



**MINUTES OF THE  
SECOND PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2022**

**DATE:** March 17, 2022

**TIME:** 9:02 a.m. to 11:38 a.m.

**LOCATION:** Videoconference

**PRESENT:** **Sub-Council Members**  
Henry Hau, Chair  
Nate Bartley  
Justin Macneil  
Danielle Woroniuk  
Warren Kmicik  
Diederik Godin (until 10:30 a.m.)  
Geoff Kutz  
Robert James  
Billy Lee, Vice Chair  
Tony McWhannel  
Bert Boulet  
Nyssa Moore  
Jacques St-Onge

**Safety Codes Council**  
Allison Karch, Kathryn Derkach

**Alberta Municipal Affairs**  
Jon Elliot

**ABSA**  
Djordje Srnic, Robin Antoniuk

**REGRETS:** Greg Gaudet, Jim Rice

**GUESTS:** Matthew Yarmuch (AWOC)

**RECORDER:** Kathryn Derkach

**2022 MEETINGS:** June 9, September 8, November 3

## 1. Meeting Opening

The Chair called the meeting to order at 9:02 a.m. A round table introduction was held and a safety moment was provided.

### 1.1 Agenda Adoption

It was noted that items under 2.2 are misnumbered and should read 2.2.1, 2.2.2, and 2.2.3.

**Tony McWhannel / Billy Lee moved that the agenda be adopted, as amended; CARRIED**

### 1.2 Adoption of the January 6, 2022 Minutes

**Billy Lee / Jacques St. Onge moved to adopt the minutes of the January 6, 2022 meeting, as circulated; CARRIED**

## 2. Matters for Decision

### 2.1. Feedback to ABSA on AB Documents

Documents were provided to the working groups and sub-council members prior to the meeting. All comments were compiled into the final documents that were posted on the portal.

#### 2.1.1. AB-515

**Nyssa Moore / Billy Lee moved to provided feedback to ABSA as captured in the completed AB-299 document on AB-515; CARRIED**

#### 2.1.2. AB-518

**Nyssa Moore / Geoff Kutz moved to provided feedback to ABSA as captured in the completed AB-299 document on AB-518; CARRIED**

#### 2.1.3. AB-523

**Nyssa Moore / Billy Lee moved to provided feedback to ABSA as captured in the completed AB-299 document on AB-523; CARRIED**

### 2.2. Closed Session

**Geoff Kutz / Jacques St. Onge moved to go into closed session; CARRIED**

**Diederick Godin / Robert James moved to come out of closed session; CARRIED**

#### 2.2.1. Vice Chair Election

The Chair called for nominations. Tony McWhannel nominated Nyssa Moore as Vice Chair of the PESC and Nyssa Moore accepted the nomination. Two further calls were made with no further nominations being brought forward. **Nyssa Moore was appointed Vice Chair of the PESC by acclamation.**

#### 2.2.2. Reappointment of Billy Lee to represent the Pressure Piping Industry

**Geoff Kutz / Justin Macneil recommend to the Board reappointment of Billy Lee to the Pressure Equipment Sub-Council to represent the Pressure Piping Industry segment for a term ending January 31, 2025, effective immediately; CARRIED**

**2.2.3. Appointment of Elaine Wasylenchuk, Shaun Rayner, or Tony Russell to represent the Petrochemical Industry**

**Billy Lee / Robert James recommend to the Board appointment of Elaine Wasylenchuk to the Pressure Equipment Sub-Council to represent the Petrochemical Industry segment for a term ending January 31, 2025, effective immediately; CARRIED**

**3. Review Matters Arising/Action List**

	<b>Item</b>	<b>Action</b>	<b>Date Initiated</b>	<b>Responsible</b>	<b>Status/Update</b>
1.	PESC Strategic Planning Session	Members are asked to review the <a href="#">Safety Codes Council strategic plan</a> and consider how the sub-council can be strategically aligned with this document.  Members are also asked to reach out to their nominating organizations and working group members for input.	Nov 4/21	All Members	The planning session to discuss issues the sub-council should focus on and direction the industry is going is anticipated for the June 9 meeting.

**3.1 PESC Strategic Planning Session**

The following was highlighted for future discussions:

- There is currently a shortage of people in the industry. As people retire or leave the industry, it will take time for people to become trained and qualified.
  - It was noted that the Alberta Government is devoting \$170 million in funding to add over 7,000 seats at post secondary institutions. Priority program areas include mechanical engineering, industrial production technologies, physical sciences, civil engineering, and other technology areas.
- ASME Section VIII includes a lot of implied information that the designer must have good knowledge of. However, there may be a lack of education in this area.
- They system should look to be more risk-based and have objective-based approaches in standards that require engineer involvement.
- Nuclear power is coming, are we ready from a regulatory standpoint? Is industry and ABSA ready? If someone wants to bring nuclear power to Alberta and install a reactor, what is the pressure equipment framework? If someone is manufacturing pressure equipment in Alberta that will be installed in another jurisdiction, how do we support the manufacturer in that work?
- Possible harmonization across Canada may be increasingly important with free trade and labour mobility agreements.
- Do we have the capacity for free trade with overseas organizations? Do we have the right support, training, knowledge and tools to do so?

**4. Matters for Discussion**

## 4.1. Working Group Reports

### 4.1.1. Power Engineers

#### 4.1.1.1. Proposed PER Exemption and New Definitions for Unfired Boilers

The working group continues to look at the definition of boiler in the Pressure Equipment Safety Regulation and the applicability of the Power Engineers Regulation to equipment like process heat exchangers that fall under the definition of boiler but are technically distinct from traditional boilers. The working group posted a document in the portal showing a potential proposal involving an exemption for this type of equipment and corresponding new definitions for unfired boilers and Pressure Equipment Integrity Management Systems.

The following was discussed:

- Many different types of boilers exist in industry and were discussed by the working group.
- This is meant to be a simple definition of an unfired boiler, though it's recognized that there may be equipment that could be included in the possible exemption but doesn't fit neatly under this definition.
- The term 'products of combustion' in the possible definition of unfired boiler was discussed. There was concern over expanding language without putting a clear framework in place.
- It was noted that ASME is focusing on electric boilers and ABSA will monitor those discussions.

The working group chair will take these comments back for further discussion. If anyone has further comments and is not on the working group, please reach out to Tony McWhannel directly. [All Members]

### 4.1.2. Pressure Welders

The following was discussed:

- Discussions continue on Proposal Seven from the recommendations to Municipal Affairs and the request for feedback.
- Reviewed the AB-500 documents as discussed under 2.1 on today's agenda.

### 4.1.3. PESR Codes & Standards

The working group met the week prior to review ASME Sections I and IV. Discussion notes and recommendations from the working group were posted in the Portal.

**Billy Lee / Justin Macneil moved that the Pressure Equipment Sub-Council supports automatic adoption of the 2021 edition of ASME Section I as issued; CARRIED**

**Billy Lee / Nyssa Moore moved that the Pressure Equipment Sub-Council supports automatic adoption of the 2021 edition of ASME Section IV as issued; CARRIED**

**Billy Lee / Jacques St. Onge moved that the Pressure Equipment Sub-Council recommends that ABSA review and update IB17-012 "use of 2017 Edition of ASME BPV**

**Code, Section VIII, Division 2” to reflect current code rules and industry practices; CARRIED**

**Billy Lee / Justin Macneil moved that the Pressure Equipment Sub-Council recommends that ABSA review and update IB14-004 – Interpretation “Use of ASME Code Case 2695 in Alberta” to reflect current code rules and industry practices; CARRIED**

**Billy Lee / Justin Macneil moved that the Pressure Equipment Sub-Council recommends that IB14-004 - Interpretation - "Use of ASME Code Case 2695 in Alberta" maintain the requirement that when ASME VIII, Div. 1 is performed, that this be disclosed to the owner and what rules have been employed; CARRIED**

#### **4.1.4. PESR In-Service Equipment**

The working group reviewed and added comments to the AB500 document discussed under item 2.1.

#### **4.2. AMA Report**

The Director, Mechanical Codes reported:

- A new technical advisor has been hired, Nick Monea, who will be at the next PESC meeting.
- The Pressure Welders Regulation will be renewed. Technical feedback has been received from the PESC, but given the upcoming expiry date, there hasn't been time to fully review the feedback and consider possible amendments to the regulation. One major feedback item was to better define continuous employment, but there is already a document that speaks to this so it was felt that this isn't needed to be included in the regulation at this time.
- The Reconciliation Agreement for the Canadian Registration Number for Pressure Equipment (CRN Agreement) is still under review. If Alberta signs on with this agreement, the province will have to waive the right to review applications. However, many other jurisdictions are not able to define their review process which is something the Alberta government would like to know before signing.

#### **4.3. ABSA/Administrator Report**

The Assistant Chief Inspector at ABSA reported:

- Summary of Unsafe condition, accident and fire reports
  - Five conditions, accident and fire reports were entered since the last update. No injuries were report
  - Brief descriptions are available on the [ABSA website](#).
- Information Bulletins
  - IB22-001 Responsibility for NDE During Pressure Vessel Fabrication
- New or Revised AB-500 Documents
  - No new or revised AB-500 Documents since the last update.
- Codes and Standards
  - ASME
    - The ASME Boiler Code Week meetings were held virtually from February 6<sup>th</sup> to February 11<sup>th</sup>, 2022. Highlights of the February meetings are as follows:

- Technical Oversight Management Committee (TOMC)
  - It was reported that all ASME Boiler Code Meetings will be held virtually in August, and the May and November meetings will be held in-person.
  - ASME’s Technical Oversight Management Committee and the ASME Section VIII Standards Committee are working on permanent requirements for the remote inspection of boilers and pressure vessels during construction.
- Boiler and Pressure Vessel (BPV) Section II
  - ASME published two long errata for the 2021 edition of Section II, Part D (e.g. corrections to allowable stresses, corrections of data in many tables, introduction of materials, and return of omitted material lines).
- Boiler and Pressure Vessel (BPV) Section VIII
  - The National Board published article “*What Team Leaders and Inspectors Need to Know About Engineering Requirements in the ASME Section VIII, Division 1, 2021 Edition*” in the 2022 Winter Edition of the NB Bulletin. The author is Steve Roberts, P. Eng. – Chair of Section VIII Standards Committee. The article explains the requirements for Certifying Engineers provided in Mandatory Appendix 47. The link to the article is <https://www.nationalboard.org/SiteDocuments/Bulletins/WI2022/WI2022.html>.
  - The ASME BPV VIII Standards Committee is working on restructuring and complete rewrite of Section VIII, Division 1 with the intention to publish it in 2025. ASME conducted a survey about the Section VIII reshape and the input from the users of the code book will be considered in the reshape project.
  - ASME started balloting rules for the design and construction of fired heater treater vessels. This type of pressure equipment is commonly used in Alberta.
  - The Task Group (TG) on Scope had two special meetings in January and March and reviewed the concerns from the refrigeration industry. The Sub-Group General Requirements scheduled a special meeting for April 2022 to review TG findings.
- CSA B51
  - The next CSA B51 Technical Committee (TC) meeting is scheduled for April 11th, 2022. The meeting will be held virtually.

- Ten ballots were conducted in 2022. Eight of these ballots were related to the Modernization project.
  - CSA B52
    - The next CSA B52 Technical Committee (TC) meeting will be held virtually in the first half of 2022.
      - One ballot was conducted in 2022.
  - CSA Z662
    - The public review of the final draft of the Z662, 2023 Edition was completed on March 5th, 2022.
      - The next CSA Z662 Technical Committee (TC) meeting is scheduled for June 16, 17 and 18, 2022. The meeting will be held virtually. The plan is to address the public review comments and vote on final version of the Z662 that will be published in 2023.

#### 4.4. Council Updates

A written report was included in the portal and updates were provided on:

- The Council received a proposed amendment to the Pressure Welders Regulation for review.
  - The only amendment is to change the expiry date to May 31, 2027.
  - The Assistant Deputy Minister requested that the Council shorten the 90-day review period.
  - Given there are no substantive changes to the regulation being proposed, Council leadership has decided to shorten the review period.
- The Council office reopened on March 14<sup>th</sup>.
  - Staff may continue to work from home on some days.
  - All meetings that have been identified as tentatively in-person remain so.
  - Further information about safety measures and procedures will be communicated when available.
- Council Member Training
  - New Member Orientation: April 28, 9:00 a.m. – 12:30 p.m.
  - Contact [gerry.letendre@safetycodes.ab.ca](mailto:gerry.letendre@safetycodes.ab.ca) to register.
  - All member training offerings will be held in the fall as well.
- The Council AGM will be held in the spring to better align with the business activities at the meeting (such as accepting the Business Plan and Annual Report).
  - A volunteer appreciation event is being planned for the spring as well and more information will be sent as soon as available.
  - The Council is not planning a 2022 Conference in Banff.
- Watch past webinars, including Variances, on the [Council website](#).
- The next PESC meeting has been rescheduled to June 9 from May because of ASME code meetings.

## 5. Meeting Finalization

### 5.1. Round Table

- The Alberta Institute of Power Engineers (AIPE) is hosting a virtual event featuring Mike Poehlmann speaking about the principles and requirements of pressure equipment integrity management. The details will be sent out via email. [Hau]

### **5.2. Next Meeting**

The next meeting was reconfirmed for June 9, 2022 tentatively at the Council office at 9:00 a.m.

### **5.3. Meeting Adjournment**

**Robert James / Nyssa Moore moved to adjourn the meeting; CARRIED**

The meeting was adjourned at 11:38 a.m.



– NEW ACTION ITEMS –

**4.1.1.1. Proposed PER Exemption and New Definitions for Unfired Boilers**

If anyone has further comments and is not on the working group, please reach out to Tony directly. [All Members]

**5.1. Round Table**

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**– MOTIONS –**

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### **5.3. Meeting Adjournment**

**Robert James / Nyssa Moore moved to adjourn the meeting; CARRIED**

**– WORKING GROUP MEMBER LISTS –**

<b>WORKING GROUP</b>	<b>WORKING GROUP MEMBERS (<u>Chair</u>)</b>
Power Engineers	<u>Tony McWhannel</u> , Bert Boulet, Henry Hau, Danielle Woroniuk, Jim Rice, Mike Lyne, Todd Loran, John Wolff, David Miller, Warren Kmicik ABSA: Mike Poehlmann, John Siggers
Pressure Welders	<u>Billy Lee</u> , Geoff Kutz, Nyssa Moore, Jacques St-Onge, Robert James, Nate Bartley, Henry Hau, Justin MacNeil, Rick Walmsley, Matt Yarmuch ABSA: Mike Prefumo, Jason Reinhart
PESR Codes and Standards, Design Registration and Shop Inspections	<u>Greg Gaudet</u> , Henry Hau, Billy Lee, Tony McWhannel, David Miller, Eric Madsen, Jim B. Seale, Neil McKay, Shawn Morrison, Trevor Seipp, Diederick Godin, Kelly Bell ABSA: Djordje Sronic
PESR In-Service Inspections, Repairs & Alterations, and PEIM Program	<u>Geoff Kutz</u> , Greg Gaudet, Henry Hau, Todd Loran, Nyssa Moore, Jacques St-Onge, John Wolff, Nate Bartley, Diederick Godin (Vice Chair), Jim Rice ABSA: Mike Poehlmann, Mike Prefumo, John Siggers