

Plumbing Board
c/o Department of Labor and Industry
443 Lafayette Road North
St. Paul, MN 55155-4344
www.dli.mn.gov

Plumbing Board Request for Action

PRINT IN INK or TYPE

NAME OF SUBMITTER Cathy Tran	PURPOSE OF REQUEST (check all that apply): <input type="checkbox"/> New Code <input type="checkbox"/> Code Amendment <input type="checkbox"/> Repeal of an existing Rule
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The Minnesota Plumbing Code (MN Rules, Chapter 4714) is available at <http://www.dli.mn.gov/CCLD/PlumbingCode.asp>.

Specify the purpose of the proposal: (If recommendation for code change for fixture, appurtenance, material, or method, check all that apply)

Appurtenance (e.g., water conditioning equipment) Test Method

Other (describe) _____

Does your submission contain a Trade Secret? Yes No

If Yes, mark “**TRADE SECRET**” prominently on each page of your submission that you believe contains trade secret information. Minnesota Statutes, section 13.37, subdivision 1(b), defines “trade secret” as follows:

“Trade secret information” means government data, including a formula, pattern, compilation, program, device, method, technique or process (1) that was supplied by the affected individual or organization, (2) that is the subject of efforts by the individual or organization that are reasonable under the circumstances to maintain its secrecy, and (3) that derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.

Note that, although “trade secret” information is generally not public, the Board and its committees may disclose “trade secret” information at a public meeting of the Board or committee if reasonably necessary for the Board or committee to conduct the business or agenda item before it (such as your request.) The record of the meeting will be public.

Describe the proposed change. The Minnesota Plumbing Code (Minnesota Rules Chapter 4714) is available via the World Wide Web at <http://www.revisor.leg.state.mn.us/arule/4714/>

NOTE:

- Please review the Minnesota Plumbing Code and include all parts of the Code that require revision to accomplish your purpose.
- The proposed change, including suggested rule language, should be *specific*. If modifying existing rule language, underline new words and ~~strike through deleted words~~. Please list all areas of the Minnesota Plumbing Code that would be affected.

See Attached for Chapter 6

Office Use Only

RFA File No. PB0115	Date Received by DLI 1.14.2019	Dated Received by Committee	Date Forwarded to Board
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Title of RFA	By:
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Committee Recommendation to the Board: Accept Reject Abstain

Board approved as submitted: Yes No Board approved as modified: Yes No

This material can be made available in different forms, such as large print, Braille or audio. To request, call 1-800-342-5354.

Need and Reasons For the Change. Thoroughly explain the need and why you believe it is reasonable to make this change. During a rulemaking process, the need and reasonableness of all proposed rule changes must be justified; therefore, a detailed explanation is necessary to ensure the Board thoroughly considers all aspects of the proposal.

See Attached for Chapter 6

If your product/method standard(s) is not currently listed in both national codes, your Request For Action will not be considered by the Board or its committees, however, you are welcome to present at any Board meeting during the Open Forum section of the Agenda.

The proposal must be accompanied by copies of any published standards, the results of testing, and copies of any product listings, as documentation of the health, sanitation and safety performance of any materials, methods, fixtures, and/or appurtenances. If none are available, please explain:

Please attach electronic scanned copies of any literature, standards and product approvals or listings. Printed or copyrighted materials, ***along with written permission from the publisher to distribute the materials at meetings***, should be sent to the Plumbing Board, c/o Department of Labor and Industry, 443 Lafayette Road No., St. Paul, MN 55155-4344.

Primary reason for change: (check only one)

- Protect public, health, safety, welfare, or security
 - Lower construction costs
 - Encourage new methods and materials
 - Change made at national level
 - Other (describe) _____
 - Mandated by legislature
 - Provide uniform application
 - Clarify provisions
 - Situation unique to Minnesota
-

Anticipated benefits: (check all that apply)

- Save lives/reduce injuries
 - Improve uniform application
 - Improve health of indoor environment
 - Provide more construction alternatives
 - Reduce regulation
 - Other (describe) _____
 - Provide more affordable construction
 - Provide building property
 - Drinking water quality protection
 - Decrease cost of enforcement
-

Economic impact: (explain all answers marked "yes")

1. Does the proposed change increase or decrease the cost of enforcement? Yes No If yes, explain

2. Does the proposed change increase or decrease the cost of compliance? Yes No If yes, explain
Include the estimated cost increase or decrease, and who will bear the cost increase or experience the cost decrease:

3. Are there less costly or intrusive methods to achieve the proposed change? Yes No If yes, explain

4. Were alternative methods considered? Yes No If no, why not? If yes, explain what alternative methods were considered and why they were rejected.

5. If there is a fiscal impact, try to explain any benefit that will offset the cost of the change. If there is no impact, mark "N/A."

6. Provide a description of the classes of persons affected by a proposed change, who will bear the cost, and who will benefit.

7. Does the proposed rule affect farming operations? (Agricultural buildings are exempt from the Minnesota Building Code under Minnesota Statutes, Section 326B.121.) Yes No If yes, explain

Are there any existing Federal Standards? Yes No If yes, list:

Are there any differences between the proposed change and existing federal regulations?

- Yes No Not applicable Unknown

If yes, describe each difference & explain why each difference is needed & reasonable.

Minnesota Statutes, section 14.127, requires the Board to determine if the cost of complying with proposed rule changes in the first year after the changes take effect will exceed \$25,000 for any small business or small city. A small business is defined as a business (either for profit or nonprofit) with less than 50 full-time employees and a small city is defined as a city with less than ten full-time employees.

During the first year after the proposed changes go into effect, will it cost more than \$25,000 for any small business or small city of comply with the change? Yes No If yes, identify by name the small business(es or small city(ies).

Will this proposed plumbing code amendment require any local government to adopt or amend an ordinance or other regulation in order to comply with the proposed plumbing code amendment? Yes No, If yes, identify by name the government(s) and ordinances(s) that will need to be amended in order to comply with the proposed plumbing code amendment.

Additional supporting documentation may also be attached to this form. Are there any additional comments you feel the Committee/Board may need to consider? If so, please state them here:

Information regarding submitting this form:

- Submissions are received and heard by the Committee on an “as received” basis. **Any missing documentation will delay the process, and your proposal will be listed as the date it was received “Complete.”**
- **Submit any supporting documentation to be considered**, such as manufacturer’s literature, approvals by other states, and engineering data electronically to DLI.CCLDBOARDS@state.mn.us. Once your Request For Action form has been received, it will be assigned a file number. Please reference this file number on any correspondence and supplemental submissions.
- **For copyrighted materials that must be purchased from publishers, such as published standards, product approvals or testing data, listings by agencies (IAPMO, ASSE, ASTM, etc..) you may send just 2 copies, along with written permission from the publisher to distribute the materials at meetings, via U.S. Mail to: Plumbing Board, c/o Department of Labor and Industry, 443 Lafayette Road No., St. Paul, MN 55155-4344.**
- **For materials that must be submitted by U.S. Mail, please include a copy of your “Request For Action” form originally submitted and reference your assigned RFA file number.**

Information for presentation to the Committee and/or Board:

- Limit presentations to 5 minutes or less.
- Be prepared to answer questions regarding the proposal and any documentation.

Information regarding Committee and/or Board function:

- The Plumbing Board or designated committee.

I understand that any committee action is a recommendation to the Plumbing Board and is not to be considered final action.

SUBMITTED BY NAME	FIRM NAME	SUBMITTER'S E-MAIL ADDRESS
Cathy Tran	DLI	Cathy.tran@state.mn.us

NAME, PHONE NUMBER & E-MAIL ADDRESS OF PRESENTER TO THE COMMITTEE (if different):

ADDRESS	CITY	STATE	ZIP CODE
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PHONE	SIGNATURE (original or electronic)	DATE
651 284 5898		1/14/19

For Assistance or questions on completing this form, contact Cathy Tran, Department of Labor and Industry at 651-284-5898.

For Office/Committee Use Only Proposal received completed? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date Proposer notified of gaps:	Mode of notification (e.g., e-mail)	Date returned to Proposer:	Date materials re-received:

Code Section	DLI Chapter 6 Proposed Change	Justification
4714.0601	<p>4714.06012 HOT AND COLD WATER REQUIRED. UPC section 601.1 is amended to read as follows:</p> <p>6012.1 General. Each plumbing fixture shall be provided with an adequate supply of potable running water piped to it in an approved manner, so arranged as to flush and keep the fixture in a clean and sanitary condition without danger of backflow or cross-connection. Water closets and urinals shall be flushed by means of an approved flush tank or flushometer valve.</p> <p>Exception: Listed fixtures that do not require water for their operation and are not connected to the water supply.</p> <p>6012.1.1 Hot Water Required. In occupancies where plumbing fixtures are installed for private use, hot water shall be required for bathing, washing, laundry, cooking purposes, dishwashing, and maintenance. In occupancies where plumbing fixtures are installed for public use, hot water shall be required for bathing and washing purposes. This requirement shall not supersede the requirements for individual temperature control limitations for public lavatories, bidets, bathtubs, whirlpool bathtubs, and shower control valves.</p> <p>6012.1.2 Hot Water Recirculation. Hot water supply systems in four-story buildings or higher, or buildings where the developed length of hot water piping from the source of hot water supply to the farthest fixture supplied exceeds 100 feet, shall be of the return circulation type.</p>	Restructuring within the UPC requires renumbering Chapter 4714 to reflect the applicable code section.
4714.603.5.18	<p>603.5.187 Potable Water Outlets and Valves. Potable water outlets, freeze-proof yard hydrants, combination stop-and-waste valves, or other fixtures that incorporate a stop-and-waste feature that drains into the ground shall not be installed underground except for a freeze-proof yard hydrant that is located at least two feet above the water table and at least ten feet from any sewer or similar source of contamination.</p>	<p>603.5.18 Potable Water Outlets and Valves. Potable water outlets, freeze-proof yard hydrants, combination stop-and-waste valves, or other fixtures that incorporate a stop-and-waste feature that drains into the ground shall not be installed underground except for a freeze-proof yard hydrant that is located at least two feet above the water table and at least ten feet from any sewer or similar source of contamination.</p>
4714.0604	<p>604.11 Lead Content. Water pipe and fittings with a lead content which exceeds a weighted average of 0.25 percent in the wetted surface material, as established in the Safe Drinking Water Act, section 1417(d), shall be prohibited in piping systems used to convey potable water. (Delete 4714.0604.11 in its entirety).</p>	Section 604.2 of the 2018 UPC contains this requirement. 4714.0604.11 is redundant and would overwrite requirements for solder in the 2018 UPC.
<p>4714.0608 Section 608.5 Drains. Discharge Piping</p>	<p>608.5 Discharge Piping. Drains. Relief valves located inside a building shall be provided with: (1) a drain that is not smaller than the relief valve outlet and piping and fittings made of galvanized steel, hard drawn copper, CPVC, or PP; or (2) a listed relief valve drain tube with fittings. The drain and drain tube shall not reduce the internal bore of the pipe or tubing (straight lengths as opposed to coils) and shall terminate to a safe place of disposal or within 18 inches of the floor. Relief valve drains shall not terminate in a building's crawl space. No part of a drain pipe shall be trapped or subject to freezing. The terminal end of the drain pipe shall not</p>	The proposed change addresses the coordination of the discharge piping in one rule section 608.5 to minimize redundancy in the UPC, rewritten installation conditions for clarify, and adds language that is Minnesota climate specific UPC allows discharge piping to terminate outside of a building. Therefore the proposed requires discharge inside of a building to a place of safe disposal or within 18 inches of the floor. Proper discharge location will prevent damage to property and injuries to persons from high temperature discharge In addition, specific prescribed materials are also deleted since the 2018

Code Section	DLI Chapter 6 Proposed Change	Justification
	<p>be threaded. The discharge piping serving a temperature relief valve, pressure relief valve, or combination of both shall have no valves, obstructions, or means of isolation and be provided with the following:</p> <p><u>(1) Equal to the size of the valve outlet and shall discharge full size to the flood level of the area receiving the discharge and pointing down.</u></p> <p><u>(2) Materials shall be rated at not less than the operating temperature of the system and approved for such use or shall comply with ASME A112.4.1.</u></p> <p><u>(3) Discharge pipe shall discharge independently by gravity through an air gap to a safe place of disposal or within 18 inches of the floor. Relief valve drains shall not terminate in a building's crawl space.</u></p> <p><u>(4) Discharge in such a manner that does not cause personal injury or structural damage.</u></p> <p><u>(5) No part of such discharge pipe shall be trapped or subject to freezing.</u></p> <p><u>(6) The terminal end of the pipe shall not be threaded.</u></p> <p><u>(7) Discharge from a relief valve into a water heater pan shall be prohibited</u></p>	<p>UPC references standard ASME A112.4.1, Water Heater Relief Valve Drain Tubes, in the proposed rule and therefore specific prescribing specific materials are no longer needed for this application. Other than materials and discharge location amendment, the language is consistent with UPC 2018.</p>
4714.0611	<p><u>611.3.1 Isolation and Bypass.</u> Every water conditioning installation shall include the installation of isolation valves and a bypass valve which would allow the equipment to be serviced or removed without the need for shutting off the water service completely.</p>	<p>Section 611.3.1 is added to clarify the requirement for isolation valves for water conditioning equipment by Chapter 326B.50, and as necessary for repair or replacement of water conditioning equipment without disrupting the water supply to the plumbing fixtures in a building.</p>