

ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

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Proposed Code Change - Language

Please provide your proposed code change in strikeout/underline format. Provide the *specific* language you would like to see changed, with new words underlined and words to be deleted should be ~~stricken~~. Also, state whether the language contained in your proposal is from a code book or from an amendment currently found in Minnesota Rule. (You may provide the language (electronically) on a separate, attached sheet).

Minnesota Chapter 1307.0047 SECIAL PROVISIONS.

Subpart 17 **Buried Hydraulic Oil Line** When cylinder replacement is required, all non-monitored cathodic protected buried hydraulic elevator oil lines shall be replaced and shall comply with ASME A17.1-2010 8.7.3.24

Exemption: Provide an overspeed valve complying with ASME A17.1-2010 3.19.4.7

Proposed Code Change – Need and Reason

Please provide a thorough explanation of the need for this change and why this proposed code change is a reasonable change. During the rulemaking process, the Agency must defend the need and reasonableness of all its proposed changes. The Agency must submit evidence that it has considered all aspects of the proposal. (You may provide the need and reason (electronically) on a separate attached sheet).

The reason for replacement of the elevator cylinder is that electrolysis eats away at the welds on the bulkhead because of the dissimilar metals, once weakened a catastrophic event could happen as the bulkhead can burst. The same events can happen to buried hydraulic pressure piping causing a catastrophic failure. The time to replace buried oil line is when you replace the cylinder if you don't then the oil line becomes the weakest link in the system.

Proposed Code Change – Cost/Benefit Analysis

Please consider whether this proposed code change will increase/decrease costs or indicate that it will not have any cost implications and explain how it will not. If there is an increased cost, will this cost be offset somehow by a life safety or other benefit? If so, please explain. Are there any cost increases/decreases to enforce or comply with this proposed code change? If so, please explain. (You may provide the cost/benefit analysis (electronically) on a separate, attached sheet).

The cost increase will be determined by how remote the machine room is from the elevator hoistway. If the machine room is adjacent to the elevator hoistway then it would be a very minimal expense. If the elevator hoistway is far remote then a better cost saving option would be to provide an overspeed valve. The overspeed valve is connected to within 1' of the new cylinder and is mounted on the oil line. When activated by an overspeed condition such as a catastrophic failure in the buried oil line then the valve would shut keeping the elevator from crashing into the pit.

Other Factors to Consider Related to Proposed Code Change

1. Is this proposed code change meant to:

change language contained in a published code book? If so, list section(s).

Minnesota Chapter 1307.0047 add subpart 17

change language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

no

delete language contained in a published code book? If so, list section(s).

no

delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

no

neither; this language will be new language, not found in the code book or in Minnesota Rule. no

2. Is this proposed code change required by a Minnesota Statute or new legislation? If so, please provide the citation to the Statute or legislation.

MN chapter 1307

3. Will this proposed code change impact other sections of a published code book or of an amendment in Minnesota Rule? If so, please list the affected sections or rule parts.

no

4. Will this proposed code change impact other parts of the Minnesota State Building Code? If so, please list the affected parts of the Minnesota State Building Code.

no

5. Who are the parties affected or segments of industry affected by this proposed code change?

Building owners that have non-compliant buried cylinders with buried oil line

6. Can you think of other means or methods to achieve the purpose of the proposed code change? If so, please explain what they are and why your proposed change is the preferred method or means to achieve the desired result.

NO

7. Are you aware of any federal requirement or regulation related to this proposed code change? If so, please list the regulation or requirement.

No