

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

<b>NAME OF SUBMITTER</b> <b>Cathy Tran</b>	<b>PURPOSE OF REQUEST</b> (check all that apply): <input type="checkbox"/> New Code <input checked="" 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.

Chapter 8

<b>Office Use Only</b>			
RFA File No. PB0131	Date Received by DLI 3.29.2019	Dated Received by Committee	Date Forwarded to Board
Title of RFA	By: _____		
Committee Recommendation to the Board: <input type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> Abstain			
Board approved as submitted: <input type="checkbox"/> Yes <input type="checkbox"/> No		Board approved as modified: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>This material can be made available in different forms, such as large print, Braille or audio. To request, call 1-800-342-5354.</b>			

#### **4714.0813 SWIMMING POOLS.**

813.1 **General.** Pipes carrying wastewater from swimming or wading pools, including pool drainage and backwash from filters, water from scum gutter drains and pool deck drains, shall be installed as an indirect waste. Pool deck drains need not be trapped and vented per Section 803.1, and deck drain piping must be pitched at minimum of 1/8 inch per foot for pipe sizes 3 inches and larger piping. Where a pump is used to discharge waste pool water to the drainage system, the pump discharge shall be installed as an indirect waste.

#### **810.0 Steam and Hot Water Drainage Condensers and Sumps.**

810.1 High Temperature Discharge. No steam pipe shall be directly connected to a plumbing or drainage system, nor shall water having a temperature above 140°F (60°C) be discharged under pressure directly into a drainage system. ~~Pipes from boilers shall discharge by means of indirect waste piping, as determined by the Authority Having Jurisdiction or the boiler manufacturer's recommendations. Such pipes shall be permitted to be indirectly connected by discharging into an open or closed condenser or an intercepting sump of an approved type that will prevent the entrance of steam or such water under pressure into the drainage system. Closed condensers or sumps shall be provided with a vent that shall be taken off the top and extended separately, full size above the roof. Condensers and sumps shall be properly trapped at the outlet with a deep seal trap extending to within 6 inches (152 mm) of the bottom of the tank. The top of the deep seal trap shall have a 3/4 of an inch (19.1 mm) opening located at the highest point of the trap to serve as a siphon breaker. Outlets shall be taken off from the side in such a manner as to allow a waterline to be maintained that will permanently occupy not less than one-half the capacity of~~

#### **810.2 Sumps, Condensers, and Intercepting Tanks.**

~~Sumps, condensers, or intercepting tanks that are constructed of concrete shall have walls and bottom not less than 4 inches (102 mm) in thickness, and the inside shall be cement plastered not less than 1/2 of an inch (12.7 mm) in thickness. Condensers constructed of metal shall be not less than No. 12 U.S. standard gauge (0.109 inch) (2.77 mm), and such metal condensers shall be protected from external corrosion by an approved bituminous coating.~~

#### **810.3 Cleaning.**

~~Sumps and condensers shall be provided with suitable means of access for cleaning and shall contain a volume of not less than twice the volume of water removed from the boiler or boilers connected thereto where the normal water level of such boiler or boilers is reduced not less than 4 inches (102 mm).~~

#### **810.4 Strainers.**

~~An indirect waste interceptor receiving discharge containing particles that would clog the receptor drain shall have a readily removable beehive strainer.~~

~~To 810.4~~

#### **14.0 Condensate Wastes and Control.**

814.1 **Condensate Disposal.** ~~Condensate from air washers, air cooling coils, fuel burning condensing appliances, the overflow from evaporative coolers, and similar water supplied equipment or similar air conditioning plumbing fixture or disposal area. Where discharged into the drainage system, equipment shall drain by means of an indirect waste pipe. The waste pipe shall have a slope of not less than 1/8 inch per foot (10.4 mm/m) or 1 percent slope and shall be of approved corrosion-resistant material not smaller than the outlet size in accordance with Table 814.1 for condensing fuel burning appliances, respectively. Condensate or wastewater shall not drain over a public way.~~

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**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.

**Section 813.1**

Pool deck drains are required to be designed and installed as indirect waste piping. These drains only receive liquid wastewater from splashing on decks and wash down of deck areas. If not amended, a ¼ inch per foot is required for indirect waste piping under Section 708.1 and traps and vents must be provided as required under 803.1. A minimum 1/8 inch per foot for pool deck drains are indirect waste piping and would be reasonable as deck drains receive only liquid waste from the pool deck areas, and no solids.

**Section 810.0-810.2; 814.1**

These requirements are also covered under the Mechanical Code 1346 and Boiler Code. The language causes confusion and need to be deleted as there are conflicts in enforcing these requirements under both codes. In addition, this work is not covered under a plumber’s license.

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
- Mandated by legislature
- Provide uniform application

- Encourage new methods and materials
- Change made at national level
- Other (describe) \_\_\_\_\_

- 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

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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).

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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.

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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](mailto: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 Cathy Tran	FIRM NAME DLI	SUBMITTER'S E-MAIL ADDRESS Cathy.tran@state.mn.us
NAME, PHONE NUMBER & E-MAIL ADDRESS OF PRESENTER TO THE COMMITTEE (if different):		

ADDRESS	CITY	STATE	ZIP CODE
PHONE 651 284 5898	SIGNATURE (original or electronic)	DATE 3/29/19	

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

<b>For Office/Committee Use Only</b> 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: