

## **MINUTES OF THE FOURTH BOILERS & PRESSURE VESSELS TECHNICAL COUNCIL MEETING OF 2014**

**DATE:** September 12, 2014

**TIME:** 9:00 a.m. to 2:50 p.m.

**LOCATION:** Holiday Inn, Edmonton South

**PRESENT:** Brian Lade, Chair  
Marvin Kossowan  
Brian Grantham  
Todd Loran  
John Valens  
Dr. Magdi Ghobrial  
David Miller  
Zeljko Gnjatic  
John Wolff  
Jim Weiss  
Grant Peuramaki  
Mike Clancy (late arrival)

Dr. Ken Lau, Administrator & Chief Inspector  
Mike Poehlmann, ABSA  
Djorjđe Srnic, ABSA  
Bob Roseberg, ABSA  
Allan Hantelmann, Alberta Municipal Affairs  
Harry Li, Alberta Municipal Affairs  
Erin Stroud, Safety Codes Council  
James Orr, Alberta Municipal Affairs (arrived at 2:00 p.m.)  
Karen Pottruff, Alberta Municipal Affairs

**GUESTS:** Chuck Withers, Assistant Executive Director, National Board of Boiler and Pressure Vessel Inspectors and Ken Baron, Manager of Certification and Accreditation, ASME (12:00 to 1:00 p.m.)

**REGRETS:** Terry Wiseman  
Darwin Leitch  
Izak Roux, Vice Chair

**RECORDER:** Brittany Smith

**2014 MEETINGS:** October 17 – special meeting  
~~November 21 – regular meeting~~  
November 28 – regular meeting

## **A. Call to Order**

The meeting was called to order by Chair Brian Lade at 9:08 a.m.

## **B. Introductions**

A round table introduction was held.

## **C. Adoption of Agenda**

The following item was changed on the agenda:

- F.1.03.14 – Allan Hantelmann to discuss this topic instead

**John Wolff / David Miller moved to adopt the agenda as amended; CARRIED**

## **D. Adoption of Minutes**

The December 13, 2013 meeting minutes were reviewed. It was explained that the original draft minutes were lost and that these minutes were pieced together, accounting for the lack of accreditations on motions therein and the delay for presentation for adoption.

**John Wolff / Marvin Kossowan moved to approve the minutes of December 13, 2013, as circulated; CARRIED**

The May 9, 2014 revised minutes were reviewed and the following corrections were made: Brian Grantham's name was spelled incorrectly (twice on page 2 and once on page 11).

[S.Orr/Lade]

**Jim Weiss / Brian Grantham moved to approve the minutes of May 9, 2014, as corrected; CARRIED**

Dr. Lau reported that Chuck Withers, Assistant Executive Director, National Board and Ken Baron, Manager of Certification and Accreditation, ASME were visiting Edmonton, and he discussed with the Chair who agreed to having them drop in later on in the meeting.

The Chair mentioned to the group that there would be a retirement party for Dr. Lau after the meeting at 3:30 p.m. at the Radisson Hotel.

## **E. Business Arising from the Minutes**

### **F.5.02.10 Clarification on the use of "Overpressure Protection by System Design" as provided for under the Regulation vs. Code provisions by the Administrator – update**

The Chair mentioned that James Orr had officially responded with the requested explanation, and had stated the position that overpressure protection for pressure equipment was a long existing legislative provision and accordingly, the recent guideline issued by the Administrator on overpressure protection by system design could not be considered as a retroactive legislative requirement. He has asked that a copy of the response from James Orr be included in the meeting record. The letter can be used by Council members and industry to relay the required information on overpressure protection

of pressure equipment in general, and overpressure protection by system design in particular, to their management and industry members. With respect to the question on retroactivity, the Technical Council has put a lot of time into this over the last few years, no more time is needed. [Paches]

It was brought up by Djordje Sronic that discussion among the users would be normal when guidance documents were issued. In the case of AB-525 on "Overpressure Protection Requirements for Pressure Vessels and Pressure Piping", the document achieved the original intent of the Sub Council task group.

These issues have been addressed and this item will be removed from the agenda. [Paches]

#### **F.4.01.11 Apprenticeship and Industry Training and B Pressure Welders - update**

It was mentioned that this agenda item would include update to all developments on implementation of changes in accordance with the amended Pressure Welders Regulation which would come into force on October 1, 2014.

##### **Grade "B" Pressure Welder (Handout #1; F.4.01.11)**

Bob Roseberg went through the syllabus for the Grade "B" Pressure Welder. The syllabus was updated to reflect TIG and E6010 root pass options; and provision allowing for final year apprentices to qualify for Grade B Pressure Welder Certificate examination. The last page of the handout reflects all changes made to the syllabus.

It was mentioned that the Working Group would want the syllabus to be adopted and ABSA was working with AIT and other Engineering Group to get the syllabus ready for the next intake for apprentice training.

**Marvin Kossowan / John Wolff made a motion to support the Grade "B" Pressure Welder Syllabus; CARRIED.**

##### **Welding Examiner & Welding Examiner in Training (Handout #2; F.4.01.11)**

The latest update to the Reference Syllabus was circulated with Welding Examiner in Training being added to the original Welding Examiner syllabus. There was a survey going around to see what other changes might have need to be made in the future. The syllabus also included updates reflecting the amended Pressure Welders Regulation and Code editions.

The Working Group recommended that this syllabus be adopted.

**John Valens / Marvin Kossowan made a motion to support the Welding Examiner & Welding Examiner in Training Syllabus; CARRIED.**

##### **Pressure Tack Welder (Handout #3; F.4.01.11)**

This is a brand new program being added. Because of the urgency of getting this program going, the plan was to adopt the syllabus in time for its implementation on October 1<sup>st</sup>. It still needs to be updated as time goes on; but is a workable document today.

The syllabus discussions had good representation within the Working Group. The Working Group still has to provide recommendations as to how the program would be implemented.

The program is similar to the “B” Pressure Welder certification program but specifically addressing welder certification for performing tack welding. It was explained that the Tack Welders will progress in sizes, processes & metallurgies as they are ready, similar to “B” Pressure welder progressions. Use of Tack Welders would have to be addressed in company’s quality system.

**Marvin Kossowan / Dr. Magdi Ghobrial made a motion to endorse the Pressure Tack Welder Syllabus; CARRIED.**

All of the Syllabi will be posted on the ABSA website for future reference.

Mike Poehlmann brought up that there is a gap in legislation as to specific details on what a Tack Welder can do. It was suggested that a priority for the working group would be define what welding a Tack Welder can do and draft an information bulletin in time for the effective date of the amendment. Possibly, the existing Information Bulletin IB13-013 Rev. 1 issued by the Administrator on Tack Welding can be revised to reflect the new Pressure Tack Welder certification. The Administrator is looking for input from the Working Group through the BPVSC regarding the information bulletin.

In the discussion on welding, Todd Loran raised concerns of owners/inspectors for pressure equipment built as manufacturers’ “stock”. It was suggested this would be a topic for new business for the next meeting. [Paches]

It was concluded by all that Pressure Tack Welders certification and thus, the syllabus for tack welders would only be applicable in Alberta.

#### **F.4.03.11 Municipal Affairs Legislation Process – SCA Review - update**

A handout (#4) on Safety Codes Act Consultation and associated matter was circulated. It was reported that the web based consultation was closed off on Monday, September 8, 2014. In July, Municipal Affairs and the Safety Codes Council held information sessions on Safety Codes Act Review in St. Albert, Calgary, Peace River and Lethbridge. At present, in unaccredited municipalities, Municipal Affairs provides services on permitting and permit-related inspection function through contracts with third-party agencies. It was proposed that such services would be going through the Safety Codes Council. The discussion also covered a proposal that the right to appeal the refusal of variances is to be included in the Safety Codes Act. SCC is hoping to have this ready to go by spring of 2015.

Karen Pottruff gave a status update on the amendment Regulations and their release by Alberta Queen’s Printer:

- Pressure Equipment Exemption Order (AR 56/2006 with amendments up to and including AR 158/2014)

- Pressure Equipment Safety Regulation (AR 49/2006 with amendments up to and including AR 158/2014)

- Pressure Welders (AR 169/2002 with amendments up to and including AR 103/2014) was released with a change of expiry date but the amendments including new programs will be put online for the October 1, 2014 when the new program becomes effective

- Power Engineers Regulation (AR8/2003 with amendments up to and including AR 84/2014) has been released with the tables updated

### **F.1.03.13 Expiry of Variance for Gas Fired Process Equipment - update**

With respect to the Alberta Municipal Affairs Gas Safety Variance for Gas Fired Process Equipment, the Chair mentioned that he tried to gather up all relevant papers to recheck on what questions might still be open, but he didn't manage to get it done. He has made a note to ask for clarification from Alberta Municipal Affairs on the expiry of this Variance.

### **F.2.05.13 Continuing Education for SCOs**

It was reported that a consultation of all the SCOs and their employers (3500 in total) was sent out over the summer and closed the end of August. Of this there was a 20% response rate. The initial finds were favorable for the program with a 60/40 split. Rural and urban areas had concern with most of it coming from the fire discipline. The majority felt that this was manageable/doable. Dr. Lau noted that this matter was previously reviewed by the Technical Council and it was concluded that no additional continuing education would need to be added for SCOs in the boiler and pressure vessel discipline. This is because SCO's in this discipline already have continuing education requirements as a part of their professional association memberships and industry certifications and the continuing education requirements already being managed by ABSA as their employer, and that these requirements more than satisfy the proposed requirements.

### **F.6.02.14 Nominations/Appointment of an additional Vice Chair**

It was clarified that for the purposes of succession planning, it was hoped that someone would fill this additional Vice Chair position within their first term.

The floor was opened for nominations. David Miller will discuss with his employer the possibility of filling this position.

### **F.1.03.14 Heritage Boilers Association of Alberta**

Jim Weiss reported that there have been 3 training courses offered so far this year with 52 graduates in total. Of the 52, 4 were from Saskatchewan and 5 from British Columbia (2 from BCSA). There will be one more course held on September 20 & 21 with 15-20 students currently enrolled.

There are 153 identified traction engine units listed in the Association's database; with possibly half of them having an original rating over 250 kW. However, it was not known how many of these engines were actually in operating condition. There were approximately 30 traction engines with valid certificate of inspection permits for operation in Alberta according to ABSA's database.

A meeting will be held within the next 4 weeks.

The question was raised as to why the 250 kW maximum rating was declared in the legislation update. This is the steam traction engine power capacity that a Steam Traction Operator can take charge of. There is no scientific reason known among those present at the meeting for where the rating came from, or whether it truly represented a step change in equipment design or hazard level.

Jim Weiss mentioned that the Power Engineer Working Group would be addressing this and he would be getting an updated list of active operating traction engines sent to the Working Group.

**F.2.03.14 Summary of Letter Ballot 1 – 14 - Pressure Equipment Exemption Order Regulation (*Motion needed to accept*)**

The letter ballot was unanimous. Only 3 votes were missed and it was well over quorum.

**David Miller / John Wolff made a motion to accept the results; CARRIED.**

**F. New Business**

**F.1.01.14 ABSA Code Update Seminar  
Edmonton – October 9  
Calgary – October 16**

The Vice Chair sent an email to the Chair suggesting that a discussion be held to determine if members of the sub council should be allowed to participate in the updates for free. It was noted that ABSA currently provides these on a cost-recovery basis. It was mentioned that the Safety Codes Council will always offer support for the continuing education of members on the sub councils, typically when employer support was not available. There is a pool of money available for Council members for professional development. Contact Tyler Wightman or Erin Stroud at SCC for more information.

It was also noted that the Vice Chair approached the Safety Codes Council on supporting member participation in the annual IPEIA conferences. This could also be considered in the context of continuing education. As it was noted that some IPEIA participants had a very limited understanding of the SCC and the BPVTC, the council will consider having a presence at the upcoming IPEIA meeting.

**F.2.04.14 Proposed Error Correction/Amendment for Pressure Welders Regulation**

**The concern was raised that some AWOC members were not satisfied with the last amendment, with the candidates for tack welder's being limited to journeymen in associated trades.** It was questioned as to how much training on welding apprentices of other trades are getting. A document/ assessment from the Working Group will be prepared for a future meeting addressing this. [Roux]

It was mentioned that amendments to regulations could be made at any point; not that once an amendment to a regulation is made, the regulation is locked down for five years.

This will be taken back to the Working Group and will be moved to business arising. [Paches]

**G. Standing Agenda Items**

(a) Pressure Welders Working Group

Marvin Kossowan reported that moving forward, the group will work to define scope of work that Tack Welders will be able to perform as discussed in topic F.4.01.11. The errors found in the Terms of Reference have been updated. It was questioned as to who had the authority to change the Terms of Reference for the Working Group and it was determined that the Chair of the Group would have the ability to change them as needed but subject to support and endorsement of the sub council.

#### (b) Power Engineers Working Group

David Miller reported that there was a meeting last Friday. The Terms of Reference and Key Deliverables were addressed. John Siggers will attend the SOPEEC meeting being held in November.

#### (c) PESR – Codes & Standards, Design Survey/Registration and New Equipment Inspection Working Group

Brian Lade reported that a meeting has not been held as of yet and that the task force for Division 2 would be working with the Administrator and Chief Inspector with regard to the implementation on the use of ASME Section VIII Division 2 and other matters related to the latest Regulation amendment.

#### (d) PESR – In-Service Inspections, Repairs & Alterations and PEIM Working Group

- John Wolff reported that a meeting has not been held yet.

### H. Correspondence

The detailed instructions for the web portal were reviewed. Membership as of the day that the email for the web portal was sent out was current. For those that try to open Excel or Word Documents, the web portal may again prompt for authentication or login. The reason for this is that SharePoint is asking you to confirm who you are as an additional security measure. All Working Groups have been uploaded. Contact Ann Paches with any Working Group members that you would like to have access to the portal (they can have limits on access, or read-only access, or full access). The first time you log in to the web portal, you will need to change your password and logout, and then log back in. The fastest way to download documents to the web portal is to download them all as one document, and then as individual documents if needed.

### I. ABSA/Administrator Report

#### ***CSA Committee Report***

Mike Poehlmann reported that Alberta will host the 2015 ACI, CSA B51 and CSA B52 annual meetings on August 17-20, 2015 at the Banff Centre in Banff. A survey was sent out to some 70 members of to see where they would like to have the meeting held and the result was 66% Banff, 22% Calgary, 11% Edmonton. The last time this annual meeting was held in Alberta was 2002 in Edmonton.

Dr. Lau noted that there was some concern with a request from the CSA B51 Section 7 members that CSA publish an information bulletin/ alert regarding potential issues from excessive PWHT of some materials. He identified that CSA's leaders were reluctant to take such action, and that discussions continued. [added paragraph by BAL]

The next edition of the B51/B52 Errata will be published in 2018.

#### ***ASME Boilers & Pressure Vessel Code Proposals***

Dr. Lau reported that ASME is looking into the publication of a new ASME Section XIII Code covering pressure relief devices. The proposal is to extract the technical requirements for pressure relief devices from each of the ASME "construction" Code

Sections and replace them with references to this new Section. There is a proposal to incorporate provisions for traditional Section VIII, Div 1 pressure vessel design to Section VIII Div 2 as “Class 1” pressure vessels. If this change does not make it into the 2015 Code Book, ASME may be issuing this in 2016 as an addendum or as a new edition of Section VIII Division 2. A lot of information is being moved from Div 1 to Div 2 wholesale. This may be of concerns to many users of the Code, because it will mean not only that they have to purchase additional Code books, but also be familiar and knowledgeable of Section VIII Division 2 provisions.

It was reported that “ultra” super-critical boilers would be the norm for design and construction of new power boilers. There are currently two in Alberta. One Council member noted that there are safety and reliability concerns being identified with some common materials of construction in large boilers (P91, P92, etc.); and that the document provided by EPRI to ensure proper specification of such materials for high temperature and high pressure operation was approx.140 pages long, and made such construction very challenging..

The 2015 ballot for the Z662 will be closing on October 8, 2015. Mike Poehlmann has replaced Dr. Lau as a member of CSA Z662 Technical Committee, and he will also be replacing Dr. Lau as the liaison member between with Z662 and ACI and CSA/B51/B52.

### **ABSA Report**

The following was reported:

- The current accident rate within the industry is low. There have been 5 reports since June and none of them have injuries.
- The organization structure of ABSA will be changing:
  - Mike Poehlmann, previously Technical Director of ABSA, will take on the role of Chief Inspector and all the Technical Managers will continue to be reporting to him
  - Djordje Srnic will be moving in to the position of Manager, Codes & Standards and Assistant Chief Inspector, supporting and assisting Mike.
  - A Technical Advisor Group has been formed
- ABSA and Alberta Municipal Affairs are working to further clarify the Administrator/Chief Inspectors roles through a revised Administration Agreement.
- The current workload in Design Survey is extremely high. ABSA is looking to make their workload a little easier and will be looking to hire a few more people in the future.

### **J. Technical Coordinating Committee Update**

October 6, 2014 is the next Technical Coordinating Committee meeting.

### **K. Next Meeting**

The following meetings were reconfirmed:

- October 17 – Special meeting
- November 21 meeting changed to November 28 – Regular session

There was a brief round table discussion held.

**Mike Clancy / John Wolff moved that the meeting be adjourned; CARRIED**

The meeting was adjourned at 2:50 p.m.

Dr. Lau who was retiring from full time employment on September 15, 2014, thanked everyone at the table for all of their help over the years.

The Chair thanked Dr. Lau for everything that he has done for Safety in Alberta, and for his patient efforts at educating our members.

### **--- ACTION ITEMS ---**

#### **D. Adoption of Minutes**

The May 9, 2014 revised minutes were reviewed and the following corrections were made:  
Brian Grantham's name was spelled incorrectly twice on page 2 and once on page 11.

[S.Orr/Lade]

#### **E. Business Arising from the Minutes**

##### **F.5.02.10 Clarification on the use of "Overpressure Protection by System Design" as provided for under the Regulation vs. Code provisions by the Administrator – update**

A copy of the response from James Orr be included in the meeting record. [Paches]

These issues have been addressed and this item will be removed from the agenda. [Paches]

##### **F.4.01.11 Apprenticeship and Industry Training and B Pressure Welders - update**

Stock equipment owners Inspectors was suggested as a topic for new business for the next meeting. [Paches]

##### **F.2.04.14 Proposed Error Correction/Amendment for Pressure Welders Regulation**

This will be taken back to the Working Group and will be moved to business arising. [Paches]

#### **K. Next Meeting**

November 21 meeting to be changed to November 28 [Paches]

**--- M O T I O N S ---**

**C. Adoption of Agenda**

**John Wolff / Dale Miller moved to adopt the agenda as amended; CARRIED**

**D. Adoption of Minutes**

**John Wolff / Marvin Kossowan moved to approve the minutes of December 13, 2013, as circulated; CARRIED**

**Jim Weiss / Brian Grantham moved to approve the minutes of May 9, 2014, as corrected; CARRIED**

**E. Business Arising from the Minutes**

**F.4.01.11 Apprenticeship and Industry Training and B Pressure Welders - update**

**Grade "B" Pressure Welder**

**Marvin Kossowan / John Wolff made a motion to support the Grade "B" Pressure Welder Syllabus; CARRIED.**

**Welding Examiner & Welding Examiner in Training**

**John Valens / Marvin Kossowan made a motion to support the Welding Examiner & Welding Examiner in Training Syllabus; CARRIED.**

**Pressure Tack Welder**

**Marvin Kossowan / Dr. Magdi Ghobrial made a motion to endorse the Pressure Tack Welder Syllabus; CARRIED.**

**F.2.03.14 Summary of Letter Ballot 1 – 14 - Pressure Equipment Exemption Order Regulation (*Motion needed to accept*)**

**David Miller / John Wolff made a motion to accept the results; CARRIED.**

**K. Next Meeting**

**Mike Clancy / John Wolff moved that the meeting be adjourned; CARRIED**