



MAURA T. HEALEY  
GOVERNOR

KIMBERLEY DRISCOLL  
LIEUTENANT GOVERNOR

TERRENCE M. REIDY  
SECRETARY

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

*P.O. Box 1025 ~ State Road*

*Stow, Massachusetts 01775*

*(978) 567~3780 Fax: (978) 567~3199*

[www.mass.gov/dfs](http://www.mass.gov/dfs)



JON M. DAVINE  
STATE FIRE MARSHAL

EDWARD S. KAWA JR  
CHAIRMAN

**Minutes**

**Board of Boiler Rules  
Department of Fire Services  
One State Road, Stow, MA 01775  
Meeting of May 1, 2025**

*\*\*Prior to opening this meeting, the Chairman reminded attendees that recording the meeting without prior permission of the Board is strictly prohibited. This meeting is being recorded by DFS staff for the purpose of generating meeting minutes. \*\**

Meeting called to order by the Chairman, Ed Kawa, at 10:03 A.M. The Chairman opened this meeting of the Board of Boiler Rules, explaining that in accordance with M.G.L. Chapter 146 Section 3, the Board is holding a public hearing to hear comment on proposed changes to 522 CMR, as well as conducting a regular meeting. Please note, in accordance with the Massachusetts Open Meeting Law, this public meeting is being recorded for purpose of generating meeting minutes. By continuing to participate in or attend this meeting, you consent to the recording. If you do not wish to be recorded, please exit the meeting now.

- 1) Hearing of Petitions for Changes to 522 CMR: The Chairman asked if there was anyone present who would like to present proposed changes to 522 CMR; he also stated that no petitions had been received by DFS staff prior to this meeting. Hearing no one present to present proposed changes, the Chairman said the 'hearing' would be kept open for one hour, while the rest of the meeting is conducted
- 2) Attendance

Board Members Present:

Edward Kawa, Chairman  
Charles Perry, Boiler Manufacturers  
Anthony Lucia, Operating Engineers  
Douglas Smiley, Insurance Companies  
Max Greig, User Group

Board Members Not Present:

None

DFS Staff Present:

Jon Davine, State Fire Marshal  
Rachel Perlman, DFS  
Brian Ingram, DFS

Dan Laperle, DFS  
Holly Bartlett, DFS

Attendees Present:

Dennis Donovan, Coastal Inspection Svcs.  
Stephen Kapnis, CNA  
Ben McKay, CNA  
Charles Blout, Somp  
Mike Robillard, Somp  
John Meleikas, Arise

Chris Fialkowski, FM  
Erik Newhouse, HSB  
Jerry Pelletier, Chubb  
Tony Chamoun, NRG Services  
Eric Fant, NRG Services

- 3) Minutes from previous meetings: The minutes from previous meeting held on November 7, 2024, were reviewed. ***Motion to approve the minutes from the meeting on November 7, 2024, made by Anthony Lucia, seconded by Charlie Perry; motion passed by unanimous vote.***

The minutes from the meeting on March 6, 2025, were reviewed. ***Motion to approve the minutes from the meeting on March 6, 2025, meeting made by Anthony Lucia, seconded by Charlie Perry; motion passed by unanimous vote.***

- 4) Petitions for inspectional considerations: The following requests for extension of the inspectional requirement received since the last regular meeting in September were entered into record:
- a. Crane & Co., request dtd April 22, 2025, for a 4-month extension of the inspectional requirement for MA235320
  - b. MCI Bridgewater, request dtd April 18, 2025, for a 6-month extension of the inspectional requirement for MA208171
  - c. Haartz Corporation, request dtd April 15, 2025, for a 2-month extension of the inspectional requirement for MA200806, MA200807, MA213583, and MA233555
  - d. Cooley Dickinson Hospital, request dtd April 7, 2025, for a 2-month extension of the inspectional requirement of MA063683 (request withdrawn)
  - e. Constellation/Everett LNG Facility, request dtd March 26, 2025, for a 1-month extension of the inspectional requirement for MAW004016
  - f. NewCorr Packaging, request dtd March 6, 2025, for a 1-month extension of the inspectional requirement for MA234555
  - g. ANP Bellingham, request dtd February 3, 2025, for a 6-month extension of the inspectional requirement for MA022234 and MA022235

***Motion to approve these extensions as read made by Anthony Lucia, seconded by Charlie Perry; motion passed by unanimous vote.***

- 5) Discussion of Proposed Change to 522 CMR regarding Inspection Requirements for Deaerators: The Chairman provided Board members with several documents regarding deaerators. He explained that one of these documents, 'Do Deaerators Require Inspection', is an internal document developed in response to frequent questions that come up during field inspections. He read the Q&As provided in this document:
- *Q: Do deaerators require inspection?*

*A: Yes, following industry best practices, and manufacturer requirements and recommendations.*

- *Q: Do deaerators require registration and assignment of a Mass. Tag # by DFS?*

*A: No.*

- *Q: Do deaerators require a Certificate of Inspection issued by DFS prior to being placed in service and while in operation?*

*A: No.*

- *Q: Do reports of inspections of deaerators by authorized insurance inspectors need to be submitted to DFS?*

*A: No.*

These are the guidelines that we have used regarding inspection of deaerators. We have received a proposal that the Board write rules regarding the inspection of deaerators. DFS staff is in the process of putting together a proposed document for the Board's review, which would also go to DFS Legal. The intent of this document is to assist the Board in evaluating whether there is a need to make changes to 522 regarding regulatory oversight of deaerators. There is also a survey being developed for those locations with high pressure steam boilers to determine if and how their deaerators are currently being inspected, and by whom. This information would be considered by the Board, in addition to the actual petition presented to the Board. The Chairman was asked if input would be sought from insurance providers. Board Member Doug Smiley informed the Board that deaerators are considered 'covered objects' under insurance policy.

The Chairman pointed to recognized industry standards currently in place for the recommended operation, maintenance and period inspections of deaerators, specifically organizations such as NACE (National Association of Corrosion Engineers), EPRI (Electric Power Research Institute) and TAPPI (Technical Association of the Pulp and Paper Industry), as well as ASME IV and the NBIC Part 2.

Following brief discussion of the history and current practice of inspecting deaerators, the Chairman said that DFS staff will continue to gather information for the Board to consider, and to develop and deploy a survey to gather pertinent information. Also, new editions of standards adopted in 522 will be published in July 2025, and comprehensive review of 522 will begin in September, with the goal to promulgate in Spring 2026. So, the Board will begin consideration of this proposal in the fall.

The Chairman stated that DFS staff will be working to gather further information for the Board to consider.

- 6) Inquiry from Commonwealth Fusion Systems: The Chairman informed the Board members that DFS had recently received an inquiry from Commonwealth Fusion Systems, who are currently building a nuclear fusion reactor, regarding Chapter 7/Air Tanks of 522 CMR. They are asking about how much of that is applicable to the reactor they are developing. Chapter 7 is limited to vessels that contain compressed air, and would not apply to their reactor. He also pointed out that the Board does not write rules regarding reactors, and that the NRC would have jurisdiction.

7) Updates from DFS Staff:

- a. DFS staff is gathering information regarding the possibility of regulating inspection of deaerators.

- b. The Chairman passed along that Glenn Robinson, HSB, is retiring after 40 years of service.
- c. The option to continue to be able to hold remote meetings has been extended thru June 2027.

8) Matters not reasonably anticipated: None

9) Adjournment of Meeting: The next meeting will be on Thursday, June 5, 2025. ***Motion to adjourn the meeting made by Anthony Lucia, seconded by Doug Smiley; motion passed by majority vote, regular meeting adjourned at 10:38AM.***

***\*\*The hearing will remain 'open' until 11AM, in case anyone wants to present proposed changes to 522 to the Board \*\****

#### List of Documents/Exhibits Used at this Meeting

- i) Minutes from meeting on November 7, 2024
- ii) Minutes from meeting on March 6, 2025
- iii) Extension Requests
  - (1) Crane & Co./Pioneer Mill
  - (2) MCI Bridgewater
  - (3) Haartz Corporation
  - (4) Cooley Dickinson Hospital
  - (5) Constellation/Everett LNG Facility
  - (6) NewCorr Packaging
  - (7) ANP Bellingham
- iv) Documents related to Deaerators
  - (1) 02-21-2015 Basic Deaerator Science Revealed FINAL
  - (2) Deaerator Tank Regulatory Proposal
  - (3) Do Deaerators require inspection
  - (4) Maintenance of Deaerators
  - (5) NACE Guidelines for Deaerators
  - (6) NRG – Proposed Changes, DEAERATORS
  - (7) TRIPOS Enterprises LLC Report
  - (8) VHA Boiler and Associated Plant Safety Device Testing Manual, 8<sup>th</sup> Edition
  - (9) VHA Directive 1810 Boiler and Boiler Plant Operations 2018