

# Meeting Minutes: SPECIAL Plumbing Board

Date: May 14, 2021  
Time: 9:30 a.m.  
Minutes by: Lyndy Logan  
Location: WebEx Event

## Members

1. Sam Arnold
2. Richard Becker (Secretary)
3. Michael Dryke
4. Kent Erickson
5. Mike Herman (Vice Chair)
6. Rick Jacobs (Chair)
7. Natasha Lawrence
8. Troy Seitz
9. Scott Stewart
10. Cathy Tran (DLI Commissioner's Designee)
11. Rick Wahlen
12. Shane Willis  
Anita Anderson (Temp MDH CO's Des. – NV)

## DLI Staff & Visitors

Suzanne Todnem (Gen. Counsel, DLI)  
Lyndy Logan (DLI)  
Brad Jensen (DLI)  
Jim Peterson (DLI)  
Adam Hanson (ABC)  
Mike Johnson (J-Berd Mech)  
Jeff Keogh (City of Chanhassen)  
Stephanie Menning (MUCA)  
Jami Neiber (Scott County)  
Gary Schick (City of Rochester)  
Brian Soderholm (Water Control Corp)  
Trevor Sorensen (Prinsco)  
Gary Thaden (MMCA)

## Members Absent

Justin Parizek  
David Weum (MDH CO's Designee – NV)

### 1. **Call to Order, Chair Presiding**

- A. The meeting was called to order by Chair Jacobs at 9:31 AM. Roll call was taken by the Secretary and a quorum was declared with 12 of 13 voting members, and one non-voting member (Anderson), present via WebEx.
- B. Announcements – Introductions (members and attendees)
  - Statement from the Chair and/or Attorney regarding virtual meetings: Thank you for joining this remote meeting via WebEx. As the board chair, I have determined today's meeting is via the WebEx platform due to the current status of the state of Minnesota operating under the peacetime emergency due to the COVID-19 pandemic. Per Minnesota Statutes, section 13D.021, of the Open Meeting Law, electronic meetings are acceptable when an in-person meeting is "not practical or prudent because of a health pandemic or an emergency declared under Chapter 12."
  - Board members and attendees present on this WebEx are able to hear all discussions.
  - All handouts discussed and WebEx instructions are posted on the Board's website at: <https://www.dli.mn.gov/about-department/boards-and-councils/plumbing-board>

- All votes will be by roll call.
- WebEx instructions/procedures were read aloud.

## 2. Approval of meeting agenda

A motion was made by Herman, seconded by Becker, to approve the agenda as presented. The roll call vote was unanimous with 12 votes in favor; the motion carried.

## 3. Regular Business Approval of expense reports – Jacobs approved.

## 4. Special Business

- A. Review Plumbing Code corrections and solutions – New rule draft posted at: <https://www.dli.mn.gov/about-department/rulemaking/rulemaking-docket-minn-r-chpt-4714-2018-upc>
- All changes below address conflicts or confusion; there were no substantive changes. **See Attachment A – effective date of Dec. 17, 2021, or 5 days after Notice of Adoption of the 2020 MN Plumbing Code, whichever date is latest.**
- a. Sections 1107, 712, 1601 and 1602
  - b. Referenced sections in Table 1701.1
  - c. Add effective date language.

**A motion was made by Becker, seconded by Arnold, to authorize the chair to open a good cause exempt rulemaking, a narrow regular rulemaking, or both, and is authorized to take all steps necessary to complete a good cause exempt rule making if approved by the Administrative Law Judge, to address these and similar corrections discussed today. The roll call vote was unanimous with 12 votes in favor; the motion carried.**

## 5. Announcements

Next regularly scheduled meetings in 2021, 9:30 a.m., in-person or via WebEx

- July 20, 2021 (Annual meeting – officer nominations) – remote/in-person TBD
- October 19, 2021

## 6. Adjournment

A motion was made by Wahlen, seconded by Becker, to adjourn the meeting at 10:25 a.m. The roll call vote was unanimous with 12 votes in favor of the motion; the motion passed.

Respectfully submitted,

*Richard Becker*

Richard Becker  
Board Secretary

1 Chapter 4714: Renumbering Corrections to 2020 MPC

2 4714.1107 TESTING.

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

4 **1107.1 Testing Required.** Building storm drainage systems that are new and parts of existing  
5 systems that have been altered, extended, or repaired shall be tested in accordance with  
6 section 712 to disclose leaks and defects, except as provided in section 1107.2-~~3~~. Any section  
7 of the building storm sewer that passes through contaminated soils or contaminated water  
8 must be air tested in accordance with section 712.3.

9 Subp. 2. **Section 1107.2-~~3~~.** UPC ~~subsection 1107.2-3 and its subsections are~~ is amended to read as  
10 follows:

11 **1107.2-~~3~~ Exceptions.**

12 **(A)** Testing is not required for:

13 (1) outside leaders;

14 (2) perforated or open drain tile; or

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

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

24 4714.0712 TESTING.

25 [No change to subpart 1.]

26

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

28 follows:

29

30 **712.4 Negative Test.** Concrete manholes and sewer lines shall be tested by negative pressure in  
31 accordance with ASTM Standards C1214-19 and C1244-17 or the Hydrostatic Test Method in  
32 section 1107.2-~~3~~(B).

33 **712.5 Finished Plumbing.** After the plumbing fixtures have been set and their traps filled with  
34 water, their connections shall be tested and proven gastight and watertight by plugging the

35 stack openings on the roof and the building drain where it leaves the building, and air  
36 introduced into the system equal to the pressure of a 1-inch water column. Such pressure shall  
37 remain constant for 15 minutes or the duration of the inspection without the introduction of  
38 additional air.

39 **712.6 Test Plugs or Caps.** Test plugs or caps for roof terminals shall extend above or outside  
40 the end of the vent pipe to provide a visible indication for removal after the test has been  
41 completed.  
42

#### 43 4714.1601 GENERAL.

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

45 **1601.1 Applicability.** The provisions of this chapter shall apply to the installation, construction,  
46 alteration, and repair of rainwater catchment systems for nonpotable applications listed in section  
47 1602.1.

48 **1601.1.1 Irrigation.** Rainwater catchment systems used for lawn irrigation are not covered  
49 under this chapter.

50 **1601.1.2 Combination Systems.** Rainwater catchment systems used for lawn irrigation in  
51 combination with any uses listed in section 1602.1 shall meet the requirements of this chapter.  
52 The irrigation system shall be separated by an air gap or proper backflow protection as required  
53 for potable water.

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

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

56 1601.7 Minimum Water Quality Requirements. The minimum water quality for rainwater catchment  
57 systems shall comply with the applicable water quality requirements for the intended application as  
58 determined by the Authority Having Jurisdiction. Water quality for nonpotable rainwater catchment  
59 systems shall comply with Section 1602.9.6.

#### 60 **Exceptions:**

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

63 ~~(2) Water treatment is not required for rainwater catchment systems used for subsurface or~~  
64 ~~drip irrigation.~~  
65

66 Subp. ~~24~~. **Section 1601.11.** UPC section 1601.11 is amended to read as follows:

67 **1601.11 Abandonment.** All rainwater catchment systems that are no longer in use and fail to be  
68 maintained in accordance with section 1601.5 shall be considered abandoned. Abandoned rainwater  
69 catchment systems are subject to sections 1601.11.1 and 1601.11.2.

70 **1601.11.1 General.** Every abandoned rainwater catchment system or part thereof covered  
71 under the scope of this chapter, as amended in this code, shall be disconnected from any

72 remaining systems, drained, plugged, and capped per the requirements of this code. Storm  
73 drainage systems of abandoned rainwater catchment systems must comply with chapter 11,  
74 Storm Drainage, as amended.

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

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

#### 81 4714.1602 NONPOTABLE RAINWATER CATCHMENT SYSTEMS

82 [Subparts 1-8 remain unchanged.]

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

#### 84 4714.1701 REFERENCED STANDARDS.

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

STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTIONS
<a href="#"><u>ASME A112.3.1-2007</u></a>	<a href="#"><u>Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below-Ground</u></a>	<a href="#"><u>Piping</u></a>	418.1, <a href="#"><u>423.1</u></a> , <a href="#"><u>Table 701.2, 705.7.2, 1102.1</u></a>
<a href="#"><u>ASME A112.6.3-2001</u></a>	<a href="#"><u>Floor and Trench Drains</u></a>	<a href="#"><u>Fixtures</u></a>	418.1, <a href="#"><u>423.1</u></a>
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- <del>3</del> (B)

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

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