



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

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CHAIRMAN

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LIEUTENANT GOVERNOR

TERRENCE M. REIDY
SECRETARY

Minutes
Board of Boiler Rules
Department of Fire Services
One State Road, Stow, MA 01775
Meeting of April 4, 2024

Meeting called to order by the Chairman, Ed Kawa, at 10:04 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 conducting a regular meeting. This meeting is being held online via Microsoft TEAMS, and is being recorded.

1) The Board members in attendance were identified by roll call:

Board Members Present:

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

Board Members Not Present:

Leah Francis, Insurance Companies

DFS Staff Present:

Rachel Perlman, DFS
 Dan Laperle, DFS
 Jerry Soltan, DFS

John Lawrence, DFS
 Holly Bartlett, DFS

Attendees Present:

Glenn Robinson, HSB
 James Stiefel, HSB
 Doug Smiley, Travelers
 Stephen Kapnis, CNA
 Mike Robillard, Somp

Chris Fialkowski, FM Global
 Adam Weiner, Comm. Fusion Systems
 Gerold Boehme, Comm. Fusion Systems
 Tyler Ellis, Comm. Fusion Systems
 Andrew D'Allessandro, CFS

- 2) Minutes from previous meetings: The minutes from the previous meeting held on February 15, 2024, were reviewed. ***Motion to approve the minutes made by Charlie Perry, seconded by Anthony Lucia; motion passed by unanimous roll call vote.***
The minutes from the meeting held on March 7, 2024, were reviewed. ***Motion to approve the minutes made by Anthony Lucia, seconded by Charlie Perry; motion passed by unanimous roll call vote.***
- 3) Petitions for inspectional considerations: The following requests for extension of the inspectional requirement received since the last regular meeting in November were entered into record:
- a) Takeda Pharmaceuticals, request dtd February 26, 2024, for a 4-month extension of the inspectional requirement for MA118013
 - b) MCI Shirley, request dtd March 13, 2024, for a 3-month extension of the inspectional requirement for MA061366
 - c) Milford Power, request dtd March 21, 2024, for a 3-month extension of the inspectional requirement for MA068146, MA068666, MA072537, MA072538 and MA140376
 - d) Twin Rivers Technologies, request dtd March 22, 2024, for a 6-month of the inspectional requirement for MA072440, MA072739A and MA187363

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

- 4) Variance Request – Commonwealth Fusion Systems: The Chairman explained Commonwealth Fusion Systems has contracted Linde Kryotechnik to fabricate a 4MW helium cryogenics plant for installation at CFS's Devens facility. The Chairman gave Adam Weiner, CFS, the opportunity to address the Board regarding their request. Mr. Weiner, the System Responsible Officer for CFS, explained that the mission of CFS is to demonstrate fusion energy conversion, and commercialized fusion power plants. They are currently building a demonstration fusion system called 'SPARK'. He explained exactly what the associated 'coldbox' is, and how it works and how it is piped. As the coldbox is manufactured in Europe, the standard by which it is manufactured is EN13480 (European Standard), it has not been certified to be in compliance with ASME code. Their request for a variance to use the EN standard for this piping, have provided a code comparison document, comparing EN 13480 and ASME B31.3. Andrew D'Allesandro, the head of the cryo-plant at CFS, Tyler Ellis, from the CFS compliance team, and Gerold Boehme, the head of quality at Linde Kryoteknik, are also on the call to answer any questions.

Max Greig asked what code would be used in making repairs to this piping, going forward? Mr. Boehme explained that they could use the ASME code, but it would depend on the nature of the defect. If they used the European code, technicians would have to travel to Devens to do this work. Mr. Weiner added that the need to make repairs to internal piping in similar coldboxes is very rare. Mr. Boehme agreed, explaining that the conditions are such that defects rarely occur.

Supervisor Dan Laperle addressed the Board, summarizing the review of this request done by DFS staff.

Anthony Lucia asked if the vessel has been hydrostatically tested, and if the Board has accepted the European standard in the past. The Chairman replied that the Board has not had to consider the European standard in the past. Also, CFS did provide the results of pneumatic testing.

Charlie Perry asked what would happen should the coldbox fail? Andrew D'Allessandro replied that the magnets would fail, and that there would be no chain reaction failure.

Motion to approve this variance solely for this unit/this circumstance. made by Anthony Lucia, seconded by Charlie Perry; motion passed by unanimous roll call vote.

- 5) 522 CMR: Promulgation Status Update: Rachel Perlman, Board Counsel, advised the Board that there are no new updates on the status of the promulgation process.
- 6) Updates from DFS Staff: None
- 7) Matters not reasonably anticipated: None
- 8) Adjournment of Meeting: The next meeting is tentatively set for Thursday, May 2, 2024. ***Motion to adjourn the meeting made by Anthony Lucia, seconded by Charlie Perry; motion passed by majority roll call vote, regular meeting adjourned at 10:35AM.***

List of Documents/Exhibits Used at this Meeting

- a. Minutes, Board Meeting on April 4, 2024
- b. Extension Requests
 - i. Takeda Pharmaceuticals
 - ii. MCI Shirley
 - iii. Milford Power
 - iv. Twin Rivers Technologies
- c. Variance Request – Commonwealth Fusion Systems