

Board of Boiler Rules Meeting Minutes
May 24, 2016
Department of Labor & Industries, Tacoma, WA

Board Members:

Terry Chapin, Chair
Jeff Barnes
Si Carroll
Jeff Waytashek
Lisa Hawkins
Tony Oda, Secretary

Other Attendees:

Michael Carlson, State of Washington
Bruce Weech, State of Washington
Calista Shoblom, State of Washington
Larry Leet, City of Seattle
Steve Frazier, City of Seattle
Doug Barkley, US Oil & Refining Co.*
Fred Rivers, NALCO Chemical*
Don Ugelstad, CH Murphy Clark Ullman*
Brendon Parke, State of Washington
Michael Low, State of Washington
Rick Christner, Kapstone Paper*
Meghan Richards, Kapstone Paper *
Tom Stalick, Kapstone Paper*
Matthew Erlich, Labor & Industries*
Frank Hart, Kapstone Kraft Paper*
Brian Sinsel, Kapstone Paper*
Fred Schultz, Engine Steam Board*
Doug Blackburn, Engine Steam Board*
Terry Keatts, FM Global*

* Attended Study Session only

** Attended Board Meeting only

Due to the abbreviated agenda items, the Board of Boiler Rules Study Session and official Board of Boiler Rules Meeting was held on one day, May 24, 2016.

The Study Session was called to order by Chair Terry Chapin and convened at 10:00 a.m. and it was concluded at 11:35 a.m.

The Board of Boiler Rules meeting was called to order by the Chair on May 24, 2016, at 12:03 p.m. Introductions were made by the board members and guests attending the meeting.

Agenda Item 1.

The meeting agenda was reviewed, and the following actions were implemented, item #4 was tabled, and item #7 was stricken from the agenda. The board approved revisions to the agenda.

Agenda Item 2.

The minutes from the February 23, 2016 meeting were reviewed and approved as written.

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Agenda Item 3.

Extension of Internal Inspection Frequency Request – Kapstone Paper and Packaging Corp. No. 19 Recovery Boiler

Richard Christner, Longview, WA representing Kapstone Paper & Packaging Corp. is seeking an extension of internal inspection frequency for their No. 19 recovery boiler, state number 24429-75W. This request is to allow Kapstone time to perform an engineering study and duct work repair.

The furnace's history over the past decade shows no issues with pressure parts due to Kapstone's thorough maintenance programs. FM Global reviewed and approved the request to extend the normal 12-month operating interval to May 9, 2017 contingent on drainage checks and common maintenance items being performed. The boiler was last internally inspected in November 2015 and was returned to liquor firing on November 9, 2015 with the last emergency shutdown procedure test done on October 30, 2015.

After reviewing the Kapstone supporting document package of photos, inspection and NDE reports, which was found satisfactory, the board granted a onetime 18 month internal inspection frequency extension, not to exceed beyond May 9, 2017. An internal inspection would have to be performed no later than May 9, 2017 and if they must make routine internal inspections conducted with an emergency shut down procedure witnessed by their qualified special inspector and with the following conditions put forth by FM Global:

- Full internal inspection on or before May 9, 2017.
- Any pressure failures between now and May 9, 2017 will be reported to FM Global for reevaluation of the extension approval.
- Complete the ESP (Emergency Shutdown Procedure) test in 2016 and again by May 9, 2017, both procedures are to be witnessed by the FM Global Inservice Inspector.
- The automatic rapid drain valve shall be tested and documented monthly.

The Department will notify Kapstone Paper that their special has been granted with the above listed requirements.

Agenda Item 4.

WAC 296-104-010 addition of definition of surgery centers to place of public assembly

Tony Oda, Department of Labor & Industries, WA proposed revising WAC 296-104-010, definition of "Place of public assembly" to include ambulatory surgery centers.

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WAC 296-104-010 Administration-What are the definitions of terms used in this chapter?

"Place of public assembly" or "assembly hall" shall mean a building or portion of a building used for the gathering together of 50 or more persons for such purposes as deliberation, education, instruction, worship, entertainment, amusement, drinking, or dining or waiting transportation. This shall also include child care centers (those agencies which operate for the care of thirteen or more children), public and private hospitals, **ambulatory surgery centers**, nursing homes and assisted living facilities.

After discussion, it was decided by the board to table this agenda item until the next Boiler Board meeting in August 2016, pending further information.

The department will reach out to stakeholders to see if there is a viable safety concern.

Agenda Item 5.

WAC 296-104-102 (1) & (2) revision of inspections standards for historical steam boilers progress report

The department provided a progress report on this agenda item that originated from the November 2015 Boiler Board. Mike Carlson reached out to all the stakeholders who have historical steam boilers. Fred Schultz, Engine Steam Board and Doug Blackburn, Engine Steam Board provided testimony at the meeting. None of the stakeholders had negative comments to the proposed change.

WAC 296-104-102

Inspection—What are the standards for in-service inspection?

Where a conflict exists between the requirements of the standards listed below and this chapter, this chapter shall prevail. The duties of the in-service inspector do not include the installation's compliance with other standards and requirements (environmental, construction, electrical, undefined industrial standards, etc.), for which other regulatory agencies have authority and responsibility to oversee.

(1) The standard for inspection of nonnuclear boilers, unfired pressure vessels, and safety devices in the National Board Inspection Code (NBIC), current edition Part 2, excluding Section 6, Supplements 1, 5, 6, and 7 which may be used as non-mandatory guidelines.

(2) The standard for inspection of historical steam boilers of riveted construction preserved, restored, or maintained for hobby or demonstration use, shall be Part 2, Supplement 2 of the National Board Inspection Code (NBIC) current edition.

(3) The standard for inspection of nuclear items is ASME section XI. The applicable ASME Code edition and addenda shall be as specified in the owner in-service inspection program plan.

(4) Where a petroleum or chemical process industry owner/user inspection agency so chooses, the standard for inspection of unfired pressure vessels used by the owner

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shall be the API-510 Pressure Vessel Inspection Code, current edition. This code may be used on or after the date of issue.

(5) TAPPI TIP 0402-16, revised 2011 may be used for both pulp dryers and paper machine dryers when requested by the owner. When requested by the owner, this document becomes a requirement and not a guideline.

The board motioned and voted to approve the revisions of section 1 & 2 for the inspections standards for historical steam boilers.

Agenda Item 6.

WAC 296-104-502 (2) revision to update repair standard for historical boilers progress report

The department provided a progress report on this agenda item that originated from the November 2015 Boiler Board.

Revisions in item (1) are proposed to synchronize WAC 296-104-502 with previously adopted WAC 296-104-102 changes, where the boiler board adopted the current edition of the NBIC.

The board motioned and voted to approve the revisions of sub section 1 & 2.

WAC 296-104-502

Repairs—What is the standard for nonnuclear repairs and alterations?

The standard for repairs/alterations is:

- (1) National Board Inspection Code (NBIC), current edition Part 3, excluding Section 6, Supplements 1, 2, 5, 6, and 10 which may be used as nonmandatory guidelines.
- (2) The standard for repair of historical boilers or riveted construction preserved, restored, or maintained for hobby or demonstration use, shall be Appendix C of the National Board Inspection Code (NBIC) 2004 edition with 2006 addenda.

The board motioned and voted to approve the standard for historical boilers.

Agenda Item 7.

WAC 296-104-502 (1) revision of NBIC edition

The board motioned to strike agenda item 7.

Agenda Item 8.

Department Notes:

• **HB5234 Senate Bill Update – Hobby Boiler Exemption**

This Senate bill did not make it to the floor for this year's legislative session; Kitsap Live Steamers (KLS) are hoping to exempt and receive a perpetual certificate as they perform in-

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house tests. They are prepared to have their entire active hobby boilers tested and recertified this April for another annual certificate renewal and hopefully, get their bill passed next year.

- **Fee Increase Update**

House bill fee increase has been approved and is to increase fees by the fiscal growth factor of 4.32% for the fiscal year 2017.

- **Electronic Boiler Controls**

Michael Low, State of Washington provided testimony on low-pressure boilers. Per WAC 296-104-303, running into many controls being built into the programming and not able to test safety interlocks.

The Chair, Terry Chapin's term is expiring August 22, 2016. Terry has submitted an application to the Governor's office for reappointment for another 4 year term.

Meeting adjourned at 12:48 p.m.