installed in accordance with Section 1603.2 through Section 1603.9.	4/2/2025	
25	16	1603.6	**1603.6 Location.**	Keep as shown in the 2024 UPC	**1603.6 Location.** Rainwater storage tanks shall be permitted to be installed above or below grade.	**1603.3 Location.** Rainwater storage tanks shall be permitted to be installed above or below grade.	4/2/2025	
26	16	1603.7	**1603.7 Above Grade.**	Keep as shown in the 2024 UPC	**1603.7 Above Grade.** Above grade, storage tanks shall be of an opaque material, approved for aboveground use in direct sunlight or shall be shielded from direct sunlight. Tanks shall be installed in an accessible location to allow for inspection and cleaning. The tank shall be installed on a foundation or platform that is constructed to accommodate loads in accordance with the building code.	**1603.4 Above Grade.** Above grade, storage tanks shall be of an opaque material, approved for aboveground use in direct sunlight or shall be shielded from direct sunlight. Tanks shall be installed in an accessible location to allow for inspection and cleaning. The tank shall be installed on a foundation or platform that is constructed to accommodate loads in accordance with the building code.	4/2/2025	
27	16	1603.8	**1603.8 Below Grade.**	Keep as shown in the 2024 UPC	**1603.8 Below Grade.** Rainwater storage tanks installed below grade shall be structurally designed to withstand anticipated earth or other loads. Holding tank covers shall be capable of supporting an earth load of not less than 300 pounds per square foot (lb/ft2) (1465 kg/m2) where the tank is designed for underground installation. Below grade rainwater tanks installed underground shall be provided with manholes. The manhole opening shall be not less than 20 inches (508 mm) in diameter and located not less than 4 inches (102 mm) above the surrounding grade. The surrounding grade shall be sloped away from the manhole. Underground tanks shall be ballasted, anchored, or otherwise secured, to prevent the tank from floating out of the ground where empty. The combined weight of the tank and hold down system shall meet or exceed the buoyancy force of the tank.	**1603.5 Below Grade**. Rainwater storage tanks installed below grade shall be structurally designed to withstand anticipated earth or other loads. Holding tank covers shall be capable of supporting an earth load of not less than 300 pounds per square foot (lb/ft2) (1465 kg/m2) where the tank is designed for underground installation. Below grade rainwater tanks installed underground shall be provided with manholes. The manhole opening shall be not less than 20 inches (508 mm) in diameter and located not less than 4 inches (102 mm) above the surrounding grade. The surrounding grade shall be sloped away from the manhole. Underground tanks shall be ballasted, anchored, or otherwise secured, to prevent the tank from floating out of the ground where empty. The combined weight of the tank and hold down system shall meet or exceed the buoyancy force of the tank.	4/2/2025	

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28	16	1603.9	**1603.9 Drainage and Overflow.**	Keep as shown in the 2024 UPC	**1603.9 Drainage and Overflow.** Rainwater storage tanks shall be provided with a means of draining and cleaning. The overflow drain shall not be equipped with a shutoff valve. The overflow outlet shall discharge in accordance with this code for storm drainage systems. Where discharging to the storm drainage system, the overflow drain shall be protected from backflow of the storm drainage system by a backwater valve or other approved method.	**1603.6 Drainage and Overflow.** Rainwater storage tanks shall be provided with a means of draining and cleaning. The overflow drain shall not be equipped with a shutoff valve. The overflow outlet shall discharge in accordance with this code for storm drainage systems. Where discharging to the storm drainage system, the overflow drain shall be protected from backflow of the storm drainage system by a backwater valve or other approved method.	4/2/2025	
29	16	1603.4	**TABLE 1603.4 MINIMUM WATER QUALITY**	Keep as shown in the 2024 UPC	**TABLE 1603.4 MINIMUM WATER QUALITY**		4/2/2025	
30	16	1603.9.1	**1603.9.1 Overflow Outlet Size.**	Keep as shown in the 2024 UPC	**1603.9.1 Overflow Outlet Size.** The overflow outlet shall be sized to accommodate the flow of the rainwater entering the tank and not less than the aggregate crosssectional area of inflow pipes.	**1603.6.1 Overflow Outlet Size.** The overflow outlet shall be sized to accommodate the flow of the rainwater entering the tank and not less than the aggregate crosssectional area of inflow pipes.	4/2/2025	
31	16	1603.11	**1603.11 Marking.**	Keep as shown in the 2024 UPC	**1603.11 Marking.** Rainwater tanks shall be permanently marked with the capacity and the language: “NONPOTABLE RAINWATER.” Where openings are provided to allow a person to enter the tank, the opening shall be marked with the following language: “DANGER-CONFINED SPACE.”	**1603.8 Marking.** Rainwater tanks shall be permanently marked with the capacity and the language: “NONPOTABLE RAINWATER.” Where openings are provided to allow a person to enter the tank, the opening shall be marked with the following language: “DANGER-CONFINED SPACE.”	4/2/2025	
32	16	1603.13	**1603.13 Pumps.**	Keep as shown in the 2024 UPC	1603.13 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 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.	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.	4/2/2025	

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Line #	Chapter	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee Meeting	(A)ccept (R)eject (M)odify
33	16	1603.16	**1603.16 Freeze Protection.**	Keep as shown in the 2024 UPC	1603.16 Freeze Protection. Tanks and piping installed in locations subject to freezing shall be provided with an approved means of freeze protection.	1603.13 Freeze Protection. Tanks and piping installed in locations subject to freezing shall be provided with an approved means of freeze protection.	4/2/2025	
34	16	1603.17	**1603.17 Debris Removal.**	Keep as shown in the 2024 UPC	1603.17 Debris Removal. The rainwater catchment conveyance system shall be equipped with a debris excluder or other approved means to prevent the accumulation of leaves, needles, other debris and sediment from entering the storage tank. Devices or methods used to remove debris or sediment shall be accessible and sized and installed in accordance with manufacturer's installation instructions.	1603.14 Debris Removal. The rainwater catchment conveyance system shall be equipped with a debris excluder or other approved means to prevent the accumulation of leaves, needles, other debris and sediment from entering the storage tank. Devices or methods used to remove debris or sediment shall be accessible and sized and installed in accordance with manufacturer's installation instructions.	4/2/2025	
35	16	1603.20	**1603.20 Rainwater Diversion Valves.**	Keep as shown in the 2024 UPC	1603.20 Rainwater Diversion Valves. Rainwater diversion valves ranging from 2 inches (50 mm) through 4 inches (100 mm) in diameter shall comply with IAPMO PS 59. Rainwater diversion valves ranging from 6 inches (150 mm) to 12 inches (300 mm) in diameter shall comply with IAPMO IGC 352. Valves shall be accessible and include a filter located upstream of the valve when required.		4/2/2025	
36	16	1604.0	1604.0 Signs.	Keep as shown in the 2024 UPC	1604.0 Signs.	1604.0 Signs.	4/2/2025	
37	16	1604.1	**1604.1 General.**	Keep as shown in the 2024 UPC	1604.1 General. Signs in buildings using rainwater shall be in accordance with Section 1604.2 and Section 1604.3.	1604.1 General. Signs in buildings using rainwater shall be in accordance with Section 1604.2 and Section 1604.3.	4/2/2025	

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 16 (Keep 2024 UPC)

Line #	Chapter	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee Meeting	(A)ccept (R)eject (M)odify
38	16	1604.2	**1604.2 Commercial,**	Keep as shown in the 2024 UPC	1604.2 Commercial, Industrial, and Institutional Restroom Signs. A sign shall be installed in restrooms in commercial, industrial, and institutional occupancies using nonpotable rainwater for water closets, urinals, or both. Each sign shall contain 1⁄2 of an inch (12.7 mm) letters of a highly visible color on a contrasting background. The location of the sign(s) shall be such that the sign(s) shall be visible to users. The number and location of the signs shall be approved by the Authority Having Jurisdiction and shall contain the following text: TO CONSERVE WATER, THIS BUILDING USES RAINWATER TO FLUSH TOILETS AND URINALS.	*1604.2 Commercial, Industrial, and Institutional Restroom Signs. A sign shall be installed in restrooms in commercial, industrial, and institutional occupancies using nonpotable rainwater for water closets, urinals, or both. Each sign shall contain 1⁄2-inch (12.7 mm) letters of a highly visible color on a contrasting background. The location of the sign(s) shall be such that the sign(s) shall be visible to users. Each sign shall contain one of the following texts as determined by the application: 1604.2 (A) TO CONSERVE WATER, THIS BUILDING USES RAINWATER TO FLUSH TOILETS AND URINALS. 1604.2 (B) TO CONSERVE WATER, THIS BUILDING USES RAINWATER TO FLUSH TOILETS. 1604.2 (C) TO CONSERVE WATER, THIS BUILDING USES RAINWATER TO FLUSH URINALS. 1604.2 (D) TO CONSERVE WATER, THIS BUILDING USES RAINWATER TO *_____*. *_____* shall indicate the rainwater usage.*	4/2/2025	
39	16	1604.3	**1604.3 Equipment Room Signs.**	Keep as shown in the 2024 UPC	1604.3 Equipment Room Signs. Each equipment room containing nonpotable rainwater equipment shall have a sign posted with the following wording in 1 inch (25.4 mm) letters: CAUTION NONPOTABLE RAINWATER, DO NOT DRINK. DO NOT CONNECT TO DRINKING WATER SYSTEM. NOTICE: CONTACT BUILDING MANAGEMENT BEFORE PERFORMING ANY WORK ON THIS WATER SYSTEM. This sign shall be posted in a location that is visible to anyone working on or near rainwater equipment.	1604.3 Equipment Room Signs. Each equipment room containing nonpotable rainwater equipment shall have a sign posted with the following wording in 1 inch (25.4 mm) letters: CAUTION NONPOTABLE RAINWATER, DO NOT DRINK. DO NOT CONNECT TO DRINKING WATER SYSTEM. NOTICE: CONTACT BUILDING MANAGEMENT BEFORE PERFORMING ANY WORK ON THIS WATER SYSTEM. This sign shall be posted in a location that is visible to anyone working on or near rainwater water equipment.	4/2/2025	
40	16	1605.0	**1605.0 Inspection and Testing.**	Keep as shown in the 2024 UPC	1605.0 Inspection and Testing.	1605.0 Inspection and Testing.	4/2/2025	
41	16	1605.1	**1605.1 General.**	Keep as shown in the 2024 UPC	1605.1 General. Rainwater catchment systems shall be inspected and tested in accordance with Section 1605.2 and Section 1605.3.	1605.1 General. Rainwater catchment systems shall be inspected and tested in accordance with Section 1605.2 and Section 1605.3	4/2/2025	

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 16 (Keep 2024 UPC)

Line #	Chapter	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee Meeting	(A)ccept (R)eject (M)odify
42	16	1605.2	**1605.2 Supply System Inspection and Test.**	Keep as shown in the 2024 UPC	1605.2 Supply System Inspection and Test. Rainwater catchment systems shall be inspected and tested in accordance with the applicable provisions of this code for testing of potable water and storm drainage systems. Storage tanks shall be filled with water to the overflow opening for a period of 24 hours, and during the inspection, or by other means as approved by the Authority Having Jurisdiction. Seams and joints shall be exposed during the inspection and checked for watertightness.	1605.2 Supply System Inspection and Test. Rainwater catchment systems shall be inspected and tested in accordance with the applicable provisions of this code for testing of potable water and storm drainage systems. Storage tanks shall be filled with water to the overflow opening for a period of 24 hours, and during the inspection, or by other means as approved by the Authority Having Jurisdiction. Seams and joints shall be exposed during the inspection and checked for watertightness.	4/2/2025	
43	16	1605.3.3	**1605.3.3 Discovery of Cross-Connection.**	Keep as shown in the 2024 UPC	1605.3.3 Discovery of Cross-Connection. In the event that a cross-connection is discovered, the following procedure, in the presence of the Authority Having Jurisdiction, shall be activated immediately: (1) Rainwater catchment piping to the building shall be shutdown at the meter, and the rainwater riser shall be drained. (2) Potable water piping to the building shall be shutdown at the meter. (3) The cross-connection shall be uncovered and disconnected. (4) The building shall be retested following procedures listed in Section 1605.3.1 and Section 1605.3.2. (5) The potable water system shall be chlorinated with 50 ppm chlorine for 24 hours. (6) The potable water system shall be flushed after 24 hours, and a standard bacteriological test shall be performed. Where test results are acceptable, the potable water system shall be permitted to be recharged.	1605.3.3 Discovery of Cross-Connection. In the event that a cross-connection is discovered, the following procedure, in the presence of the Authority Having Jurisdiction, shall be activated immediately: (1) Rainwater catchment water piping to the building shall be shut down at the meter and the rainwater water riser shall be drained. (2) Potable water piping to the building shall be shut down at the meter. (3) The cross-connection shall be uncovered and disconnected. (4) The building shall be retested following procedures listed in sections 1605.3.1 and 1605.3.2. (5) The potable water system shall be chlorinated with 50 ppm chlorine for 24 hours. (6) The potable water system shall be flushed after 24 hours, and a standard bacteriological test shall be performed. Where test results are acceptable, the potable water system shall be permitted to be recharged.	4/2/2025	

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 17

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Committee Review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
	Chapter 17				Print out meeting minutes for 3/5/25	3/5/2025		
					Print out meeting minutes for 4/2/25	4/2/2025		
					Print out meeting minutes for 6/4/25	6/4/2025		
		1101.12.2.2	PB0207	Table 1701.1	7/2/2025 RFA PB0207 amended at meeting and approved	7/2/2025		
					See corresponding PDF for redlined version of Chapter 17 of the 2024 UPC			