



Oregon

Kate Brown, Governor

Department of Consumer and Business Services

Building Codes Division

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Board of Boiler Rules

Meeting agenda

Tuesday, March 2, 2021, 9:30 a.m.

Late submission now included for Item VII.A.

Live virtual-conference board meeting

Audio streamed via the [Internet](#)

I. Board business

- A. Call to order
- B. Roll call
- C. Approval of agenda and order of business
- D. Approval of the draft board meeting minutes of [Dec. 1, 2020](#)
- E. Date of the next regularly scheduled meeting: ***June 1, 2021***

II. Public comment

The division is taking extra precautions for public meetings given concerns regarding the Coronavirus/COVID-19. Board members and staff will be connected by “GoToMeeting.” Because of these unusual circumstances, the division is taking steps to ensure an opportunity for written testimony and remote oral testimony for the public. Send your written testimony or request to provide oral public testimony to the boards coordinator 24 hours in advance of this meeting date. Requesting oral testimony for this meeting has a cutoff date of March 1, 2021, at noon. (Additional instructions are at the end of the agenda).

III. Reports

Program update

IV. Communications - None

V. Appeals - None

VI. Unfinished business - None

VII. New business

- A. Board selection of [committee membership](#) for the review of the 2021 Oregon Boiler Pressure Vessel Specialty Code (OBPVSC) (***Late submission now included***)
- B. Board review and approve [committee recommendations](#) for new continuing education course and instructor applications

VIII. Announcements – None

IX. Adjournment

Please read carefully

Temporary instructions for submitting public testimony for board meetings:

- Please submit written testimony for consideration by noon the day before the scheduled meeting by email to debra.j.woods@oregon.gov.
- Include your name and the organization you represent (if any).
- List the board and agenda item to which your comments are related.
- Please include all related material.
- Expect an email from the boards coordinator, the chief, or the chair of the board acknowledging that your testimony has been received and will be presented to the board.
- *If you would like to be connected through GoToMeeting for oral testimony, please send an email to debra.j.woods@oregon.gov and the boards coordinator will send you specific instructions on the process by email. Please include your name, organization, and the agenda item to which your testimony relates. The board Chair will manage public testimony during the meeting. Testimony will be limited to 5 minutes.*
- If you do not receive confirmation of your testimony within one business day or by 8:30 a.m. on the date of the board meeting, please resubmit your testimony.

Thank you for working with us to ensure the health and safety of all participants.

Note: For information regarding re-appointments or board vacancies, please visit the governor's [website](#).

State of Oregon

Board of Boiler Rules Virtual meeting minutes Dec. 1, 2020

- Members present:** Chris Baier, chair, steamfitter
Thomas Engstrom, boilermaker
Roger Hendrix, mfr/owner of boilers or pressure vessels
Patrick Lamb, practical steam operating engineer
Jeff Rotert, owner/user high pressure boiler
Ryan Garvey, public member
- Members absent:** Blake Alexander, boiler installation and repair
Gregory Moyer, insurance inspector
Vacant, mechanical engineer registered by the State of Oregon
- Staff:** Alana Cox, interim administrator, Building Codes Division
Thomas Clark, boiler program chief, Statewide Operations
Tyler Glaze, policy analyst, Policy and Technical Services
Warren Jackson, manager, Statewide Operations
Debi Barnes-Woods, boards administrator/coordinator, PTS
Melissa Stiles, policy development coordinator, PTS
- Guests:** Kenneth Hill, retiring board member
Katharine DiSalle, senior assistant attorney general, Oregon
Department of Justice
Kathryn VanNatta, director of government and regulatory affairs,
Northwest Pulp and Paper Association
Rob Macdonald, engineering manager, Cascade Pacific Pulp

I. Board business

A. Call to order

Chair Chris Baier called the Board of Boiler Rules virtual meeting of Dec. 1, 2020, to order at 9:30 a.m.

B. Roll call

Blake Alexander and Gregory Moyer were absent. All other board members were connected by GoToMeeting.

C. Approval of the agenda and order of business

Chair Baier **RULED** the agenda and order of business approved.

D. Approval of the draft meeting minutes

Chair Baier **RULED** the draft meeting minutes of Sept. 1, 2020, final.

E. Date of the next regularly scheduled meeting: March 2, 2021.

F. Board review of 2021 meeting dates: March 2, June 1, Sept. 14, Dec. 7.

G. Farewell to Kenneth Hill.

Boiler Chief Thomas Clark thanked Board Member Kenneth Hill for his decade of service to the board. Mr. Hill was confirmed to the Board of Boiler Rules Oct. 1, 2010 to the position of owner or user of a pressure vessel in Oregon. He made his first boiler tube at age 18 working for Babcock & Wilcox, while earning a mechanical engineering degree from West Virginia University. He was a boiler engineer for Willamette Industries and Weyerhaeuser before becoming the maintenance and engineering manager at International Paper in Springfield. Mr. Hill said his goal has been to assure both industry safety and success.

H. Welcome new board members to vacant positions:

The board welcomed Joseph Ryan Garvey, public member, a welding instructor who has worked around boilers for many years, appointed to his first term beginning October 1, 2020. The board also welcomed Jeffery Rotert, user of a pressure vessel, appointed to his first term beginning October 1, 2020. He works for CB Richard Ellis and is responsible for daily boiler operations and maintenance on the OHSU campus and will be transferred to Nike in 2021.

II. Executive session

Board to review information exempt by law from public inspection – written advice from the board’s legal counsel. ORS 192.660(2)(f)

Chair Baier read a script to start executive session at 9:39 a.m. The public GoToMeeting ended and the board adjourned to executive session. No voting took place during deliberations. When the executive session ended, the board returned to the public GoToMeeting at 10:15 a.m. Chair Baier requested roll call to confirm board members had reconnected to the public meeting. Six members verbally responded to roll call and a quorum was confirmed: Chair Chris Baier, Vice Chair Roger Hendrix, Thomas Engstrom, Ryan Garvey, Patrick Lamb, and Jeff Rotert.

III. Public comment

Kathryn VanNatta, director of regulatory and government affairs for the Northwest Pulp and Paper Association (NWPPA) in Hillsboro, testified first. NWPPA represents pulp and paper and other forest product companies owning and operating boilers regulated by the recent temporary rule about inspections. NWPPA participated in the rule making for OAR 918-225-0590 posted here: <https://www.oregon.gov/bcd/laws-rules/Documents/20200831-boiler-insp-ext-pr.pdf> At the last board meeting, NWPPA raised concern the rule does not allow businesses to operate with a sense of certainty or to plan for 2021 operations..

Rob Macdonald, engineering manager at Cascade Pacific Pulp, which operates a recovery boiler that runs 24 hours a day, 7 days a week, also testified. For the last nine maintenance cycles, Cascade Pacific Pulp has worked with its insurance

provider and division inspectors to request 6-month extensions over an 18-month duration. Cascade Pacific Pulp has demonstrated a history of safe operation. For Cascade Pacific Pulp's viability, it is important to operate on an 18-month cycle. The proposed rule with one extension every four years would be a hindrance to current operations.

Chair Baier said he would like to form a committee to discuss the boiler inspection cycle and asked for volunteers. Member Ryan Garvey volunteered, along with Rob Macdonald and Kathryn VanNatta.

IV. Reports

Program update

Chief Clark presented a 2021 code adoption timeline. Selecting committee membership begins now and will be announced at the March 2 Board of Boiler Rules meeting. The committee meets in April and May and will present recommendations for review at the June 1 board meeting. The division will follow up with a public rulemaking hearing. At its September 14 meeting, the board will review code changes and adopt the permanent rule for the new code, effective October 1, 2021. Chief Clark said the timing lines up for the board to adopt the 2021 code in 2021, a great opportunity to keep up with industry. Board members and public members are welcome to be on the code committee.

Chief Clark updated the board that overdue state inspections are averaging 18 percent, up from 17 percent in October, while insurance inspections are averaging 21 percent, down from 22 percent. This was expected due to facilities shut down for the pandemic, forest fires, and a state inspector vacancy.

Chief Clark had two accidents to report. The first was in a school with a low-pressure steam boiler fed by a reservoir treated at the source. The equipment operator was not following standard procedure. Sediment build up resulted in the boiler boiling itself dry and burning out gaskets. There were no injuries and only minor boiler damage. The division performed an investigation and directed operators to work with a water treatment company on a plan for future operations.

The second accident, much more serious and tragic, was not reported to the division until six months after the fact. Last spring, an Oregon facility that performs cannabis oil extraction installed a high-pressure CO2 extraction unit with multiple vessels connected by pressure piping. The state inspected the equipment on a Friday and found everything satisfactory. The next day, the owner tested the equipment without any product pressurizing the system and running it through its cycles. On Monday, during the first operational run, two people standing next to the equipment during a pressure change were injured when a pipe fitting failed and the pipe broke free. One person remains in a coma and may never recover. The division performed a full investigation, reviewing the owner-user accident report and Oregon OSHA documents and determined it was an accident. An engineering firm is looking into why the fitting failed. To mitigate future risks, the company

installed brackets around the pipes. They also created an operational boundary, restricting operators from entering when the vessel is pressurized. Because the customer was not aware of the requirement to report, the division is looking at ways to get information out, including making a flyer or adding a reminder to inspector email signatures.

V. Communications – None

VI. Appeals - None

VII. Unfinished business - None

VIII. New business

Board review and approve committee recommendations on new continuing education course and instructor application

Tyler Glaze, policy analyst, reviewed the committee recommendations of new instructor and course applications, 5 applications from one organization. One course and four instructors were recommended for approval.

Motion by Roger Hendrix to approve committee recommendations for approval of courses and instructors.

Yea: Patrick Lamb, Vice Chair Roger Hendrix, Thomas Engstrom, Jeff Rotert, Ryan Garvey, and Chair Chris Baier.

Nay: None.

Motion passed unanimously.

IX. Announcements

X. Adjournment

Chair Chris Baier adjourned the meeting at 10:54 a.m.

Respectfully submitted by Melissa Stiles, policy development coordinator.

State of Oregon

Board memo

Building Codes Division

March 2, 2021

To: Board of Boiler Rules

From: Tyler Glaze, policy analyst, Policy and Technical Services

Subject: Committee membership for 2021 Oregon Boiler Pressure Vessel Specialty Code

Action requested:

Board of Boiler Rules review and selection of a code review committee for the 2021 Oregon Boiler Pressure Vessel Specialty Code (OBPVSC).

Background:

At the December 1, 2020, Board of Boiler Rules meeting, board members discussed appointing a code review committee for the 2021 OBPVSC. The division issued a solicitation for individuals interested in participating in the code review committee on January 22, 2021. The solicitation closed on February 12, 2021. Two applicants applied to be on the committee: Andrew Eads and Timothy Blomdah. After the application period concluded, Chair Chris Baier nominated additional code committee members.

Discussion:

The following is Chair Chris Baier's recommendation for the code adoption committee for the 2021 OBPVSC:

Chris Baier Boiler Board Chair, Weld Program Quality Control Manager PGE
Roger Hendrix Boiler Board Vice Chair, Quality Control Manager TCM
Andrew Eads Mechanical Engineer PGE, Subject matter expertise: piping systems, boilers, codes and standards
Timothy Blomdahl Engineer, Radiant Realities
Dwight Koller Boiler Inspector, Liberty Mutual Insurance

Options:

- Board may approve the Chair's recommendations for members of the 2021 OBPVSC.
- Board may modify and approve the Chair's recommendations for members of the 2021 OBPVSC.

State of Oregon

Board memo

Building Codes Division

March 2, 2021

To: Board of Boiler Rules

From: Tyler Glaze, policy analyst, Policy and Technical Services

Subject: Continuing Education Applications

Action requested:

Board of Boiler Rules review and approve the continuing education committee's recommendations for continuing education courses and instructors.

Background:

Under ORS 455.117, the board may adopt rules to administer the licenses issued under ORS Chapter 480. Those rules may include training and continuing education requirements to maintain a license.

Under this authority, the board has established standards for the approval of continuing education courses and instructors, and a Boiler Continuing Education Review Committee. The committee is responsible for reviewing course and instructor applications to ensure compliance with the standards established by the board, and making recommendations for the approval and denial of course and instructor applications to the board. The committee completed review of continuing education course and instructor applications on February 3, 2021. The committee reviewed 5 applications from 2 organizations:

- 1 course was recommended for approval.
- 2 instructors were recommended for approval.
- 2 instructors were recommended for denial.

In addition to the Oregon Rule and Law criteria, the committee is using the following when reviewing applications:

- For correspondence courses – provider must submit complete course.
- For online courses – provider must submit a log-on or screen shots of course content.
- OSHA courses are eligible for a maximum of eight hours code-related credit.
- First Aid, CPR & AED courses are eligible for a maximum of eight hours code-related credit.

Options:

- Approve the committee's recommendations for approval or denial of courses or instructors.
- Amend the committee's recommendation for approval or denial of courses and instructors, and approve those amendments. (*Include what the amendments are in the motion*).
- Disapprove the committee's recommendations for approval or denial of courses or instructors. (*Provide specific reasons for the disapproval in the motion*).

Board of Boiler Rules
Committee on Continuing Education Course and Instructor Review
March 2, 2021

Courses

	Applicant	Course Name	Committee Recommendation
1	290tech	Ultrasonic Testing 101 8 hours CR	Approve for 2018 Code Cycle

Instructors

	Applicant	Committee Recommendation
1	Dennis Coplin UA Local 290	Approve for 2018 Code Cycle
2	Robert Degraw UA Local 290	Approve for 2018 Code Cycle
3	David G. Hiebert	Deny
4	Bryan Oguri	Deny