



Safety Codes Council

MINUTES OF THE THIRD PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2023

DATE: May 4th, 2023

TIME: 9:04 a.m. to 1:34 p.m.

LOCATION: Safety Codes Council Office

PRESENT: **Sub-Council Members**
Henry Hau, Chair
Nate Bartley
Bert Boulet
Greg Gaudet
Diederick Godin
Warren Kmicik
Dean Kovacs
Billy Lee, Vice Chair
Tony McWhannel
Nyssa Moore, Vice Chair
Jim Rice
Jacques St-Onge
Elaine Wasylenchuk

Safety Codes Council
Allison Karch, Jennifer Johnson

Alberta Municipal Affairs
Nick Monea

ABSA
Robin Antoniuk, Mike Prefumo, Djordje Srnicek

REGRETS: Robert James, Danielle Woroniuk, Justin Macneil

GUESTS: Bob Emmott (for item 4.1)

RECORDER: Jennifer Johnson

2023 MEETINGS: September 26, November 23

1. Meeting Opening

The Chair called the meeting to order at 9:04 a.m. A round table introduction was held and videoconference functionality was reviewed, and members were reminded that their primary duty is to act in the interest of safety in the built environment for the benefit of all Albertans.

1.1 Agenda Adoption

Tony McWhannel/Jacques St. Onge moved that the agenda be adopted, as circulated; CARRIED

1.2 Adoption of the March 16, 2023 Minutes

Jim Rice/Bert Boulet moved to adopt the minutes of the March 16 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Nate Bartley/Jim Rice moved to enter into closed session; CARRIED

Nate Bartley/Jacques St. Onge moved to exit closed session; CARRIED

2.1.1. Reappointment of Jim Rice to represent Petroleum Industry

Nate Bartley/Tony McWhannel moved to recommend to the Board reappointment of Jim Rice to the Pressure Equipment Sub-Council to represent Petroleum Industry for a term ending January 31, 2026, effective immediately; CARRIED

3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	PESC Work Planning	The Chair requested that members review the list of potential discussion topics for the addition of any new items, discussion of urgency for each item, assessing whether an item falls within PESC's scope, and identify possible next steps.		All	Members and ABSA and AMA representatives are asked to identify priority items they would like to discuss in detail at a future meeting, including any available background information and what action the sub-council could take on this item.
2.	Presentation on NDT	Nathan Bartley will give a presentation on NDT at the September meeting.	Mar. 16/23	Bartley	Presentation will provide information to members to help guide decision on whether changes are needed to the membership matrix.

3.	Use of words “engineered” and “certified” in AB documents	It was noted that there could be unintended consequences of the use of the words “engineered” and “certified”; the sub-council will add discussion of these terms as a future agenda item.	Mar. 16/23	Council Admin/ Kmicik	Allison and Warren will discuss offline for a potential future agenda item. Closed; remove from action list
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4. Matters for Discussion

4.1. Nuclear Opportunities in Alberta

Bob Emmott gave an in-depth presentation on nuclear energy, including an overview of types of nuclear reactors, the Canadian and global nuclear industry landscape, and cost comparisons.

Presentation and discussion highlights included:

- Older reactor designs are generally not considered viable today; the industry is moving towards small modular reactors (SMRs). SMRs require less construction at the reactor site and rely more on factory fabrication, which lowers costs and construction-related risk.
- The licensing process for a nuclear reactor is lengthy so there is a need to think ahead.
- Canada has committed to achieving net zero emissions by 2050 and nuclear energy could provide a pathway to decarbonization while accommodating increasing energy demands.
- Canada has moved away from being a nuclear builder and is now mostly maintaining or retrofitting existing reactors, which are predominantly CANDU reactors.
- There are only a handful of Canadian companies who are currently certified to manufacture nuclear components/equipment.
- Nuclear power is the second largest source of low-carbon energy used today, following hydropower.
- Alberta has strong industrial capabilities, labour capacity that is familiar with manufacturing and construction, a great track record of delivering mega-projects, and stable and innovative regulatory authorities, which position Alberta to succeed in the nuclear industry.

4.2. Industry Concerns/Impacts regarding Code Change to ASME BPVC Section VIII Division 1 – move of design rules for UHX and Appendix 26 from Div.1 to Div.2

The following was discussed:

- The Administrator cannot share the draft document until after anticipated publication on July 1st but these changes are the first of many, as the goal is to reduce the amount of information in Section 8 Div. 1
- Implementation of the changes could be complicated as some things will move to Div. 2 and others will stay in Div. 1; users will need to be careful and be aware of changes in order to avoid mistakes.
- There was discussion around potential opportunities for ASME or IPEIA to inform members of changes.

4.3. Working Group Reports

4.3.1. Power Engineers

The following items were brought forward for consideration:

- 1) Issuance of 4th class certification based on heating plant experience
 - The working group discussed this at length and found the request very reasonable.
 - Many members didn't realize there was such a distinction between boilers and heating plants.
 - The working group supports the proposal.
- 2) Hours of work to be used towards certification
 - It was noted that 6 months isn't always appropriate as the number of hours is sometimes reached earlier due to shift schedules.
 - Requirement of only 960 hours *or* 6 months would eliminate administrative burden of refusing certification even though hours have been met.

Tony McWhannel/Jacques St-Onge moved to recommend that the Administrator consider issuing a variance that allows issuance of a 4th Class Power Engineer certificate if the candidate has 18 months experience in a heating plant greater than 750 kW; CARRIED.

Tony McWhannel/Jacque St-Onge moved to recommend that the Administrator consider recognizing 960 hours as the required experience for 4th Class Power Engineer certification; CARRIED.

4.3.2. Pressure Welders

No update available.

4.3.3. PESR Codes & Standards

The working group met last week to create a plan to review the many codes and standards coming out this year:

- The group will meet at the end of May to begin reviewing ASME 31.1, 31.5 and 31.9, then again in June to review 31.3
- In the fall they will work on Sections 1 and 4, Section 8 Div 1 and 2, then Sections 13, 5 and 9
- There is a series of 6 meetings planned starting at the end of May.
- In 2024 they will review Z66.2, B51 and B52

4.3.4. PESR In-Service Equipment

The group will hold a meeting soon to decide on Chair and Vice Chair roles.

4.3.5. CSA N285

The following was discussed:

- The working group went through the comparison document and did not identify any major red flags based on a low-level comparison.
- Group would like to gather input from subject matter experts as the working group included individuals with technical expertise in nuclear reactor but they were unable to attend meetings.
- They have reached out to the Technical Standards Safety Authority in Ontario for additional information and are waiting to hear back.

4.3.6. ASME B31.12

The following was discussed:

- The group has met twice and will be meeting again on May 18th
- Will be able to determine a timeline once they have had a chance to review the code.

4.4. AMA Report

No update available at this time.

4.4. ABSA/Administrator Report

The Administrator reported on the following:

Summary of Unsafe condition, accident and fire reports

Brief descriptions are available <https://www.absa.ca/unsafe-condition-accident-fire-reporting/summary-of-unsafe-condition-accident-fire-reports/>

Information Bulletins

IB23-006	Operating Experience for Fired Process Heater Operator's Certificate of Competency Candidates https://www.absa.ca/media/2434/ib23-006.pdf
IB23-007	Power Engineers Regulation Equivalent Certificates https://www.absa.ca/media/2435/ib23-007.pdf
IB23-008	Practical Examination for Renewal of Special Steam-powered Traction Engine Operators Certificate of Competency https://www.absa.ca/media/2436/ib23-008.pdf
IB23-009	Heating Plant Supervision https://www.absa.ca/media/2433/ib23-009.pdf
IB23-010	Combined Experience for Power Engineer Certification https://www.absa.ca/media/2438/ib23-010.pdf
IB23-011	Power Engineer Qualifying Experience https://www.absa.ca/media/2439/ib23-011.pdf
IB23-012	Power Engineer Foreign Operating Experience https://www.absa.ca/media/2440/ib23-012.pdf
IB23-013	Boiler Rating https://www.absa.ca/media/2437/ib23-013.pdf
IB23-014	Display of Certificates of Competency https://www.absa.ca/media/2441/IB23-014.pdf
IB23-015	Grade C Pressure Welder Certification https://www.absa.ca/media/2442/IB23-015.pdf
IB23-016	Requirements for Pneumatic Test Procedures https://www.absa.ca/media/2443/ib23-016.pdf
IB23-017	Expiry of Examination Papers Passed and Experience

New or Revised AB-500 Documents

No new or revised AB-500 documents for period 2023-03-16 to 2023-05-04

Codes and Standards

ASME

The next ASME BPV Code week will be held in Las Vegas, NV from May 14th to 19th, 2023.

CSA B51

The CSA B51 Technical Committee (TC) will meet on May 9th, 2023. This will be virtual meeting. The main focus of the meeting is to approve CSA B51 draft for public review. It is expected that the 60-days public review will start in the third week of May.

The next edition of CSA B51 is scheduled for first quarter of 2024.

CSA B52

The CSA B52 Technical Committee (TC) did not meet in this reporting period but Technical Subcommittees had several meetings in order to:

- prepare proposals for the code change that will be sent for B52 TC ballots; or
- address comments and negatives from the recently conducted ballots for 2024 edition of the code.

It is expected that all ballots will be closed before the end of May. The next CSA B52 Technical Committee (TC) will be conducted shortly after all ballots are closed. This will be virtual meeting. The main focus of the meeting will be to approve CSA B52 draft for public review. It is expected that the 60-days public review will start in June.

The next edition of CSA B52 is scheduled for first quarter of 2024.

Follow up from the March PESC meeting:

ASME Piping Codes

- B31.1:2022 issued on 2022-10-10
 - B31.1 summary of changes provided in the PESC March meeting includes two files:
 - ASME B31.1 2022 Edition – Summary of Changes (WD# 1333106)
 - ASME B31.1 2022 Edition – Appendices (WD# 1335006)
- ASME B31.5-2022 was issued on January 20, 2023
 - The 2022 Edition has only four changes that should not have impact on the code adoption process
 - New paragraph 538.4.4 *Closure Welds* was added.

4.5. Council Updates

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

- Member training (Effective Meetings Workshop and Appeals Training) will be offered in 2023—dates will be circulated by email once confirmed. This training is required for new members and open to any members who have not yet taken it or would like a refresher.
- The Council’s AGM and Member Appreciation event is being held in person in Edmonton on May 26, 2023 at the Delta South Edmonton. All members are encouraged to attend as it’s our way to say thank you for all the hard work you do as members throughout the year.
 - A calendar invite has been sent to all sub-council members.
 - Members are eligible for reimbursement of travel expenses in accordance with the Council Member Expense Procedure and Council’s [Travel Expense Policy](#).
 - The AGM package will be distributed in May.
 - Award nominations are now open and members are encouraged to nominate fellow sub-council members [here](#).
 - Please register for the AGM/Member Appreciation by April 21 [with this link](#).
- Amina Deiab has moved on from the Council after being the President and CEO since August 2020.
 - Katie Rowe, Vice President, Regulatory Affairs, Policy and Governance, has been named Acting President and Chief Executive Officer until a new President and CEO is recruited, and Mychele Joyes is Acting Vice President, Regulatory Affairs, Policy and Governance for that period.
 - Over the last two and a half years, Amina led the Council through COVID, ensuring staff safety while leading a significant transformation to become a purpose-driven, stakeholder-focused, and values-led regulatory organization, and the Council Board of Directors and staff wish her well in her next chapter.
- As a reminder, the fall PESC meetings have been rescheduled to September 26 and November 23, 2023. The calendar invitations have been updated.

5. Meeting Finalization

5.1. Round Table

- It was reported that Danielle Woroniuk will be stepping down from her position on the sub-council following the AGM, and she was thanked for all her work.
- The Chair encouraged working groups to select a Vice Chair, if they don’t already have one, to help with work sharing and succession planning.
- The Chair announced that this will be his last term and encourages members to consider putting their name forward for the chair position when the time comes.

5.2. Next Meeting

The next meeting was reconfirmed for September 26, 2023 at the Council office at 9:00 a.m.

5.3. Meeting Adjournment

Nathan Bartley/Nyssa Moore moved to adjourn the meeting; CARRIED

The meeting was adjourned at 1:34 pm.

– MOTIONS –

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5.3. Meeting Adjournment

Nathan Bartley/Nyssa Moore moved to adjourn the meeting; CARRIED.

– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (Chair)
Power Engineers	<u>Tony McWhannel</u>

	<p>Bert Boulet, Henry Hau, Danielle Woroniuk, Jim Rice, Mike Lyne, Todd Loran, John Wolff, David Miller, Warren Kmicik</p> <p>ABSA: Mike Poehlmann</p> <p>AMA support: Nick Monea</p>
Pressure Welders	<p><u>Billy Lee</u></p> <p>Geoff Kutz, Nyssa Moore, Jacques St-Onge, Robert James, Nate Bartley, Henry Hau, Justin MacNeil, Rick Walmsley, Matt Yarmuch</p> <p>ABSA: Mike Prefumo, Jason Reinhart</p> <p>AMA support: Nick Monea</p>
PESR Codes and Standards, Design Registration and Shop Inspections	<p><u>Greg Gaudet</u></p> <p>Henry Hau, Billy Lee, Tony McWhannel, Diederick Godin, David Miller, Eric Madsen, Jim B. Seale, Neil McKay, Shawn Morrison, Trevor Seipp, Kelly Bell</p> <p>ABSA: Lou Petrusevski</p> <p>AMA support: Nick Monea</p>
PESR In-Service Inspections, Repairs & Alterations, and PEIM Program	<p><u>Diederick Godin</u></p> <p>Greg Gaudet, Henry Hau, Todd Loran, Nyssa Moore, Jacques St-Onge, John Wolff, Nathan Bartley, Diederick Godin (Vice Chair), Jim Rice</p> <p>ABSA: Mike Poehlmann, Mike Prefumo</p> <p>AMA support: Nick Monea</p>
CSA N285.0	<p><u>Nyssa Moore</u></p> <p>Jack St.Onge, Henry Hau, Diederick Godin, Greg Gaudet</p> <p>External: Louis Shoukas, Randy Gleave, Lee Lama</p> <p>ABSA support: Mike Prefumo, Robin Antoniuk</p> <p>AMA support: Nick Monea</p>
Review of ASME B31.12	<p><u>Nathan Bartley (Chair), Billy Lee (Vice Chair)</u></p> <p>Warren Kmicik, Nyssa Moore, Elaine Wasylenchuk, Robert James, Henry Hau, Jarred Henkelman, other industry participants as required, and support from ABSA and Municipal Affairs as required</p>