

Board of Boiler Rules Meeting Minutes
September 10, 2014
Department of Labor & Industries, Tacoma, WA

Board Members:

Robert Olson, Chair
Larry Trenda
Jeff Barnes
Terry Chapin
Jeff Waytashek
Tony Oda, Secretary

Other Attendees:

Michael Carlson, State of Washington
Tim Barker, FM Global*
Larry Leet, City of Seattle**
Ray Powell, REC Silicon
Brad McBee, REC Silicon
Bruce Weech, State of Washington*
Jim Ames, Transfuels, LLC*
Xin Feng, Shijiazhuang Zuric*
LanHui Zhai, Gas Equipment, Inc.*

* Attended Study Session only

** Attended Board Meeting only

The Board of Boiler Rules Study Session was held on September 9, 2014, from 10:00 a.m. to 11:46 a.m.

The Board of Boiler Rules meeting was called to order by the Chair on September 10, 2014, at 10:00 a.m. Introductions were made by the board members and guests attending the meeting.

Agenda Item 1.

The meeting agenda was reviewed and approved as written.

Agenda Item 2.

During the study session, the minutes from the May 28, 2014, meeting were reviewed by the board, Larry Trenda noted that line 24 of official transcript from public hearing on the WAC changes had an error. It identified Tony Oda as a board member. The department contacted the transcriber's office and had the official transcript corrected to read Tony Oda, Secretary to the Board. The board had no other comments and the minutes were approved as amended.

Agenda Item 3.

WA State Special Request – Transfuels Plymouth Loadout

Two requests for Washington state specials were submitted by Transfuels, LLC.

- 1) The first request was for 4 ASME Section VIII, Division 1 built pressure vessels for LNG storage without NB registration numbers located at 42618 Christy Road, Plymouth, WA. These tanks were manufactured in the Peoples Republic of China by Shijiazhuang Enric Gas Equipment. They were built in 2012, to the 2010 Edition /2011 Addenda of the ASME Section VIII Division 1, Pressure Vessel Code. Transfuels, LLC submitted an Installation Permit on 07/28/2014, and these tanks were inspected by a State of Washington jurisdictional inspector on 08/06/2014. A non-compliance report was

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submitted from the state inspector on 8/6/14 for not complying with the National Board registration requirement in WAC 296-104-021.

A well-organized and complete design package was presented by Jim Ames (Transfuels, LLC) with Manufacturers Data Reports, Drawings/specifications, calculations, NDE reports and photos of the vessels and nameplates.

The manufacturer serial numbers for the vessels are 12AT16-5, 12AT16-6, 12AT16-3, and 12AT16-1. Mr. Ames said the requirement for NB registration was missed in the ordering and specification process. Mr. Ames understands the process of getting these vessels NB registered after being placed in service and stated that Transfuels, LLC will be pursuing this option after obtaining the state special. It is an arduous process to register after manufacturing. The owner did testify they are intending to register all the vessels with the National Board, and in the future make sure all vessels are NB registered.

A motion to issue Washington State Special's for the 4 vessels at Plymouth, WA was approved unanimously .

- 2) The second request was for a vertical ASME Section VIII, Division 1 built 16,000 gallon LNG storage tank, this vessel also was not NB registered. After discussion with the department over the 4 tanks in Plymouth, Transfuels, Inc. acknowledged this vessel was also out of compliance and installed in their Sumner, WA location. This vessel has been in operation for several months. This tank also was made in the Peoples Republic of China by Shijiazhuang Enric Gas Equipment. They were built in 2012, to the 2010 Edition /2011 Addenda of the ASME Section VIII Division 1, Pressure Vessel Code. This tank was inspected by a State of Washington jurisdictional inspector and a non-compliance report was submitted on 8/21/14 for not having National Board registration as required per WAC 296-104-021.

A well-organized and complete design package was presented with a Manufacturers Data Report, Drawings/specifications, calculations, NDE reports and Photos of the vessel and nameplate. The manufacturer serial number is 12AT17-7.

A motion to issue Washington State Special for this vessel at Sumner, WA was unanimously approved.

Transfuel, LLC will also pursue post NB registration for this vessel with the help of their Authorized Inspection Agency.

The department will send an approval letter to Transfuel, LLC, and state inspectors will assign new state serial numbers followed by "WS".

10162-14WS, 10163-14WS, 10164-14WS, and 10165-14WS for Plymouth and 03167 -14WS for Sumner.

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Agenda Item 4.

WAC 296-104-100 Inspection - Request revision of adding an item (1)(c)

As previously discussed in the May 28, 2014 Boiler Board meeting the department is proposing a revision to WAC 296-104-100, which will eliminate the confusion on how internal and external inspections on power boilers are handled. As it now stands, this WAC states that both internal and external inspections will be done annually. However, it does not state which inspection is to be done first and what inspection the certificate is to be issued on.

In the past, inspectors for power boilers have missed the requirement for both an annual internal and external inspection. A certificate would be issued on an external or internal inspection and the second inspection would not be completed or documented in JO. This situation has led to many power boilers not being inspected both internally and externally annually. This revision would make the internal/external inspection requirements more specific, and it would be clearer to the owner that both internal and external inspections would have to be completed before the annual certificate is issued.

With this WAC revision, this requirement will be clear to both the inspector and owners. The department wants to add “item (1) (c), the required annual certificate of inspection will not be issued until both inspections listed in (1) (a) (external) and (b) (internal) above are completed and reported to the jurisdiction”.

The proposed paragraphs 1(b) thru 1(d) will read:

“(b) Internally and externally while not under pressure- Annually, except as noted in (d) in the following paragraph.

(c) The required annual “certificate of Inspection” will not be issued until both inspections listed in (a) and (b) above are completed and reported to the Jurisdiction.

*It was noted in the study session that there was an error in line (b). The reference to paragraph (d) was missing.

The department corrected the error, it now reads:

(b) Internally and externally while not under pressure- Annually, except as noted in (d) the following paragraph.

A motion was proposed to adopt the revisions in WAC 296-104-100 as amended above, and it was passed unanimously.

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Agenda Item 5.

WAC 296-104-200 Construction – Interpretation

The department brought up questions on jurisdictional authority and use of ASME B31.1 for BEP, boiler external piping. According to previous boiler board's interpretation, ASME B31.1 is not an adopted code, since the RCW's do not address piping in our scope. In figure ASME Section 1, PG 58.3 states, ASME B31.1 has technical responsibility. After discussion, the Board issued the following interpretation:

"It is the Board's interpretation that the Code Jurisdictional Limits of boiler external piping is defined in ASME BPVC, Section 1, Part PG-58.3 and the materials, design, fabrication, installation, and testing shall be in accordance with ASME B31.1, Power Piping."

Agenda Item 6.

WAC 296-104-010 Administration – New definition for CO2 System

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Agenda Item 7.

WAC 296-104-261 Installation – Adopt standards for CO2 Systems

Background: The department would like the board to adopt the new definition of a CO2 system and requirements for proper warning signage and installation of CO2 monitors. This process has been going on for the past 18 months. The department has brought forth a concern and explained the apparent risks. The purpose for adding a definition for a CO2 system to our WAC's is for the acceptance of NBIC Part (1) Supplement (3) which includes piping, tubing, valves and fittings in the system. This is a very new standard for the industry, the department wanted to be proactive.

Two meetings ago it went to the AG. AG's Pam Reuland and Angela Zurlini have since ruled that it is not in the scope of the boiler board per RCW 70.79.030. RCW 70.79.030 does not address the use and operation of pressure vessels. A revision to RCW 70.79.030 would be required before the board would be allowed to address this adoption.

The request will be on hold until further direction from L&I.

Agenda Item 8.

Department Notes:

Department is proposing making changes to the RCW's to resolve the 12 month grace period after adopting rules or codes.

Congratulations to Jeff Barnes who was appointed on the Boiler Board August 25, 2014 by Governor Inslee to replace Tim Barker. His term runs through August 22, 2017.

The board presented Tim Barker a framed letter from Governor Jay Inslee for his 8 years of service as board member representing boiler insurance companies licensed to do business in Washington.

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Tony Oda discussed his training at the Governors' board training. It is online training the board members must take. Covering RCW 40.56, RCW 42.30, RCW 40.14, open public records, open meetings, open record retention. Everything is open to public records, including smart phones and computers. Caution for response to department email.

Meeting adjourned at 10:38 a.m.