

# Minutes: SPECIAL Plumbing Board meeting

Date: June 17, 2019  
Time: 9:30 a.m.  
Minutes by: Lyndy Logan  
Location: Minnesota Room, Department of Labor and Industry  
443 Lafayette Road No., St. Paul, MN 55117-4344

## **Members**

Alex Bartley (DOH Commissioner’s Designee)  
Richard Becker  
Jeff Brown – via teleconference  
Michael Dryke – via teleconference  
Kent Erickson  
John Flagg  
Mike Herman  
Rick Jacobs (Chair)  
Justin Parizek – via teleconference  
Phillip Sterner (Secretary – arrived at 2 pm)  
Cathy Tran (DLI Commissioner’s Designee)  
David Wagner

## **Members Absent**

None

## **DLI Staff & Visitors**

Suzanne Todnem, General Counsel (DLI)  
Lyndy Logan (DLI)  
Jim Peterson (DLI)  
Brad Jensen (DLI)  
Jami Neiber (City of Scott County – via teleconference)  
Scott Thompson (My Plumbing Training)  
Mike Johnson (J-Berd Mechanical)  
Fonda Ruth Thompson (My Plumbing Training)  
Stephanie Menning (MN Utility Contractors)  
Jennifer Schaff (County)  
Matt Marciniak (IAPMO)  
Jim Gander  
Trevor Ogilvie (City of Minneapolis)  
Tim Power (MNLA)  
David Radziej (Metro PHCC)  
Tom Pahkala (UA Local 15)

### **1. Call to Order**

The meeting was called to order by Chair Jacobs at 9:30 a.m. Roll call was taken by the Chair and a quorum was declared with 10 of 11 voting members [Sterner joined the meeting at 2 p.m.], and one non-voting member, present in person or via teleconference. Introductions and housekeeping announcements were made.

### **2. Approval of meeting agenda**

A motion was made by Herman, seconded by Flagg, to approve the agenda as presented. The roll call vote was unanimous with 10 votes in favor; the motion carried.

### **3. Regular Business**

Approval of expense reports – Jacobs approved the expenses as presented.

#### 4. **Special Business**

Discuss 2018 Uniform Plumbing Code and review “Ad Hoc Code Review and Rulemaking Committee 2018 UPC Recommendations to the Board” document – **See Attachment A.**

**See Attachment B** for meeting discussion and accepted, rejected, or modified recommendations to the above-referenced document.

The Board broke for lunch from 11 a.m. to noon – upon returning only Mike Dryke was present via teleconference and Phil Sterner joined the meeting at 2:00 p.m. A quorum was maintained throughout the meeting.

#### 5. **Announcements**

The next regularly scheduled meeting will be held at 9:30 a.m. in the Minnesota Room and the Executive Committee will meet at 8:30 a.m.

A. July 16, 2019 (annual meeting)

#### 6. **Adjournment**

A motion was made by Becker, seconded by Flagg, to adjourn the meeting at 3 p.m. The roll call vote was unanimous with 9 votes in favor of the motion; the motion passed.

Respectfully submitted,

*Phil Sterner*

Phil Sterner, Board Secretary

## Ad Hoc Code Review and Rulemaking Committee 2018 UPC Recommendations to the Board

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
1.	PB0097	RFA	Thomas Johnson	Chapter 1	Add chapter 1 of the UPC into the Plumbing Code	<b>Proposal:</b> add chapter 1 of the UPC to the Plumbing Code.  <b>Recommendation:</b> do not add chapter 1 of the UPC because MN uses rule chapter 1300 for code administration.			
2.	Letter	N/A	Jeff Quinn, Farr Plumbing and Heating		Letter to Board re: Dishwasher air gaps, venting floor drains, boiler water fill, for next rule cycle.	Addressed in RFAs below.			
3.	<a href="#">PB0135</a>	RFA (2018 UPC) Also see Final Interpretation at line #8	DLI	Chapter 2 definitions	Definition of "building supply" and registered design professional	<b>Proposal:</b> amend definitions of "building supply" and change term "Registered Professional Engineer" to "Registered Design Professional"  <b>Recommendation:</b> amend the definitions of "building supply" and "Registered Professional Engineer" as proposed. See <a href="#">PB0135</a> .			
4.	<a href="#">PB0128</a>	RFA (2018 UPC)	Scott Thompson	Chapter 2	Definition of "floor drain" and "floor drain – emergency"	<b>Proposal:</b> amend definition of "floor drain" and "floor drain – emergency" as proposed.  <b>Recommendation:</b> define "floor drain – emergency" as "Floor drains that are located in restrooms, under emergency eyewash/shower equipment and in laundry rooms." No definition for "floor drain."			
5.	<a href="#">PB0137</a>	RFA (2018 UPC)	MDH	Chapter 2	Definition of "potable water"	<b>Proposal:</b> amend definition of "potable water" as proposed.  <b>Recommendation:</b> leave definition of "potable water" as is in 2018 UPC.			

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6.	<a href="#">PB0129</a>	RFA (2018 UPC)	Scott Thompson	Chapter 2	Definition of "quick-acting valve"	<p><b>Proposal:</b> amend definition of "quick-acting valve" as proposed</p> <p><b>Recommendation:</b> Full-board discussion</p>			
7.	<a href="#">PB0083</a>	Final Interpretation	Patrick Lorio, City of Minneapolis	2012 UPC, sections 414.3 & 807.4, MN Rule 4714.0050	Air gap fittings and drainage from domestic dishwashers	<p><b>Question:</b> May a domestic dishwasher be drained to a lower floor, without the installation of an approved air gap fitting with an indirect drain?</p> <p><b>Answer:</b> No. The Minnesota Plumbing Board interprets UPC Sections 414.3 and 807.4 as incorporated into the Minnesota Plumbing Code by Minnesota Rule 4714.0050, to require a domestic dishwasher to discharge through a listed air gap fitting. The air gap fitting must be referenced in chapter 14 of the 2012 UPC as amended by Minnesota Rules chapter 4714.</p>		5.11.2016: No, a domestic dishwasher cannot drain to a lower floor without the installation of an approved air gap fitting with an indirect drain. The air gap fitting must be referenced in chap 14 of the 2012 UIPC as amended by MN Rules chapter 4714	
8.	<a href="#">Definition of "Building Supply"</a>  See also PB0135	Final Interpretation	Gordon Granse, Polyethylene Technology	2012 UPC section 204.0, MN Rule 4714.0050	Definition of Building Supply	<p><b>Question:</b> Is the pipe supplying water to a water meter or pressure tank inside the building considered part of the building supply?</p> <p><b>Answer:</b> Yes.</p>		Final Interpretation issued (in response to a letter) May 11, 2016. Yes, the pipe supplying water to a water meter or pressure tank inside the building is considered part of the building supply.	
9.	<a href="#">PB0085</a>	Final Interpretation	David Henrich, Bergerson	2012 UPC section 204, Table	Use of polyethylene	<p><b>Question:</b> Based on the Plumbing Board's May 11, 2016, Final Interpretation, can polyethylene piping,</p>		Final Interpretation issued June 15,	

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	See also PB0135		Caswell, Inc./MN Water Well Assoc	604.1, and IS 7 (2.6.1), MN Rule, part 4714.0050	pipng for building supply piping	when used for building supply, be installed inside and under buildings?  <b>Answer:</b> Yes.		2016. Yes, polyethylene piping, when used for building supply, can be installed inside and under buildings	
10.	<a href="#">PB0088</a>	Final Interpretation	Sean Flaherty, President MN Chapter of the NFSA	Sec. 603.5.15, part 4714.0050	Double Check backflow prevention assemblies (DC) and double check detector fire protection backflow prevention assemblies that are an integral part of a fire protection system.	<b>Question:</b> Is additional backflow protection required if all of the following conditions are met: (1) an individual licensed under Minnesota Statutes chapter 299M installs a fire protection system; (2) the fire protection system includes as an integral component a double check backflow prevention assembly (DC) that meets ASSE 1015 and meets the requirements of NFPA 13, Parts 8.16.1.1.3.1 and 8.16.1.1.3.2 or a double check detector fire protection backflow prevention assembly that meets ASSE 1048 and meets the requirements of NFPA 13, Parts 8.16.1.1.3.1 and 8.16.1.1.3.2; and (3) neither a reduced pressure principle backflow prevention assembly nor a reduced pressure detector fire protection backflow prevention assembly is required by section 603.5.15.1 of the Minnesota Plumbing Code?  <b>Answer:</b> No. Uniform Plumbing Code section 603.5.23, as adopted in the Minnesota Plumbing Code, Minn. R. parts 4716.0096 and 4716.0097, and Minn. Stat. § 326B.437 still apply to the backflow assembly		Final interpretation issued March 20, 2017	

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11.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0301	chapters 3-5, various	(1) <b>Proposal:</b> Delete Minn. rule part 4714.0301 (default to use 2018 UPC)  <b>Recommendation:</b> Delete Minn. rule part 4714.0301			
12.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	301.2.5	chapters 3-5, various	(2) <b>Proposal:</b> Delete 2018 UPC sec. 301.2.5 (Existing Buildings) in its entirety. Already addressed in Minn. rule 4714.0101, subparts 3 and 6.  <b>Recommendation:</b> Delete 2018 UPC sec. 301.2.5 in its entirety.			
13.	<a href="#">N/A</a>	N/A	Committee	312 and 313	Pipe expansion	<b>Proposal:</b> Becker to make tables to address ΔT 50 (conditioned space) and ΔT 100 (unconditioned space).  <b>Recommendation:</b> Use table made by Becker based on ΔT 50 and ΔT 100			
14.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	Table 313.3	chapters 3-5, various	(4) <b>Proposal:</b> Add footnote 6 to Table 313.3.  <b>Recommendation:</b> DLI will bring recommendation to Board for discussion. See also Item 13 above as part of discussion			
15.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0314	chapters 3-5, various	(3) <b>Proposal:</b> Delete Minn. rule 4714.0314 (default to use 2018 UPC for tunneling/trenching)  <b>Recommendation:</b> Delete Minn. rule 4714.0314			
16.	<a href="#">N/A</a>	N/A	Committee	407.4	Transient Public Lavatories	<b>Proposal:</b> delete section 407.4 Transient Public Lavatories  <b>Recommendation:</b> delete section 407.4 of 2018 UPC.			
17.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0409	chapters 3-5, various	(5) <b>Proposal:</b> Amend Minn. rule 4714.0409			

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						<b>Recommendation:</b> Amend rule part 4714.0409 to reflect the additions of nationally recognized standards in the body of the code that are also referenced standards under Chapter 17 of the UPC 2018, strike IAPMO IGC 155 references (see PB0102)			
18.	<a href="#">PB0090</a> <a href="#">PB0099</a> <a href="#">PB0101</a> <a href="#">PB0110</a>	RFA	Multiple	4714.0414.3	Redundancy - Dishwasher listed air gap device	<b>Proposal:</b> Delete “through an air gap fitting in accordance with Section 807.4 in section 414.3 and delete section 807.4.  <b>Recommendation:</b> add language to sections 414.3 and 807.3, “or run the discharge line as high as possible under the countertop, securely fastened.” (Section 807.3 of 2018 UPC renumbered section 807.4) See <a href="#">1/14/19 Ad Hoc meeting minutes</a> .			
19.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0418	chapters 3-5, various	<b>Proposal:</b> Amend Minn. rule 4714.0418, regarding section 418.7, add a reference to other sections (1017, 1009.1, 1011.1, and 1017.1)  <b>Recommendation:</b> Full Board review; committee recommends adding definitions for “open parking garage” and “enclosed parking garage.”			
20.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0421	chapters 3-5, various	<b>Proposal:</b> Use 2018 UPC language, delete Minn. rule 4714.0421, result: change temperature from 110 degrees F to 120 degrees F (relocated to section 407.3 in 2018 UPC).  <b>Recommendation:</b> delete Minn. rule 4714.0421, result: change temperature from 110 degrees F to 120 degrees F.			

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21.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0501	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0501 to exclude chimneys, vents and their connectors because not plumbing.</p> <p><b>Recommendation:</b> Amend Minn. rule 4714.0501 to exclude chimneys, vents and their connectors because not plumbing.</p>			
22.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0504	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0504, subp. 2, to add "Discharge piping shall be installed in accordance with Section 608.5."</p> <p><b>Recommendation:</b> Amend Minn. rule 4714.0504, subp. 2, to add "Discharge piping shall be installed in accordance with Section 608.5." Delete "[NFPA 54: 10.25.5]" that is in the rule.</p>			
23.	N/A	N/A	Committee	505.4.1	Single-wall heat exchanger	<p>Discussion of the change for single-wall exchange in UPC 2018, Section 505.4.1, and current Minn. rule 603.5.4.1. Minn. Rule does not have a heat-transfer medium that is listed as a toxicity rating or Class of 1.</p> <p>No recommendation.</p>			
24.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0507	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0507, subp. 2 regarding Relief Valve Discharge, to replace the Minnesota amendment and use 2018 UPC language.</p> <p><b>Recommendation:</b> Amend Minn rule 4714.507, subp. 2 regarding Relief Valve Discharge, to replace the Minnesota amendment and use 2018 UPC language.</p>			

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25.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0508	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0508 to effectively use 2018 UPC language for 508.4 Appliances in Attics and Under-Floor Spaces, and maintain deletion of sections 508.0 to 508.3.3.</p> <p><b>Recommendation:</b> Amend Minn. rule 4714.0508 to effectively use 2018 UPC language for 508.4 Appliances in Attics and Under-Floor Spaces, and maintain deletion of sections 508.0 to 508.3.3.</p>			
26.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0509	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0509 to include deletion of UPC section 509.15, Venting Of Appliances.</p> <p><b>Recommendation:</b> delete section 509 in its entirety, including 509.15, of the 2018 UPC.</p>			
27.	<a href="#">PB0104</a>	RFA (2018 UPC)	Richard Becker	509-510.2.27	Delete those section in their entirety	<p><b>Proposal:</b> Delete UPC sections 509.0 through 510.2.27 in their entirety.</p> <p><b>Recommendation:</b> Delete UPC sections 509.0 through 510.2.27; these deletions already covered in other recommendation or already in Minn. rule 4714.0510.</p>			
28.	N/A			4714.0511	Delete 4714.0511	<p><b>Proposal:</b> Delete Minn. rule 4714.0511 because no section 511 in 2018 UPC.</p> <p><b>Recommendation:</b> Delete 4714.0511.</p>			
29.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	4714.0601	Various chapter 6 proposals (DLI)	<p><b>Proposal:</b> renumber section 601 (4714.0601) to 602, per 2018 UPC</p> <p><b>Recommendation:</b> correct numbering</p>			
30.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	4714.0603	Various chapter 6 proposals (MDH)	<p><b>Proposal:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 1 as is.</p>			

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						<b>Recommendation:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 1 as is. (No action necessary)			
31.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	4714.0603	Various chapter 6 proposals (MDH)	<p><b>Proposal:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 5.</p> <p><b>Recommendation:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 5. (No action necessary)</p>			
32.	<a href="#">PB0092</a>	Final Interpretation	Douglas R. Morin	603.2	Double check assembly	<p><b>Question 1:</b> Can a backflow preventer approved to ASSE 1022 be installed on a domestic water line serving a combi-oven pursuant to Minnesota Plumbing Code section 603.2?</p> <p><b>Answer:</b> No. Table 603.2 explicitly states that a backflow preventer approved to ASSE 1022 is appropriate for carbonated beverage machines or dispensers. A combi-oven is not a carbonated beverage machine or dispenser. UPC section 603.2, as adopted in chapter 4714, requires backflow prevention devices or assemblies to comply with Table 603.2.</p> <p><b>Question 2:</b> Is a backflow preventer approved to ASSE 1012 a suitable device for the installation on a combi-oven under section 603.2 when approved by the Authority Having Jurisdiction?</p> <p><b>Answer:</b> Yes. ASSE 1012 is not specifically listed in Table 603.2. Devices approved to ASSE 1012 are not explicitly</p>			

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						addressed as approved devices in Table 603.2 so the Authority Having Jurisdiction must approve its use, including for use on a combi-oven.			
33.	<a href="#">PB0098</a>	Final Interpretation	Thomas Johnson	4714.0603.2 and table	Whether an AVP can have a valve downstream.	Pending litigation.		Final Interpretation issued 10/8/2018;	
34.	<a href="#">PB0100</a>	RFA	Joel Hipp	Table 603.2	Table 603.2, Atmospheric Vacuum Breaker Installation	<p><b>Proposal:</b> Amend Table 603.2 (and 1401) to replace “No valve downstream” with “have outlet open to atmospheric pressure” consistent with the 2017 edition of ASSE 1001.</p> <p><b>Recommendation:</b> leave language as is in the code because proposed amendment would require updating reference to the 2017 edition of ASSE for consistency; concern that updating this referenced standard edition could lead to other referenced standard updates, which would defeat the purpose of adopting a model code.</p>			
35.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	603.5.8	Various chapter 6 proposals (DLI)	<p><b>Proposal:</b> renumber 603.5.18 to 603.5.17</p> <p><b>Recommendation:</b> renumber</p>			
36.	<a href="#">PB0105</a> <a href="#">PB0116</a>	RFA (2018 UPC)	Scott Eggen, Steve Tiedman	603.5.10	Exception to Steam or Hot Water Boilers	<p><b>Proposal:</b> Amend section 603.5.10 by adding an exception for 1- and 2-family dwellings.</p> <p><b>Recommendation:</b> do not add an exception for 1- and 2-family homes; use 2018 UPC language as is.</p>			
37.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	603.5.18	Various chapter 6 proposals (MDH)	<p><b>Proposal:</b> Renumber section 603.5.18 to 603.5.17 to reflect 2018 UPC numbering.</p>			

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						<b>Recommendation:</b> Renumber section 603.5.18 to 603.5.17.			
38.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	603.5.21	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Section 603.5.21 is new to the 2018 UPC, keep it incorporated as is. <b>Recommendation:</b> Incorporate (new) 2018 UPC section 603.5.21 as is. (No action necessary)			
39.	<a href="#">PB0114</a> <a href="#">PB0115</a>	RFA (2018 UPC)	DLI	4714.0604	Various chapter 6 proposals (DLI)	<b>Proposal:</b> repeal rule Minn. rule 4714.0604 in its entirety. <b>Recommendation:</b> repeal Minn. rule 4714.0604. Use 2018 UPC language re: lead content (604.2)			
40.	<a href="#">PB0137</a>	RFA (2018 UPC)	MDH	604.2 (formerly 604.11)	Amend 2018 UPC language re: potable water and lead content	<b>Proposal:</b> amend 2018 UPC language regarding definition of potable water and Section 604.2 on lead content by revising “water for human consumption” to “potable water” (Committee recommends deleting MN amendment) <b>Recommendation:</b> do not amend; use 2018 UPC language.			
41.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	604.11	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Do not amend Minn. rule section 604.11, keep the 2018 UPC language. <b>Recommendation:</b> Do not amend section 604.11, keep the 2018 UPC language (604.2). (No action necessary)			
42.	<a href="#">PB0118</a>	RFA (2018 UPC)	Rich Olson	Table 604.1, chapter 14	Add NSF SE 17304 to the Referenced Standards Fittings column for CPVC fittings in Table 604.1	<b>Proposal:</b> Amend Table 604.1 and add NSF SE 17304 to the Referenced Standards chapter. <b>Recommendation:</b> do not amend Table 604.1 to add NSF SE 17304.			

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43.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	604.10	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Renumber Minn. rule 604.10 to 604.9 to reflect 2018 UPC numbering. <b>Recommendation:</b> Renumber 604.10 to 604.9			
44.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	607.3	Drinking water protection	<b>Proposal:</b> Amend 2018 UPC section 607.3 for potable water tanks <b>Recommendation:</b> Amend 2018 UPC section 607.3 as written in the RFA.			
45.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	607.4	Tanks used in commercial settings	<b>Proposal:</b> Amend 2018 UPC section 607.4 <b>Recommendation:</b> Amend 2018 UPC section 607.4 as written in RFA except last sentence of RFA language should read: "Overflow pipe shall discharge through an air gap."			
46.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	4714.0608	Various chapter 6 proposals (DLI)	<b>Proposal:</b> <b>AMEND</b> Minn. rule 4714.0608, use 2018 UPC language. <b>Recommendation:</b> use the 2018 UPC but amend 608.5 and use the verbiage as presented in PB0115.			
47.	<a href="#">PB0103</a>	RFA (2018 UPC)	Brent Marsolek, Dave Wagner	UPC 609.1, 312.6	UPC sec. 609.1. Installation	<b>Proposal:</b> amend 2018 UPC sections 312.6 , 609.1 <b>Recommendation:</b> Amend water pipe bury depth requirements: "Building supply and yard piping shall be not less than 12 inches (305 mm) below the maximum local frost depth in accordance with Section 312.6, or an alternative approved by the Authority Having Jurisdiction." PB to define "maximum frost depth" or find a published source of maximum frost depth.			

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48.	<a href="#">PB0113</a>	RFA	Brent Marsolek, Dave Wagner	4714. 609	Meter location, section 609.11	<p><b>Proposal:</b> amend Minn. rule 4714.0609.11 to require water meters be located as close as possible to the point of entrance of the potable water supply pipe.</p> <p><b>Recommendation:</b> amend Minn. rule 4714.0609.11 as drafted in RFA.</p>			
49.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	609.6 and 611.0 through 611.3	Various chapter 6 proposals (MDH)	<p><b>Proposal:</b> Maintain Minnesota amendments in rule chapter 4714 to sections 609.6 and 611.0 through 611.3.</p> <p><b>Recommendation:</b> Maintain Minnesota amendments to sections 609.6 and 611.0 through 611.3.</p>			
50.	<a href="#">PB0106</a> <a href="#">PB0129</a>	RFA (2018 UPC)	Multiple	609.10	Quick acting valves, water hammer, section 609.10	<p><b>Proposal:</b> define "quick-acting valve" as used in section 609.10.</p> <p><b>Recommendation:</b> Full-board discussion</p>			
51.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	609.11 to 609.12	Various chapter 6 proposals (MDH)	<p><b>Proposal:</b> Renumber in Minn. rule, section 609.11 to 609.12, keep Minnesota amendment.</p> <p><b>Recommendation:</b> Renumber in Minn. rule, section 609.11 to 609.12, keep Minnesota amendment.</p>			
52.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	611.3.1	Various chapter 6 proposals (DLI)	<p><b>Proposal:</b> add subsection 611.5 to Minn. rule 4714.0611</p> <p><b>Recommendation:</b> add subsection 611.5 as proposed. See <a href="#">RFA PB0115</a>.</p>			
53.	<a href="#">PB0119</a>	RFA (2018 UPC)	Jason Kruger	Table 701.2	Amend Table 701.1 to allow the use of reinforced concrete pipe as described in ASTM C76	<p><b>Proposal:</b> Amend Table 701.2 of Chapter 7 to add ASTM C76 reinforced concrete pipes and ASTM C443 as proposed</p>			

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						<b>Recommendation:</b> amend as proposed with addition of footnote stating, “**For storm sewer application only”			
54.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	701.1	chapter 7, various	<b>Proposal:</b> minor corrections and renumbering to coordinate with numbering changes in the 2018 UPC  <b>Recommendation:</b> amend as proposed. See <a href="#">3/11/19 meeting minutes</a> .			
55.	<a href="#">PB0107</a>	RFA (2018 UPC)	Aaron Ganson	Table(s) 701.1 (and 1701.1)	polypropylene pipe per ASTM F2764, Table 701.1 and Table 1701.1 (referenced standards)	<b>Proposal:</b> Add polypropylene pipe per ASTM F2736 and ASTM F2764 to Tables 701.1 and 1701.1 for sanitary building sewers. See <a href="#">3/11/19 meeting minutes</a> .  <b>Recommendation:</b> add the ASTM standards, and joints and connections section as proposed (with updated numbering per the UPC 2018).			
56.	<a href="#">PB0133</a>	RFA (2018 UPC)	Robert G Moore	Table 701.1	Add ASTM F2562 to Table 701.1	<b>Proposal:</b> add ASTM F2562 standard to Table 701.1 (renumbered Table 701.2)  <b>Recommendation:</b> do nothing, do not add ASTM F2562 to Table 701.1.			
57.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	705.10.2 Expansion Joints	chapter 7, various	<b>Proposal:</b> delete Minnesota rule amendment and use the 2018 UPC language  <b>Recommendation:</b> amend as proposed (use the 2018 UPC language)			
58.	<a href="#">PB0121</a> <a href="#">PB0108</a> <a href="#">PB0109</a>	RFA (2018 UPC)	DLI	707.4.1	chapter 7, various	<b>Proposal:</b> eliminate the cleanout requirement for back-to-back (or common) vertical fixture drains installed at same level by deleting Section 707.4.1  <b>Recommendation:</b> delete section 707.4.1			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)ect (M)odify
59.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	707.4	chapter 7, various	<b>Proposal:</b> delete exception #3 of Section 707.4  <b>Recommendation:</b> keep exception #3 (DLI can review the RFA and resubmit)			
60.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	710.10	chapter 7, various	<b>Proposal:</b> add an exception to Section 710.10 for vents serving elevator sumps and pool sumps to not terminate through the roof  <b>Recommendation:</b> amend as proposed, add an exception.			
61.	<a href="#">PB0096</a>	Final Interpretation	Peter Daniels, PE	710.10 and 906.4	Do Plumbing Code sections 710.10 and 906.4 apply to exterior sumps and receiving tanks?	<b>Final Interpretation:</b> Yes, if the sump and receiving tank are located within in the property lines and not covered by a utility easement. If the sump and receiving tank are covered by a utility easement, then the Plumbing Code does not apply.		Final Interpretation issued on 8/29/2018	
62.	<a href="#">PB0127</a>	RFA (2018 UPC)	Scott Thompson	Sec. 712.1	Amend section 712.1 [and 4714.0712, subp. 1]	<b>Proposal:</b> repeal MN amendment to section 712.1 and use 2018 UPC 712.1 language.  <b>Recommendation:</b> keep current MN amendment in Minn. <a href="#">rule part 4714.0712</a> .			
63.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	715 - CIPP	chapter 7, various	<b>Proposal:</b> amend Minn. rule 4714.0715 regarding section 715.3 to reflect the language of UPC 2018  <b>Recommendation:</b> full board should have a full discussion and make a decision on this proposed change. See <a href="#">3/11/19 ad hoc meeting minutes</a> for discussion notes.			
64.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	717.1, Table 717.1	chapter 7, various	<b>Proposal:</b> add language to provide an option for the AHJ to accept fixture loading less than the minimum fixture loading required by this table for			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						building sewers while maintaining the minimum scouring pipe velocity of two feet per second: "Loadings less than the listed minimums must be approved by the Authority Having Jurisdiction."  <b>Recommendation:</b> add language as proposed. See <a href="#">RFA PB0121</a> .			
65.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	719.6	chapter 7, various	<b>Proposal:</b> add an additional option to join pipe to manholes and similar structures to provide a water tight connection  <b>Recommendation:</b> amend as proposed. See <a href="#">3/11/19 meeting minutes</a> .			
66.	<a href="#">PB0136</a>	RFA (2018 UPC)	DLI	4714.0724	Add a table to section 724, Recreational Vehicle, drainage pipe sizes	<b>Proposal:</b> amend section 724.1 as proposed  <b>Recommendation:</b> Amend section 724.1 as proposed in <a href="#">PB0136</a> .			
67.	<a href="#">PB0131</a>	RFA (2018 UPC)	Cathy Tran, DLI	810.1	Chapter 8, various	<b>Proposal:</b> Amend 810.1 Steam and Hot Water Drainage Condensers and Sumps and delete sections 810.1 (remaining) to 814.1 (see RFA PB0131)  <b>Recommendation:</b> amend as proposed. See <a href="#">3/29/19 meeting minutes</a> .			
68.	<a href="#">PB0131</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0813	Chapter 8, various	<b>Proposal:</b> amend current Minn. rule 4714.0813 SWIMMING POOLS  <b>Recommendation:</b> amend as proposed. See <a href="#">3/29/19 meeting minutes</a> .			
69.	<a href="#">PB0130</a>	RFA (2018 UPC)	Scott Thompson	905.3	Adopt 2018 UPC section 905.3 in its entirety	<b>Proposal:</b> adopt Section 905.3 of the 2018 UPC in its entirety, delete MN amendment to section 905.3 in Minn. rule 4714.0905			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						<b>Recommendation:</b> no recommendation, full board to consider the proposal. See <a href="#">3/29/19 meeting minutes</a> .			
70.	<a href="#">PB0117</a>	RFA (2018 UPC)	Dennis Anderson	908.2	delete 908.2	<b>Proposal:</b> delete section 908.2 in its entirety (Horizontal Wet Venting for a Bathroom Group)  <b>Recommendation:</b> keep section 908.2 in its entirety.			
71.	<a href="#">PB0122</a>	RFA (2018 UPC)	Richard Blaylock	911	add/keep section 911.0 through 911.5	<b>Proposal:</b> adopt circuit venting method under 2018 UPC  <b>Recommendation:</b> adopt circuit venting method (no action necessary to include)			
72.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1002.2 Fixture traps	Chapter 10	<b>Proposal:</b> add an exception to 1002.2: "Exception: Emergency floor drains, tell tail floor drains, and floor drains not used as waste receptors installed within 25 feet of a vented branch or main."  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
73.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1006.1	Chapter 10	<b>Proposal:</b> Add an exception to the end of 1006.1: "Exception: Floor drains or trench drains which connect to sand interceptors or oil and flammable liquid interceptors do not need to be trapped."  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
74.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1016.4	Chapter 10	<b>Proposal:</b> Amend section 1016.4  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
75.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1017.1	Chapter 10	<b>Proposal:</b> Amend section 1017.1  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
76.	<a href="#">PB0111</a>	RFA (2018 UPC)	Ken Loucks	1014.2.2	Exception to section 1014.2.2 vents	<b>Proposal:</b> Add an exception to Section 1014.2.2 Vent <b>Recommendation:</b> do not add exception, leave 2018 UPC language as is.			
77.	<a href="#">PB0112</a>	RFA (2018 UPC)	Mike Johnson	1017.2	Design of interceptors, section 1017.2	<b>Proposal:</b> Establish set sizing for garages used for storage with 10 or more vehicles <b>Recommendation:</b> amend section 1017.2 and add subsection 1017.2.1, to read as stated in <a href="#">3/29/19 meeting minutes</a> .			
78.	<a href="#">PB0123</a>	RFA (2018 UPC)	Aaron Ganson	Table 1101.4.5	Add materials and standards to Building Storm Sewers, create Table 1101.4.5	<b>Proposal:</b> create a table in chapter 11 and add referenced standards to the table, or add the referenced standards to Table 701.2. <b>Recommendation:</b> Do not create table in Chapter 11. Include F2306 and F2881 standards for storm sewer use only, include F2648 for yard drainage only, to Table 701.2, add proposed joints language, to section 1101.4.5 and referenced standards 1701.1. Add joints and connections section as proposed (with updated numbering per the UPC 2018),			
79.	<a href="#">PB0125</a>	RFA (2018 UPC)	Cathy Tran, DLI	1101.11.2.1 and 1101.11.2.2	Chapter 11, various	<b>Proposal:</b> add subsections 1101.11.2.1 Location and 1101.11.2.2 Engineered System. <b>Recommendation:</b> amend as submitted. See <a href="#">PB0125</a> .			
80.	<a href="#">PB0125</a>	RFA (2018 UPC)	Cathy Tran, DLI	Chapter 11	Chapter 11, various	Proposal: amend sections 1103.1 and 1103.2 (renumbered from 1106). Add to both sections.			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						<b>Recommendation:</b> amend as submitted. See <a href="#">PB0125</a> .			
81.	<a href="#">PB0132</a>	RFA (2018 UPC)	Arthur Schwidder	1106	Add a new section 1106.5 Sump Manhole/Catch Basin with Vertical Baffle	<b>Proposal:</b> require a minimum of 18 inches between nearest inlet pipe and a vertical baffle  <b>Recommendation:</b> take no action, do not require a minimum of 18 inches.			
82.	<a href="#">PB0124</a>	RFA (2018 UPC)	MDH	Chapter 15	Do not adopt chapter 15	<b>Proposal:</b> Do not adopt chapter 15  <b>Recommendation:</b> do not incorporate chapter 15.			
83.	<a href="#">PB0124</a>	RFA (2018 UPC)	MDH	Table 1702.9.4	Update Table 1702.9.4	<b>Proposal:</b> Amend Table 1702.9.4 as proposed.  <b>Recommendation:</b> amend Table 1702.9.4 as proposed in <a href="#">PB0124</a> .			
84.	N/A	N/A	Committee	Chpts. 16, 17	Chpts. 16, 17	<b>Proposal:</b> Keep current chapter 17 regarding rainwater catchment systems (renumber as appropriate for consistency with 2018 UPC), with RFA proposals recommended			
85.	N/A	N/A	Committee	App. E	App. E	<b>Proposal:</b> do not include Appendix E in the Minnesota Plumbing Code  <b>Recommendation:</b> do not include Appendix E in the Minnesota Plumbing Code			

PB = Minnesota Plumbing Board

Accept, Reject, Deny column = in reference to the Board's determination in regard to the committee's recommendation

Some PB numbers are not included for a variety of reasons (e.g., RFA was withdrawn, RFA/RFI was incomplete, was for the plumber licensing chapter, etc.).

All UPC section and table numbers that have changed in the 2018 UPC will be adjusted as necessary, even if not indicated on this table. The substantive change is addressed here and renumbering corrections will be made as necessary for any proposed rules stemming from this document.

## Ad Hoc Code Review and Rulemaking Committee 2018 UPC Recommendations to the Board

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)ject (M)odify
1.	PB0097	RFA	Thomas Johnson	Chapter 1	Add chapter 1 of the UPC into the Plumbing Code	<b>Proposal:</b> add chapter 1 of the UPC to the Plumbing Code. <b>Recommendation:</b> do not add chapter 1 of the UPC because MN uses rule chapter 1300 for code administration.			
2.	Letter	N/A	Jeff Quinn, Farr Plumbing and Heating		Letter to Board re: Dishwasher air gaps, venting floor drains, boiler water fill, for next rule cycle.	Addressed in RFAs below.			
3.	<a href="#">PB0135</a>	RFA (2018 UPC) Also see Final Interpretation at line #8	DLI	Chapter 2 definitions	Definition of "building supply" and registered design professional	<b>Proposal:</b> amend definitions of "building supply" and change term "Registered Professional Engineer" to "Registered Design Professional" <b>Recommendation:</b> amend the definitions of "building supply" and "Registered Professional Engineer" as proposed. See <a href="#">PB0135</a> .			
4.	<a href="#">PB0128</a>	RFA (2018 UPC)	Scott Thompson	Chapter 2	Definition of "floor drain" and "floor drain – emergency"	<b>Proposal:</b> amend definition of "floor drain" and "floor drain – emergency" as proposed. <b>Recommendation:</b> define "floor drain – emergency" as "Floor drains that are located in restrooms, under emergency eyewash/shower equipment and in laundry rooms." No definition for "floor drain."			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
5.	<a href="#">PB0137</a>	RFA (2018 UPC)	MDH	Chapter 2	Definition of "potable water"	<b>Proposal:</b> amend definition of "potable water" as proposed.  <b>Recommendation:</b> leave definition of "potable water" as is in 2018 UPC.			
6.	<a href="#">PB0129</a>	RFA (2018 UPC)	Scott Thompson	Chapter 2	Definition of "quick-acting valve"	<b>Proposal:</b> amend definition of "quick-acting valve" as proposed  <b>Recommendation:</b> Full-board discussion			
7.	<a href="#">PB0083</a>	Final Interpretation	Patrick Lorio, City of Minneapolis	2012 UPC, sections 414.3 & 807.4, MN Rule 4714.0050	Air gap fittings and drainage from domestic dishwashers	<b>Question:</b> May a domestic dishwasher be drained to a lower floor, without the installation of an approved air gap fitting with an indirect drain?  <b>Answer:</b> No. The Minnesota Plumbing Board interprets UPC Sections 414.3 and 807.4 as incorporated into the Minnesota Plumbing Code by Minnesota Rule 4714.0050, to require a domestic dishwasher to discharge through a listed air gap fitting. The air gap fitting must be referenced in chapter 14 of the 2012 UPC as amended by Minnesota Rules chapter 4714.		5.11.2016: No, a domestic dishwasher cannot drain to a lower floor without the installation of an approved air gap fitting with an indirect drain. The air gap fitting must be referenced in chap 14 of the 2012 UIPC as amended by MN Rules chapter 4714	
8.	<a href="#">Definition of "Building Supply"</a>  See also PB0135	Final Interpretation	Gordon Granse, Polyethylene Technology	2012 UPC section 204.0, MN Rule 4714.0050	Definition of Building Supply	<b>Question:</b> Is the pipe supplying water to a water meter or pressure tank inside the building considered part of the building supply?  <b>Answer:</b> Yes.		Final Interpretation issued (in response to a letter) May 11, 2016. Yes, the pipe supplying water to a water meter or pressure tank inside the building is considered part of the building supply.	
9.	<a href="#">PB0085</a>  See also PB0135	Final Interpretation	David Henrich, Bergerson Caswell, Inc./MN	2012 UPC section 204, Table 604.1, and IS 7	Use of polyethylene piping for building supply piping	<b>Question:</b> Based on the Plumbing Board's May 11, 2016, Final Interpretation, can polyethylene piping, when used for building		Final Interpretation issued June 15, 2016. Yes, polyethylene piping, when used for building supply, can be installed inside and under buildings	

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
			Water Well Assoc	(2.6.1), MN Rule, part 4714.0050		supply, be installed inside and under buildings?  <b>Answer:</b> Yes.			
10.	<a href="#">PB0088</a>	Final Interpretation	Sean Flaherty, President MN Chapter of the NFSA	Sec. 603.5.15, part 4714.0050	Double Check backflow prevention assemblies (DC) and double check detector fire protection backflow prevention assemblies that are an integral part of a fire protection system.	<p><b>Question:</b> Is additional backflow protection required if all of the following conditions are met: (1) an individual licensed under Minnesota Statutes chapter 299M installs a fire protection system; (2) the fire protection system includes as an integral component a double check backflow prevention assembly (DC) that meets ASSE 1015 and meets the requirements of NFPA 13, Parts 8.16.1.1.3.1 and 8.16.1.1.3.2 or a double check detector fire protection backflow prevention assembly that meets ASSE 1048 and meets the requirements of NFPA 13, Parts 8.16.1.1.3.1 and 8.16.1.1.3.2; and (3) neither a reduced pressure principle backflow prevention assembly nor a reduced pressure detector fire protection backflow prevention assembly is required by section 603.5.15.1 of the Minnesota Plumbing Code?</p> <p><b>Answer:</b> No. Uniform Plumbing Code section 603.5.23, as adopted in the Minnesota Plumbing Code, Minn. R. parts 4716.0096 and 4716.0097, and Minn. Stat. § 326B.437 still apply to the backflow assembly</p>		Final interpretation issued March 20, 2017	

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
11.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0301	chapters 3-5, various	(1) <b>Proposal:</b> Delete Minn. rule part 4714.0301 (default to use 2018 UPC) <b>Recommendation:</b> Delete Minn. rule part 4714.0301	6/17/19	The Board agreed to accept recommendation as presented. The Board previously determined that 4714 is the controlling document and the 2018 UPC would be adopted as the reference.	Accept
12.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	301.2.5	chapters 3-5, various	(2) <b>Proposal:</b> Delete 2018 UPC sec. 301.2.5 (Existing Buildings) in its entirety. Already addressed in Minn. rule 4714.0101, subparts 3 and 6. <b>Recommendation:</b> Delete 2018 UPC sec. 301.2.5 in its entirety.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
13.	N/A	N/A	Committee	312 and 313	Pipe expansion	<b>Proposal:</b> Becker to make tables to address ΔT 50 (conditioned space) and ΔT 100 (unconditioned space). <b>Recommendation:</b> Use table made by Becker based on ΔT 50 and ΔT 100	6/17/19	Becker said he would revise the tables to incorporate formulas for ABS and PVC and bring back to the Board at a later date.	Modify
14.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	Table 313.3	chapters 3-5, various	(4) <b>Proposal:</b> Add footnote 6 to Table 313.3. <b>Recommendation:</b> DLI will bring recommendation to Board for discussion. See also Item 13 above as part of discussion	6/17/19	Table 313.3 is connected to the above tables; therefore, it will be discussed when tables above are revised and brought back to Board.	Modify
15.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0314	chapters 3-5, various	(3) <b>Proposal:</b> Delete Minn. rule 4714.0314 (default to use 2018 UPC for tunneling/trenching) <b>Recommendation:</b> Delete Minn. rule 4714.0314	6/17/19	The Board agreed to accept recommendation as presented.	Accept

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
16.	<a href="#">N/A</a>	N/A	Committee	407.4	Transient Public Lavatories	<b>Proposal:</b> delete section 407.4 Transient Public Lavatories  <b>Recommendation:</b> delete section 407.4 of 2018 UPC.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
17.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0409	chapters 3-5, various	(5) <b>Proposal:</b> Amend Minn. rule 4714.0409  <b>Recommendation:</b> Amend rule part 4714.0409 to reflect the additions of nationally recognized standards in the body of the code that are also referenced standards under Chapter 17 of the UPC 2018, strike IAPMO IGC 155 references (see PB0102)	6/17/19	The Board agreed to accept recommendation as presented.	Accept
18.	<a href="#">PB0090</a> <a href="#">PB0099</a> <a href="#">PB0101</a> <a href="#">PB0110</a>	RFA	Multiple	4714.0414.3	Redundancy - Dishwasher listed air gap device	<b>Proposal:</b> Delete “through an air gap fitting in accordance with Section 807.4 in section 414.3 and delete section 807.4.  <b>Recommendation:</b> add language to sections 414.3 and 807.3, “or run the discharge line as high as possible under the countertop, securely fastened.” (Section 807.3 of 2018 UPC renumbered section 807.4) See <a href="#">1/14/19 Ad Hoc meeting minutes</a> .	6/17/19	The Board agreed to accept recommendation as presented.  Note: Tran noted that the recommendation as presented is correct. Marciniak previously confirmed that IGC 155 (2018 version) was superseded by ASME A112.19.7 (2012 version).	Accept
19.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0418	chapters 3-5, various	<b>Proposal:</b> Amend Minn. rule 4714.0418, regarding section 418.7, add a reference to other sections (1017, 1009.1, 1011.1, and 1017.1)  <b>Recommendation:</b> Full Board review; committee recommends adding definitions	6/17/19	The Board agreed to accept recommendation as presented.  Currently neither are defined; therefore, DLI references the building code for “open parking garage” and “enclosed parking garage” definitions.	Accept

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						for "open parking garage" and "enclosed parking garage."			
20.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0421	chapters 3-5, various	<p><b>Proposal:</b> Use 2018 UPC language, delete Minn. rule 4714.0421, result: change temperature from 110 degrees F to 120 degrees F (relocated to section 407.3 in 2018 UPC).</p> <p><b>Recommendation:</b> delete Minn. rule 4714.0421, result: change temperature from 110 degrees F to 120 degrees F.</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept
21.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0501	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0501 to exclude chimneys, vents and their connectors because not plumbing.</p> <p><b>Recommendation:</b> Amend Minn. rule 4714.0501 to exclude chimneys, vents and their connectors because not plumbing.</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept
22.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0504	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0504, subp. 2, to add "Discharge piping shall be installed in accordance with Section 608.5."</p> <p><b>Recommendation:</b> Amend Minn. rule 4714.0504, subp. 2, to add "Discharge piping shall be installed in accordance with Section 608.5." Delete "[NFPA 54: 10.25.5]" that is in the rule.</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept
23.	N/A	N/A	Committee	505.4.1	Single-wall heat exchanger	Discussion of the change for single-wall exchange in UPC 2018, Section 505.4.1, and current Minn. rule 603.5.4.1. Minn. Rule does not have a heat-transfer medium that is listed as a toxicity rating or Class of 1.	6/17/19	No recommendation	No Action

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
						No recommendation.			
24.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0507	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0507, subp. 2 regarding Relief Valve Discharge, to replace the Minnesota amendment and use 2018 UPC language.</p> <p><b>Recommendation:</b> Amend Minn rule 4714.507, subp. 2 regarding Relief Valve Discharge, to replace the Minnesota amendment and use 2018 UPC language.</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept
25.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0508	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0508 to effectively use 2018 UPC language for 508.4 Appliances in Attics and Under-Floor Spaces, and maintain deletion of sections 508.0 to 508.3.3.</p> <p><b>Recommendation:</b> Amend Minn. rule 4714.0508 to effectively use 2018 UPC language for 508.4 Appliances in Attics and Under-Floor Spaces, and maintain deletion of sections 508.0 to 508.3.3.</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept
26.	<a href="#">PB0102</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0509	chapters 3-5, various	<p><b>Proposal:</b> Amend Minn. rule 4714.0509 to include deletion of UPC section 509.15, Venting Of Appliances.</p> <p><b>Recommendation:</b> delete section 509 in its entirety, including 509.15, of the 2018 UPC.</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept
27.	<a href="#">PB0104</a>	RFA (2018 UPC)	Richard Becker	509-510.2.27	Delete those section in their entirety	<p><b>Proposal:</b> Delete UPC sections 509.0 through 510.2.27 in their entirety.</p> <p><b>Recommendation:</b> Delete UPC sections 509.0 through 510.2.27; these deletions</p>	6/17/19	The Board agreed to accept recommendation as presented.	Accept

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						already covered in other recommendation or already in Minn. rule 4714.0510.			
28.	N/A			4714.0511	Delete 4714.0511	<b>Proposal:</b> Delete Minn. rule 4714.0511 because no section 511 in 2018 UPC. <b>Recommendation:</b> Delete 4714.0511.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
29.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	4714.0601	Various chapter 6 proposals (DLI)	<b>Proposal:</b> renumber section 601 (4714.0601) to 602, per 2018 UPC <b>Recommendation:</b> correct numbering	6/17/19	The Board agreed to accept recommendation as presented.	Accept
30.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	4714.0603	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 1 as is. <b>Recommendation:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 1 as is. (No action necessary)	6/17/19	The Board agreed to accept recommendation as presented.	Accept
31.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	4714.0603	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 5. <b>Recommendation:</b> Keep the current Minnesota amendment in Minn. rule 4714.0603, subp. 5. (No action necessary)	6/17/19	The Board agreed to accept recommendation as presented.	Accept
32.	<a href="#">PB0092</a>	Final Interpretation	Douglas R. Morin	603.2	Double check assembly	<b>Question 1:</b> Can a backflow preventer approved to ASSE 1022 be installed on a domestic water line serving a combi-oven pursuant to Minnesota Plumbing Code section 603.2?	6/17/19	No action necessary – clarification only	No action

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
						<p><b>Answer:</b> No. Table 603.2 explicitly states that a backflow preventer approved to ASSE 1022 is appropriate for carbonated beverage machines or dispensers. A combi-oven is not a carbonated beverage machine or dispenser. UPC section 603.2, as adopted in chapter 4714, requires backflow prevention devices or assemblies to comply with Table 603.2.</p> <p><b>Question 2:</b> Is a backflow preventer approved to ASSE 1012 a suitable device for the installation on a combi-oven under section 603.2 when approved by the Authority Having Jurisdiction?</p> <p><b>Answer:</b> Yes. ASSE 1012 is not specifically listed in Table 603.2. Devices approved to ASSE 1012 are not explicitly addressed as approved devices in Table 603.2 so the Authority Having Jurisdiction must approve its use, including for use on a combi-oven.</p>			
33.	<a href="#">PB0098</a>	Final Interpretation	Thomas Johnson	4714.0603.2 and table	Whether an AVP can have a valve downstream.	Pending litigation.		Final Interpretation issued 10/8/2018;	
34.	<a href="#">PB0100</a>	RFA	Joel Hipp	Table 603.2	Table 603.2, Atmospheric Vacuum Breaker Installation	<b>Proposal:</b> Amend Table 603.2 (and 1401) to replace “No valve downstream” with “have outlet open to atmospheric pressure” consistent with the 2017 edition of ASSE 1001.	6/17/19	The Board agreed to accept recommendation as presented.	Accept

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
						<b>Recommendation:</b> leave language as is in the code because proposed amendment would require updating reference to the 2017 edition of ASSE for consistency; concern that updating this referenced standard edition could lead to other referenced standard updates, which would defeat the purpose of adopting a model code.			
35.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	603.5.8	Various chapter 6 proposals (DLI)	<b>Proposal:</b> renumber 603.5.18 to 603.5.17 <b>Recommendation:</b> renumber	6/17/19	The Board agreed to accept recommendation as presented.	Accept
36.	<a href="#">PB0105</a> <a href="#">PB0116</a>	RFA (2018 UPC)	Scott Eggen, Steve Tiedman	603.5.10	Exception to Steam or Hot Water Boilers	<b>Proposal:</b> Amend section 603.5.10 by adding an exception for 1- and 2-family dwellings. <b>Recommendation:</b> do not add an exception for 1- and 2-family homes; use 2018 UPC language as is.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
37.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	603.5.18	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Renumber section 603.5.18 to 603.5.17 to reflect 2018 UPC numbering. <b>Recommendation:</b> Renumber section 603.5.18 to 603.5.17.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
38.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	603.5.21	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Section 603.5.21 is new to the 2018 UPC, keep it incorporated as is. <b>Recommendation:</b> Incorporate (new) 2018 UPC section 603.5.21 as is. (No action necessary)	6/17/19	The Board agreed to accept recommendation as presented.	Accept

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
39.	<a href="#">PB0114</a> <a href="#">PB0115</a>	RFA (2018 UPC)	DLI	4714.0604	Various chapter 6 proposals (DLI)	<b>Proposal:</b> repeal rule Minn. rule 4714.0604 in its entirety. <b>Recommendation:</b> repeal Minn. rule 4714.0604. Use 2018 UPC language re: lead content (604.2)	6/17/19	The Board agreed to accept recommendation as presented.	Accept
40.	<a href="#">PB0137</a>	RFA (2018 UPC)	MDH	604.2 (formerly 604.11)	Amend 2018 UPC language re: potable water and lead content	<b>Proposal:</b> amend 2018 UPC language regarding definition of potable water and Section 604.2 on lead content by revising “water for human consumption” to “potable water” (Committee recommends deleting MN amendment) <b>Recommendation:</b> do not amend; use 2018 UPC language.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
41.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	604.11	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Do not amend Minn. rule section 604.11, keep the 2018 UPC language. <b>Recommendation:</b> Do not amend section 604.11, keep the 2018 UPC language (604.2). (No action necessary)	6/17/19	The Board agreed to accept recommendation as presented.	Accept
42.	<a href="#">PB0118</a>	RFA (2018 UPC)	Rich Olson	Table 604.1, chapter 14	Add NSF SE 17304 to the Referenced Standards Fittings column for CPVC fittings in Table 604.1	<b>Proposal:</b> Amend Table 604.1 and add NSF SE 17304 to the Referenced Standards chapter. <b>Recommendation:</b> do not amend Table 604.1 to add NSF SE 17304.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
43.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	604.10	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Renumber Minn. rule 604.10 to 604.9 to reflect 2018 UPC numbering. <b>Recommendation:</b> Renumber 604.10 to 604.9	6/17/19	The Board agreed to accept recommendation as presented.	Accept

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
44.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	607.3	Drinking water protection	<b>Proposal:</b> Amend 2018 UPC section 607.3 for potable water tanks <b>Recommendation:</b> Amend 2018 UPC section 607.3 as written in the RFA.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
45.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	607.4	Tanks used in commercial settings	<b>Proposal:</b> Amend 2018 UPC section 607.4 <b>Recommendation:</b> Amend 2018 UPC section 607.4 as written in RFA except last sentence of RFA language should read: "Overflow pipe shall discharge through an air gap."	6/17/19	The Board agreed to accept recommendation as presented in chart – The word "No" is removed from the last sentence as shown in PB0114. "No Overflow may be connected directly to any drain, sanitary sewer, or storm sewer"	Accept
46.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	4714.0608	Various chapter 6 proposals (DLI)	<b>Proposal:</b> repeal Minn. rule 4714.0608, use 2018 UPC language. <b>Recommendation:</b> repeal part 4714.0608	6/17/19	The Board modified the proposal and recommendation as shown below and accepted the modified recommendation. <b>MODIFIED Proposal:</b> Amend Minn. rule 4714.0608, use 2018 UPC language.  <b>MODIFIED Recommendation:</b> Amend MN Rule 4714.0608, use the 2018 UPC but amend 608.5 and use the verbiage as presented in PB0115.	Accept modified language
47.	<a href="#">PB0103</a>	RFA (2018 UPC)	Brent Marsolek, Dave Wagner	UPC 609.1, 312.6	UPC sec. 609.1. Installation	<b>Proposal:</b> amend 2018 UPC sections 312.6 , 609.1 <b>Recommendation:</b> Amend water pipe bury depth requirements: "Building supply and yard piping shall be not less than 12 inches (305 mm) below the maximum local frost depth in accordance with Section 312.6, or an alternative approved by the Authority Having Jurisdiction." PB to define	6/17/19	The recommendation matches NFPA 24 and the Board agreed to accept the recommendation with <b>no need for the PB to define "maximum frost depth" or find a published source of maximum frost depth.</b>  Wagner and Tran no longer need to review and bring a revised recommendation back to the Board as discussed earlier.	Accept as modified

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
						"maximum frost depth" or find a published source of maximum frost depth.			
48.	<a href="#">PB0113</a>	RFA	Brent Marsolek, Dave Wagner	4714. 609	Meter location, section 609.11	<b>Proposal:</b> amend Minn. rule 4714.0609.11 to require water meters be located as close as possible to the point of entrance of the potable water supply pipe.  <b>Recommendation:</b> amend Minn. rule 4714.0609.11 as drafted in RFA.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
49.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	609.6 and 611.0 through 611.3	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Maintain Minnesota amendments in rule chapter 4714 to sections 609.6 and 611.0 through 611.3.  <b>Recommendation:</b> Maintain Minnesota amendments to sections 609.6 and 611.0 through 611.3.	6/17/19	The Board agreed to accept recommendation as presented.	Accept
50.	<a href="#">PB0106</a> <a href="#">PB0129</a>	RFA (2018 UPC)	Multiple	609.10	Quick acting valves, water hammer, section 609.10	<b>Proposal:</b> define "quick-acting valve" as used in section 609.10.  <b>Recommendation:</b> Full-board discussion	6/17/19	The Board agreed that it would be too difficult to define "quick-acting valve" and after much discussion agreed to table this item.	Table
51.	<a href="#">PB0114</a>	RFA (2018 UPC)	MDH	609.11 to 609.12	Various chapter 6 proposals (MDH)	<b>Proposal:</b> Renumber in Minn. rule, section 609.11 to 609.12, keep Minnesota amendment.  <b>Recommendation:</b> Renumber in Minn. rule, section 609.11 to 609.12, keep Minnesota amendment.	6/17/19	The Board rejected the recommendation as presented because section 609.11 would be replaced. Pipe insulation removed.	Reject
52.	<a href="#">PB0115</a>	RFA (2018 UPC)	DLI	611.3.1	Various chapter 6 proposals (DLI)	<b>Proposal:</b> add subsection 611.3.1 to Minn. rule 4714.0611	6/17/19	The Board agreed to accept modified proposal and recommendation as shown below. <b>MODIFIED Proposal:</b> add subsection 611.5 to Minn. rule 4714.0611	Accept as modified

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						<b>Recommendation:</b> add subsection 611.3.1 as proposed. See <a href="#">RFA PB0115</a> .		<b>MODIFIED Recommendation:</b> add subsection 611.5 as proposed. See <a href="#">RFA PB0115</a> .	
53.	<a href="#">PB0119</a>	RFA (2018 UPC)	Jason Kruger	Table 701.2	Amend Table 701.1 to allow the use of reinforced concrete pipe as described in ASTM C76	<b>Proposal:</b> Amend Table 701.2 of Chapter 7 to add ASTM C76 reinforced concrete pipes and ASTM C443 as proposed  <b>Recommendation:</b> amend as proposed with addition of footnote stating, “**For storm sewer application only”	6/17/19	The Board agreed to accept recommendation as presented.	Accept
54.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	701.1	chapter 7, various	<b>Proposal:</b> minor corrections and renumbering to coordinate with numbering changes in the 2018 UPC  <b>Recommendation:</b> amend as proposed. See <a href="#">3/11/19 meeting minutes</a> .	6/17/19	The Board agreed to accept recommendation as presented.	Accept
55.	<a href="#">PB0107</a>	RFA (2018 UPC)	Aaron Ganson	Table(s) 701.1 (and 1701.1)	polypropylene pipe per ASTM F2764, Table 701.1 and Table 1701.1 (referenced standards)	<b>Proposal:</b> Add polypropylene pipe per ASTM F2736 and ASTM F2764 to Tables 701.1 and 1701.1 for sanitary building sewers. See <a href="#">3/11/19 meeting minutes</a> .  <b>Recommendation:</b> add the ASTM standards, and joints and connections section as proposed (with updated numbering per the UPC 2018).	6/17/19	<b>MODIFIED recommendation:</b> <ul style="list-style-type: none"> <li>• Add footnote *** With no change in direction</li> <li>• Add the ASTM standards with updated numbering per the UPC 2018 under building sewer pipe and fittings.</li> </ul> <p>No directional changes. If good enough for sanitary sewer use then acceptable for storm use. Storm use would have cheaper pipe options available that could be used.</p>	Accept as modified
56.	<a href="#">PB0133</a>	RFA (2018 UPC)	Robert G Moore	Table 701.1	Add ASTM F2562 to Table 701.1	<b>Proposal:</b> add ASTM F2562 standard to Table 701.1 (renumbered Table 701.2)  <b>Recommendation:</b> do nothing, do not add ASTM F2562 to Table 701.1.			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
57.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	705.10.2 Expansion Joints	chapter 7, various	<b>Proposal:</b> delete Minnesota rule amendment and use the 2018 UPC language <b>Recommendation:</b> amend as proposed (use the 2018 UPC language)			
58.	<a href="#">PB0121</a> <a href="#">PB0108</a> <a href="#">PB0109</a>	RFA (2018 UPC)	DLI	707.4.1	chapter 7, various	<b>Proposal:</b> eliminate the cleanout requirement for back-to-back (or common) vertical fixture drains installed at same level by deleting Section 707.4.1 <b>Recommendation:</b> delete section 707.4.1			
59.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	707.4	chapter 7, various	<b>Proposal:</b> delete exception #3 of Section 707.4 <b>Recommendation:</b> keep exception #3 (DLI can review the RFA and resubmit)			
60.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	710.10	chapter 7, various	<b>Proposal:</b> add an exception to Section 710.10 for vents serving elevator sumps and pool sumps to not terminate through the roof <b>Recommendation:</b> amend as proposed, add an exception.			
61.	<a href="#">PB0096</a>	Final Interpretation	Peter Daniels, PE	710.10 and 906.4	Do Plumbing Code sections 710.10 and 906.4 apply to exterior sumps and receiving tanks?	<b>Final Interpretation:</b> Yes, if the sump and receiving tank are located within in the property lines and not covered by a utility easement. If the sump and receiving tank are covered by a utility easement, then the Plumbing Code does not apply.		Final Interpretation issued on 8/29/2018	

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
62.	<a href="#">PB0127</a>	RFA (2018 UPC)	Scott Thompson	Sec. 712.1	Amend section 712.1 [and 4714.0712, subp. 1]	<p><b>Proposal:</b> repeal MN amendment to section 712.1 and use 2018 UPC 712.1 language.</p> <p><b>Recommendation:</b> keep current MN amendment in Minn. <a href="#">rule part 4714.0712</a>.</p>			
63.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	715 - CIPP	chapter 7, various	<p><b>Proposal:</b> amend Minn. rule 4714.0715 regarding section 715.3 to reflect the language of UPC 2018</p> <p><b>Recommendation:</b> full board should have a full discussion and make a decision on this proposed change. See <a href="#">3/11/19 ad hoc meeting minutes</a> for discussion notes.</p>			
64.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	717.1, Table 717.1	chapter 7, various	<p><b>Proposal:</b> add language to provide an option for the AHJ to accept fixture loading less than the minimum fixture loading required by this table for building sewers while maintaining the minimum scouring pipe velocity of two feet per second: "Loadings less than the listed minimums must be approved by the Authority Having Jurisdiction."</p> <p><b>Recommendation:</b> add language as proposed. See <a href="#">RFA PB0121</a>.</p>			
65.	<a href="#">PB0121</a>	RFA (2018 UPC)	DLI	719.6	chapter 7, various	<p><b>Proposal:</b> add an additional option to join pipe to manholes and similar structures to provide a water tight connection</p> <p><b>Recommendation:</b> amend as proposed. See <a href="#">3/11/19 meeting minutes</a>.</p>			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
66.	<a href="#">PB0136</a>	RFA (2018 UPC)	DLI	4714.0724	Add a table to section 724, Recreational Vehicle, drainage pipe sizes	<b>Proposal:</b> amend section 724.1 as proposed <b>Recommendation:</b> Amend section 724.1 as proposed in <a href="#">PB0136</a> .			
67.	<a href="#">PB0131</a>	RFA (2018 UPC)	Cathy Tran, DLI	810.1	Chapter 8, various	<b>Proposal:</b> Amend 810.1 Steam and Hot Water Drainage Condensers and Sumps and delete sections 810.1 (remaining) to 814.1 (see RFA PB0131) <b>Recommendation:</b> amend as proposed. See <a href="#">3/29/19 meeting minutes</a> .			
68.	<a href="#">PB0131</a>	RFA (2018 UPC)	Cathy Tran, DLI	4714.0813	Chapter 8, various	<b>Proposal:</b> amend current Minn. rule 4714.0813 SWIMMING POOLS <b>Recommendation:</b> amend as proposed. See <a href="#">3/29/19 meeting minutes</a> .			
69.	<a href="#">PB0130</a>	RFA (2018 UPC)	Scott Thompson	905.3	Adopt 2018 UPC section 905.3 in its entirety	<b>Proposal:</b> adopt Section 905.3 of the 2018 UPC in its entirety, delete MN amendment to section 905.3 in Minn. rule 4714.0905 <b>Recommendation:</b> no recommendation, full board to consider the proposal. See <a href="#">3/29/19 meeting minutes</a> .			
70.	<a href="#">PB0117</a>	RFA (2018 UPC)	Dennis Anderson	908.2	delete 908.2	<b>Proposal:</b> delete section 908.2 in its entirety (Horizontal Wet Venting for a Bathroom Group) <b>Recommendation:</b> keep section 908.2 in its entirety.			
71.	<a href="#">PB0122</a>	RFA (2018 UPC)	Richard Blaylock	911	add/keep section 911.0 through 911.5	<b>Proposal:</b> adopt circuit venting method under 2018 UPC			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)ccept (R)eject (M)odify
						<b>Recommendation:</b> adopt circuit venting method (no action necessary to include)			
72.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1002.2 Fixture traps	Chapter 10	<b>Proposal:</b> add an exception to 1002.2: "Exception: Emergency floor drains, tell tail floor drains, and floor drains not used as waste receptors installed within 25 feet of a vented branch or main."  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
73.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1006.1	Chapter 10	<b>Proposal:</b> Add an exception to the end of 1006.1: "Exception: Floor drains or trench drains which connect to sand interceptors or oil and flammable liquid interceptors do not need to be trapped."  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
74.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1016.4	Chapter 10	<b>Proposal:</b> Amend section 1016.4  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
75.	<a href="#">PB0089</a>	RFA	Cathy Tran, DLI	1017.1	Chapter 10	<b>Proposal:</b> Amend section 1017.1  <b>Recommendation:</b> Amend as modified, see <a href="#">3/29/19 meeting minutes</a> .			
76.	<a href="#">PB0111</a>	RFA (2018 UPC)	Ken Loucks	1014.2.2	Exception to section 1014.2.2 vents	<b>Proposal:</b> Add an exception to Section 1014.2.2 Vent  <b>Recommendation:</b> do not add exception, leave 2018 UPC language as is.			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
77.	<a href="#">PB0112</a>	RFA (2018 UPC)	Mike Johnson	1017.2	Design of interceptors, section 1017.2	<b>Proposal:</b> Establish set sizing for garages used for storage with 10 or more vehicles  <b>Recommendation:</b> amend section 1017.2 and add subsection 1017.2.1, to read as stated in <a href="#">3/29/19 meeting minutes</a> .			
78.	<a href="#">PB0123</a>	RFA (2018 UPC)	Aaron Ganson	Table 1101.4.5	Add materials and standards to Building Storm Sewers, create Table 1101.4.5	<b>Proposal:</b> create a table in chapter 11 and add referenced standards to the table, or add the referenced standards to Table 701.2.  <b>Recommendation:</b> Do not create table in Chapter 11. Include F2306 and F2881 standards for storm sewer use only, include F2648 for yard drainage only, to Table 701.2, add proposed joints language, to section 1101.4.5 and referenced standards 1701.1. Add joints and connections section as proposed (with updated numbering per the UPC 2018),			
79.	<a href="#">PB0125</a>	RFA (2018 UPC)	Cathy Tran, DLI	1101.11.2.1 and 1101.11.2.2	Chapter 11, various	<b>Proposal:</b> add subsections 1101.11.2.1 Location and 1101.11.2.2 Engineered System.  <b>Recommendation:</b> amend as submitted. See <a href="#">PB0125</a> .			
80.	<a href="#">PB0125</a>	RFA (2018 UPC)	Cathy Tran, DLI	Chapter 11	Chapter 11, various	<b>Proposal:</b> amend sections 1103.1 and 1103.2 (renumbered from 1106). Add to both sections.  <b>Recommendation:</b> amend as submitted. See <a href="#">PB0125</a> .			

Line #	PB #	RFA/RFI	Submitter	Rules affected	Brief Title	Proposal and Committee recommendation	Date reviewed by PB	PB action	(A)cept (R)eject (M)odify
81.	<a href="#">PB0132</a>	RFA (2018 UPC)	Arthur Schwidder	1106	Add a new section 1106.5 Sump Manhole/Catch Basin with Vertical Baffle	<b>Proposal:</b> require a minimum of 18 inches between nearest inlet pipe and a vertical baffle <b>Recommendation:</b> take no action, do not require a minimum of 18 inches.			
82.	<a href="#">PB0124</a>	RFA (2018 UPC)	MDH	Chapter 15	Do not adopt chapter 15	<b>Proposal:</b> Do not adopt chapter 15 <b>Recommendation:</b> do not incorporate chapter 15.			
83.	<a href="#">PB0124</a>	RFA (2018 UPC)	MDH	Table 1702.9.4	Update Table 1702.9.4	<b>Proposal:</b> Amend Table 1702.9.4 as proposed. <b>Recommendation:</b> amend Table 1702.9.4 as proposed in <a href="#">PB0124</a> .			
84.	N/A	N/A	Committee	Chpts. 16, 17	Chpts. 16, 17	<b>Proposal:</b> Keep current chapter 17 regarding rainwater catchment systems (renumber as appropriate for consistency with 2018 UPC), with RFA proposals recommended			
85.	N/A	N/A	Committee	App. E	App. E	<b>Proposal:</b> do not include Appendix E in the Minnesota Plumbing Code <b>Recommendation:</b> do not include Appendix E in the Minnesota Plumbing Code			

PB = Minnesota Plumbing Board

Accept, Reject, Deny column = in reference to the Board's determination in regard to the committee's recommendation

Some PB numbers are not included for a variety of reasons (e.g., RFA was withdrawn, RFA/RFI was incomplete, was for the plumber licensing chapter, etc.).

All UPC section and table numbers that have changed in the 2018 UPC will be adjusted as necessary, even if not indicated on this table. The substantive change is addressed here and renumbering corrections will be made as necessary for any proposed rules stemming from this document.