



# Oregon

Kate Brown, Governor

Department of Consumer and Business Services

Building Codes Division

1535 Edgewater Street NW

P.O. Box 14470

Salem, OR 97309-0404

503-378-4133

Fax: 503-378-2322

bcd.oregon.gov

## *Board of Boiler Rules*

### **Rescheduled** meeting agenda

Tuesday, February 16, 9:30 a.m.

Conference Room A

Board meetings are broadcast live via the Internet

Click on "View live meetings"

#### **I. Board business**

- A. Call to order
- B. Roll call
- C. Approval of agenda and order of business
- D. Approval of the September 1, 2015, board meeting minutes
- E. Date of the next regularly scheduled meeting: June 7, 2016
- F. Formal farewell to Edward Pitzrick

#### **II. Public comment**

*This time is available for individuals wanting to address the board on **non-agenda items only**. The board will not take action on non-agenda items raised under public comment at this meeting. Testimony on agenda items will be heard when the item is called. (See "Issues to remember when addressing the board" at the end of this agenda).*

#### **III. Reports**

- A. Building Codes Division report
- B. Program update

#### **IV. Communications** - None

#### **V. Appeals** - None

#### **VI. Unfinished business** - None

#### **VII. New business**

- A. License Determination Review - out of state exemption from obtaining an Oregon boiler license
- B. Board review and approve committee's recommendations on new continuing education courses and instructors

#### **VIII. Announcements** - None

## IX. Adjournment

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### **Issues to remember when addressing the board:**

- All public participation is subject to the discretion of the board Chair for order of testimony, length and relevance.
- Speakers are generally limited to five minutes.
- Please register on the attendance registration form and on the public testimony registration form, listing the appropriate agenda item.
- The board Chair will call you to the front testimony table.
- Please state your name and the organization you represent (if any).
- Always address your comments through the Chair.
- If written material is included, please provide 20 three-hole-punched copies of all information to the boards coordinator prior to the start of the meeting and, when possible, staff respectfully requests an electronic copy of materials 24 hours prior to the meeting.

**Interpreter services or auxiliary aids for persons with disabilities are available upon advance request. Persons making presentations including the use of video, DVD, PowerPoint, or overhead projection equipment are asked to contact boards coordinator 24 hours prior to the meeting. For assistance, please contact Debi Barnes-Woods at (503) 378-6787.**

Please do not park vehicles with "E" plates in "customer only" spaces.

*Note:* For information regarding re-appointments or board vacancies, please visit the Governor's website.



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February 2, 2016

**To:** Board of Boiler Rules  
Members/Interested parties

**From:** Blake Alexander/Division  
Board of Boiler Rules Board Chair

**Re:** **Rescheduled March 1 Board meeting**

The Board of Boiler Rules Board meeting scheduled for March 1, 2016, is rescheduled to *Tuesday, February 16, 2016*, in Conference Room A. This Board meeting is *scheduled to begin at 9:30 a.m.*

All board meetings are held at Building Codes Division at 1535 Edgewater St NW, Salem, OR 97304.

Please contact Kevin Perdue, boiler program chief, at 503-373-7499, or Debi Barnes-Woods, boards administrator, at 503-378-6787 if you have questions.

For all board information, please visit the Building Codes Division [Website](#).

**Board of Boiler Rules  
Meeting minutes  
September 1, 2015**

- Members present:** Blake Alexander, Chair, boiler installation and repair  
Thomas Engstrom, boiler maker  
Roger Hendrix, mfr/owner of boilers or pressure vessels  
Kenneth Hill, owner/operator pressure vessel  
Greg Itoh, public member  
Patrick Lamb, practical steam operating engineer  
Mark Stenberg, steamfitter
- Members absent:** Eric Anderson, Vice-chair, mechanical engineer  
Jon Hooker, owner/operator pressure vessel  
Edward Pitzrick, insurance inspector
- Staff present:** Brett Salmon, manager, Policy and Technical Services  
Andrea Simmons, manager, Enforcement and Training Services  
Jeff Starkey, assistant manager, Statewide Services  
Kevin Perdue, boiler program chief, Statewide Services  
Adam Blechman, enforcement policy analyst, Enforcement Services  
Tyler Larson, policy analyst, Policy and Technical Services  
Richard Baumann, policy analyst, Policy and Technical Services  
Debi Barnes-Woods, boards administrator/coordinator, Policy and Technical Services
- Guests present:** Don VanTungeln, Hartford Steam Boiler (HSB)  
Andy Adams, HSB  
GF Scheuermann, IAPMO  
Bob Graham, ARISE  
Mike Graham, retired

**I. Board business**

**A. Call to order**

Chairman Blake Alexander called the Board of Boiler Rules board meeting of September 1, 2015, to order at 9:30 a.m. The meeting was held at the Building Codes Division in Conference Room A, 1535 Edgewater Street NW, Salem, Oregon.

**B. Roll call**

Vice-chair Eric Anderson, Jon Hooker, and Edward Pitzrick were all absent excused.

This Board has one vacant position: Owner/user or representative and employee of owner/user of low pressure boiler.

**C. Approval of the agenda and order of business**

Chair Alexander **RULED** the agenda of September 1, 2015, approved.

**D. Approval of the meeting minutes**

Chair Alexander **RULED** the meeting minutes of [June 2, 2015](#), approved.

**E. Date of the next regularly scheduled meeting:** December 1, 2015.

**II. Public comment** - None

**III. Reports**

**A. Building Codes Division report**

Brett Salmon, manager, Policy and Technical Services, said during the 2013 Legislation Session, Senate Bill 582 required the Division to give an Annual Report to each Division board. Mark Long, Administrator, Building Codes Division, will give that report at the next scheduled meeting.

Andrea Simmons, manager, Training and Licensing, said the Chair/Vice-chair group will be gathering to review rules related to licensing requirements, renewal dates, and processes of updating records.

**B. Program update**

Kevin Perdue, boiler program chief, State Inspection Services, discussed the number of overdue inspections noting that the numbers are down because the program is fully staffed with inspectors.

Jeff Starkey, assistant manager, Statewide Services, responded to a number of questions developed on behalf of the Board and addressed to the Division. Mr. Starkey said that some questions appear to be related to the state's computer program for inspection, billing, and tracking of boilers. The questions suggest a change to the Division's computer system without clearly stating a reason for such change. Mr. Starkey said as a general matter, the Division does not have upgrades or changes to the computer system planned for this biennium (2015 to 2017). Expenditure decisions for significant technology changes are generally made during budget development, which occurs approximately one year before the start of each biennium. Mr. Starkey went on to say some questions focused on due dates for inspections. The Division prioritizes work based on public safety. Another question was related to rules adopted clarifying that vessels on vehicles, hobby miniature steam devices and traction devices are devices outside of the Division's mission. The Division's mission is to protect users and occupants of buildings. Mr. Starkey said customer service is very important to the Division not just for the boiler program but across program areas. The Division appreciates the Board's input, and to insure that the program is meeting customer needs, the Assistant Plumbing Program Chief has been made available as necessary.

**IV. Communications** - None

**V. Appeals** – None

**VI. Unfinished business** - None

**VII. New business**

**Board review and approve committee’s recommendations on new continuing education course and instructors**

Richard Baumann, policy analyst, reviewed the new courses and instructor applications the committee approved/denied or has pending. Mr. Baumann explained the pending category for the Board.

To view continuing education rules, click on the blue underlined link: Oregon Administrative Rules (OAR) 918-035-0000, Division 35.

<http://www.cbs.state.or.us/external/bcd/rules/035.pdf>

**Motion by Kenneth Hill** to approve the committee’s recommendations for approval or denial of courses or instructors.

**Motion carried unanimously**

**VIII. Announcements** – None

**IX. Adjournment**

Chair Alexander adjourned the meeting at 9:50 a.m.

Respectfully submitted by Debi Barnes-Woods  
Boards Administrator/Coordinator

**State of Oregon**

**Board Memo**

**Building Codes Division**

**February 16, 2016**

**To:** Board of Boiler Rules

**From:** Todd Smith, policy analyst, Policy and Technical Services

**Subject:** License Determination Review

**Background:**

In October 2015 the chief boiler inspector received a request from an out-of-state company, SERF Inc., located in Cantonment, Florida to perform specialty repair work on heat exchangers for Cascade Pacific Pulp in Halsey, Oregon. SERF Inc. is a subcontractor working for Andritz, Inc. The chief boiler inspector reviewed the credentials and the specific scope of the work to be performed by SERF, Inc. and determined that the work required special tools or a special process for which the person requesting to do the work was uniquely qualified. He then approved SERF Inc.'s request for exemption from a Class 4 Boiler License subject to the following conditions:

1. Repair limited to evaporator vessel only.
2. Purchase of Boiler Business License.
3. Purchase of repair permit.
4. Notify Chief Boiler Inspector prior to any work under this permit.
5. Have available to the inspector a copy of QCS & WPS, WPQ.
6. Include AIA (OneCIS) inspector's name and contact phone number on repair permit.
7. Perform repair work in accordance with the relevant code sections and national standards.

The Division requests the Board review staff's determination to exempt the proposed work from a boiler license.

**Options:**

- Review and concur that staff's determination is compliant with Board of Boiler rules.
- Review and amend staff's determination in order to make staff's determination compliant with Board of Boiler rules.
- Review and not concur with staff's determination because it is not compliant with Board of Boiler rules.

**PERDUE Mark K \* DCBS**

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**From:** PERDUE Mark K \* DCBS  
**Sent:** Wednesday, October 28, 2015 9:16 AM  
**To:** 'DrSparks'; engineering@serfinc.com; 'scott'; Jerry Pecue; Mark Truex; 'Roger Brown'  
**Subject:** RE: Andritz Halsey Lic. & Permit

Mr. Sparks,

I've read the outline of work to be performed at Cascade Pacific Pulp in Halsey, Oregon during the month of March 2016.

I will allow SERF to do this project under the ORS 480.630 (7); The activity shall be limited solely to the work performed under the Nation Board "R" stamp accreditation and requirements as follows;

- a). Repair limited to Evaporator vessel only.
- b). Purchase of Boiler Business license. \$495.00 (all other license requirements waived)
- c). Purchase of Repair Permit. ( Insurance AI \$40.00 / State AI \$125.00)
- d). Notify Chief Boiler Inspector prior to any work under this permit.
- e). Have available to the inspector a copy of QCS & WPS's, WPQ's.
- f). Include AIA (OneCIS) inspector's name and contact phone number on Repair permit.

Note: Oregon requires BB license before any contractor is issued permits.

[mark.k.perdue@oregon.gov](mailto:mark.k.perdue@oregon.gov)

Kevin Perdue  
Chief Boiler Inspector

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**From:** DrSparks [<mailto:DrSparks@serfinc.com>]  
**Sent:** Tuesday, October 27, 2015 1:01 PM  
**To:** PERDUE Mark K \* DCBS; [engineering@serfinc.com](mailto:engineering@serfinc.com); 'scott'; Jerry Pecue; Mark Truex; 'Roger Brown'  
**Subject:** Andritz Halsey Lic. & Permit

Mr. Perdue  
Chief Boiler Inspector  
State of Oregon

Attached please find or description of work to be performed by our company in the Cascade Pacific Pulp Mill.

I hope you find the proposed licensing and permitting proper for this project.

Once again thank you for help in this matter.

Sincerely

Jack Sparks, Engineer



3065 S. Hwy 29 • P.O. Box 59  
Cantonment, FL 32533  
(North of Pensacola, FL)

Phone: (850) 476-8203  
Fax: (850) 479-0920  
Email: [drsparks@serfinc.com](mailto:drsparks@serfinc.com)

10/27/15

Mr. Kevin Perdue  
Chief Boiler Inspector  
State of Oregon  
[mark.k.perdue@oregon.gov](mailto:mark.k.perdue@oregon.gov)  
503-302-9234

Dear Mr. Perdue, Chief Boiler Inspector

Thank you for your assistance and phone response today.

We are an ASME and Natl. Bd. contractor and have a Repair “R” Stamp Project at the Cascade Pacific Pulp mill in Halsey, Oregon during the month of March 2015.

We are proceeding to complete all applicable licensing and permitting for this project.

The project is work to replace the plate elements in an evaporator within the mill as follows:

- Evaporator MAWP 30 psi and MAWT 300° F
- Receive new elements and piping
- Cut the top head off and remove the old elements all stainless steel
- Replace the internal elements and connecting piping with all stainless steel
- Weld head back on the pressure vessel
- Perform applicable NDT
- Hydro test to code
- Document and Data package
- Inspection by OneCIS A/I our contract service provider
- Stamp the evaporator with the “R” stamp.
- All work will be within the evaporator boundaries
- The “R” Stamp work is for the head to shell joint and clips welded to shell wall all other work is internal to the pressure retaining boundary, all other is piping to code.

According to our research in the Oregon State law I have attached/included our understanding of the boiler code in Oregon regarding licensing, permitting and code craftsman designation for this specific work project.

I believe we have talked on one occasion in this matter concerning the proper procedures which I have summarized for your review and comment.

Please review this submittal for this project. Our understanding is there is no requirement for an examination/testing of our personnel and only applications for licenses and permitting is required.

Once again thank you for your help in this matter.

Sincerely  
Jack Sparks, Engineer  
President

Visit our Website @ [www.Serfinc.com](http://www.Serfinc.com)



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## Cascade Pacific Pulp Mill Project Requirements

By Jack Sparks, PhD, PE, RG, RM, 10/27/15

For:

### Cascade Pacific Pulp Mill

30480 AMERICAN DR  
HALSEY, OR 97348-9750  
(541) 369-2841  
[www.cascadepulp.com](http://www.cascadepulp.com)

### Forward

The following is our understanding for the State of Oregon requirements to provide the Repair for the 1<sup>st</sup> Effect Evaporator (ASME Code Pressurized Thermal Product) at the Cascade Pacific Pulp Mill. We are initiating this process.

## Oregon State Code Requirements for Permitting and Repair

### Boiler and Pressure Vessels Repairs

- 1) Are serviced under the Oregon State adopted 2013 ASME Boiler and Pressure Vessel code with Oregon Amendments, for manufacture and repair.
- 2) SERF Inc. is an authorized ASME code and National Boiler Pressure Vessel company holding the:
  - a. "U", #19977 ASME
  - b. "S", #27424 ASME
  - c. "R", #1286 Natl. Bd. stamps.
- 3) We will make contact with Chief Inspector Kevin Perdue for the Oregon State area BPVC to confirm our process for this project:
  - a. Our credentials must be included in the work to be performed
  - b. The Natl. Bd. "R" Stamping is required per the Oregon adopted code
  - c. Work can only be performed within the boundaries of the pressure vessels i.e./and pertaining to the envelope and inlets and outlets connections
- 1) We are subcontractors to equipment OEM Andritz Inc. to perform this work. SERF is a specialized contractor for replacing the internal equipment elements manufactured by Andritz Inc. These are very sensitive heat exchanger plates which require very special care in welding and installation.

### SECTION 13. ORS 480.630 is amended to read:

(7) The license and examination requirements of this section **and ORS 480.632** do not apply when a person is brought in from out of state to repair or alter a boiler or pressure vessel utilizing special tools or a special process for which that person is uniquely qualified. The

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activity shall be limited solely to the special process and the person performing the work shall have qualifications that meet or exceed license standards as determined by the chief boiler inspector. The chief boiler inspector shall be notified prior to performance of any work under this subsection.

- a. Exempt from CCB licensure requirement statement

**Form 2888-C “exemption is granted per the above SECTION 13 ORS 480.630 (7) page 2**

- b. Signing Supervisors. An ASME tested/qualified supervising craftsman must be present on each shift of work. This Supervision will be provided by our 3 Supervisors and designated Class 4, per Oregon (BCD) from our QC program and qualified by work experience (there is no examination required for these supervisors). These supervisors are also qualified welders within our QC program.

**Form 2888-C “qualified person (QP) page 2**

- c. Welding Craftsmen are qualified and tested for skill under our ASME QC System to apply the Natl. Bd. “R” stamp (there will be no testing requirements for these qualified craftsmen). Each welding craftsman is equivalent to a Class 6
  - i. WPS, PQR, WQR, for base metal and consumables must be on file.

**Business License Requirement for work is for (BB)**

- 1) An Oregon state business license must be obtained for (BB)  
Instruction for Completing the Single Contractor Business License

**Form 440-2888(1/15COM) pages 1-5**

- a. This will be a new SERF license for Oregon, [dcbs.oregon.gov/MyLicense](http://dcbs.oregon.gov/MyLicense)
  - i. Requires state address Registration
- b. Insurance certificates and workers compensation insurance must be provided/documented, **and a fee \$495 is required**
- c. A federal ID number is require

**SERF will execute this application**

**An Oregon State Permit for this work is Required**

- 2) A Boiler/Pressure Vessel Alteration, or Repair Permit Application is required from, Oregon DCBS (Dept. of Consumer and Business Services, Building Codes Div., Boiler Section
  - a. **Fee required \$ 125 Form 440-2502A**
  - b. This will satisfy:
    - i. Alteration or Repair to the Pressure Vessel Envelop and Piping
    - ii. And the heating elements change outs

**SERF will execute this application**

- 3) A list of employees for QC (QP) and craft skills for class qualifications will be provided
- 4) Our understanding there is no permit required from the Halsey/Linn County Building Board for this work.

**Visit our Website @ [www.Serfinc.com](http://www.Serfinc.com)**

**State of Oregon**

**Board memo**

**Building Codes Division**

**February 16, 2016**

**To:** Board of Boiler Rules

**From:** Richard Baumann, policy analyst, Policy and Technical Services

**Subject:** Continuing Education Course Approval Process

**Action requested:**

Board of Boiler Rules consideration of the Continuing Education Committee's recommendations regarding continuing education courses and instructors.

**Background:**

The Board of Boiler Rules establishes continuing education (CE) requirements for boiler and pressure vessel licensees in order to ensure licensees possess up-to-date knowledge of the code. They set standards for approval of courses and providers in order to have a sufficient number and variety of CE courses available to licensees. The Board's continuing education committee evaluates courses and instructors on the board's behalf. The committee met on January 19, 2016, to review CE course and instructor applications. The committee reviewed 6 applications from 3 organizations:

- 3 courses were recommended for approval.
- No courses were recommended for denial.
- No courses are pending.
- 3 instructors were recommended for approval.
- No instructors were recommended for denial.

See attached summary for more information.

The committee is also using the following criteria 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 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 and approve the committee's recommendations for approval or denial of courses or instructors.
- Disapprove the committee's recommendations for approval or denial of courses or instructors.

**Board of Boiler Rules**  
**Committee on Continuing Education Course and Instructor Review**  
**3/1/16**

**Courses**

	<b>Applicant</b>	<b>Course Name</b>	<b>Committee Recommendation</b>	<b>Board Action</b>
1	Gordian Solutions, LLC.	ASME Boiler and Pressure Vessel Code: Section IX Welding and Brazing Qualifications – Part 1 (8 hours CR)	Approve	
2	Cascade Shoring, LLC.	Competent Person – Excavation Safety (4 hours CR)	Approve	
3	Oregon Boiler & Pressure Vessels Association	Boiler, Pressure Vessel and Boiler Room Safety (8.0 hours CR)	Approve – course hours reduced to 8 hours from 8.5.	

**Instructors**

	<b>Applicant</b>	<b>Course Name</b>	<b>Committee Recommendation</b>	<b>Board Action</b>
1	Roger Hendrix Gordian Solutions, LLC.	Instructor – Previously approved by the Board	Approve	
2	Bret Taylor Cascade Shoring, LLC.	Instructor	Approve	
3	William Crorey, P.E.	Instructor (Oregon Boiler and Pressure Vessel Association Annual Meeting)	Approve	

**Applications Pending**

	<b>Applicant</b>	<b>Course Name</b>	<b>Committee Recommendation</b>
		None	