



The Commonwealth of Massachusetts  
 Executive Office of Public Safety and Security  
 Board of Boiler Rules



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 EDWARD S. KAWA JR  
 CHAIRMAN

**Minutes**  
**Board of Boiler Rules**  
**522 CMR Committee**  
**Department of Fire Services**  
**One State Road, Stow, MA 01775**  
**Meeting of January 12, 2021, 10:00 A.M.**

1. Meeting called to order by the Chairman of 522 CMR Committee, Anthony Lucia, at 10 A.M. The Chairman welcomed the members/participants, and expressed his encouragement for participation by all stakeholders.
2. The Chairman took a roll call of the assigned Committee members:

Committee Members Present:

Anthony Lucia, Chairman	Board of Boiler Rules Member
Glenn Robinson, Member	HSB
Brian Palmer, Member	FM Global
Doug Smiley, Member	Travelers
Max Greig, Member	Footprint Power

Committee Members Not Present:

None

DFS Staff Members Present:

Ed Kawa	Chairman, Board of Boiler Rules
Dan Laperle	Supervisor, DFS District Inspectors
Pat Kane	DFS District Inspector
Holly Bartlett	Board Administrator

3. Minutes from Committee Meeting on November 24, 2020: ***Motion made to approve the minutes from the November meeting of the 522 CMR Committee by Doug Smiley, seconded by Brian Palmer; motion passed by unanimous roll-call vote.***
4. Review of 522 CMR 1.03, Standards Adopted: The Chairman turned the meeting over to Supervisor Dan Laperle. The Supervisor presented a summary of the standards listed in 1.02, pointing out which of those have been updated since the last time the Board updated 522, and explaining that the Committee would not be reviewing Sections III, X and XI of the ASME code. He also explained that CSD-1 has not been revised

since the latest Board promulgation of 522 CMR, so it will not be part of the Committee’s review, either. The State Fire Marshal’s Office is currently reviewing NFPA 85, so the Committee will hold off review of this standard until the results of the DFS review are available.

The Supervisor went on to share a Summary of the 2019 changes to the NBIC, which included the following highlights:

- Part 1: New requirements for CO detectors
- Part 2: New instructions for the replacement of stampings and nameplates
- Part 4: Updated requirements for pressure relief valves  
New accreditation requirements for ‘testing only’  
New Supplement 7, Recommended Procedures for Test Only of Pressure Relief Valves

The Supervisor then turned attention to another document, 2019 NBIC Major Change Highlights, pointing out that the sections in blue contain updated language, while the sections in red are those that have been replaced, and pointed out the sections listed above. At this point, the Supervisor concluded his summary of the current changes to NBIC. The Chairman asked if any members had any question, before moving on to the review of Part 1 of the NBIC.

The Supervisor then moved on to the summary of current changes to ASME BPVC Section I. He confirmed with Chief Kawa that he has access to background information regarding the changes, and can download additional information at any point the Committee might need it during the course of the review. The Supervisor then summarized the changes in the following parts of ASME BPVC Section I:

- 15-276 PG-60.1, clarify that the level gage shall cover the full operating range
- 16-2247 PG-106.1 and PG-106.4, alternative marking methods for stamping
- 17-440 Rewrote PG-58 for clarity
- 17-1239 Added PG-42.12 for use of clamped connections
- 17-2461 Eliminate required globe valve per Figure PG-58.2.1(b)
- 17-2464 Organization certifying P-4A or P-4B retains responsibility for Code design
- 18-1185 PG-99.4.2 – clarify requirements of dial test gages during hydrotest
- 18- 1770 PG-58.1 – combine PG-58.1 and PG-58.1.1
- 18-2028 PG-113.4 – retention requirements of Form P-4A

Max Greig had a question on PG-42.12/clamped connections. The Supervisor said that he would ask Chief Kawa to pull the background information for this section for the Committee to review at the next meeting.

The Supervisor then moved on to the summary of current changes to ASME BPVC Section IV:

- 16-2865 HG-615, Hot Water Supply Boilers
- 17-1218 Table 2-100, replaced edition dates with ‘latest edition’
- 18-327 HLW-701.1 revised
- 18-1139 HLW-600.3, added new sub-paragraphs
- 18-1228 HLW-602.1 revised stamping

Following review of Section IV, the Supervisor turned attention on ASHRAE – as of 2019, the scope no longer includes refrigeration systems with ammonia, and now reference IIAR (International Institute of

Ammonia Refrigeration). He acknowledged that Inspector Pat Kane has been researching this change, and that they plan to have more information to present to the Committee at a future meeting.

5. Adjournment: The date of the next meeting will be Tuesday, February 9, 2021. ***This meeting was adjourned at 10:36 AM.***

List of Documents/Exhibits Used at this Meeting

- a. Minutes from Committee Meeting on November 24, 2020
- b. Summary of Standards Adopted
- c. 2019 NBIC Summary of Major Changes
- d. 2019 NBIC Major Change Highlights
- e. 2019 – Summary of Changes to ASME BPVC Section I
- f. 2019 - ASME Section I Changes SLIDES
- g. 2019 – Summary of Changes to ASME BPVC Section IV
- h. 2019 – ASME Section IV Changes SLIDES
- i. HLW Temp. Limit Redline
- j. ASHRAE – Ammonia Scope