



Safety Codes Council

MINUTES OF THE FOURTH PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2021

DATE: May 6, 2021

TIME: 9:00 a.m. to 1:53 p.m.

LOCATION: Videoconference

PRESENT: *Sub-Council Members*

Henry Hau, Chair

Nate Bartley

Bert Boulet

Neil MacKay

Greg Gaudet

Robert James

Geoff Kutz

Billy Lee, Vice Chair

Tony McWhannel

Nyssa Moore

Diederick Godin

Jim Rice

Safety Codes Council

Allison Karch, Kathryn Derkach, Susan Rossmann

Alberta Municipal Affairs

Allan Hantelmann, Bohdan Yard, Jon Elliott

ABSA

Mike Poehlmann, Robin Antoniuk, Djordje Sronic, John Siggers, Mike Prefumo

REGRETS: Dr. Magdi Ghobrial, David Miller, Jacques St-Onge, Danielle Woroniuk

GUESTS: John Wolff, Justin MacNeil, Matthew Yarmuch

RECORDER: Kathryn Derkach

2021 MEETINGS: June 24, September 9 (special), November 4

1. Meeting Opening

The Chair called the meeting to order at 9:00 a.m. A round table introduction was held and a safety moment was provided.

1.1 Agenda Adoption

Geoff Kutz/Nyssa Moore moved that the agenda be adopted, as circulated; CARRIED

1.2 Adoption of the March 4, 2021 Minutes

Nate Bartley/Neil MacKay moved to adopt the minutes of the March 4, 2021 meeting, as circulated; CARRIED

1.3 Adoption of the March 29, 2021 Minutes

Greg Gaudet/Nate Bartley moved to adopt the minutes of the March 29, 2021 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Greg Gaudet/Billy Lee moved to enter closed session; CARRIED

Billy Lee/ Tony McWhannel moved to return from closed session; CARRIED

2.1.1. Appointment of Warren Kmicik to represent Professional Engineers

Diederick Godin/Geoff Kutz moved to recommend to the Board appointment of Warren Kmicik to the Pressure Equipment Sub-Council to represent Professional Engineers for a term ending January 31, 2024, effective immediately; CARRIED.

3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	Ammonia Refrigeration Systems Concerns	Continue working on long term recommendations. UPDATE: Recommendation made to ABSA on education around basic operation and awareness of ammonia refrigeration plants. Request made to Municipal Affairs for further information on the planned activities of the cross ministry working group.	Mar 14/19 2.3.	Power Engineers WG	Ongoing, see item 4.2.1.

2.	Investigate Info Bulletin to Clarify ASME BPVC Section IV Application	Concerns that many of the end users of ASME BPVC Section IV are not familiar with how to properly apply the code. It was questioned whether an Information Bulletin should be issued for the general public to clarify. It was noted that some of the issues arise because of different rules in Europe regarding manufacturers' responsibilities. The PESR Codes and Standards Working Group will address this when additional info becomes available.	Jan 9/20 4.3.3.	PESR Codes & Standards Working Group	Item will be removed and brought back after the working group receives additional information.
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4. Matters for Discussion

4.1. Update on Sub-Council Discussions

The Manager of Stakeholder Relations reminded the sub-council of the process and scope for requests coming from Municipal Affairs.

- The Safety Codes Act is the top pillar of legislation that creates the Council and provides its duties and powers. Section 18 of the Act states the Council’s duties, which include:
 - carrying out any activities that the Minister directs
 - providing advice and recommendations about safety information, education programs and other information and services related to the Act.
- Formal written requests can come directly from the Minister. However, most often our requests come from the Administrators.
- Recommendations from the sub-council are sometimes a small piece of a larger issue facing Municipal Affairs. They have to take into account many other factors such as economic and policy before making final decisions.
- Municipal Affairs engages with a diverse group of stakeholders for review beyond the sub-councils. It was highlighted that the government appreciates its relationship with the sub-councils and values the work done by them.
- Requests can include review beyond safety issues—sometimes government is looking for industry opinions or implications of a code change. The sub-council needs to remember to review requests within the bigger umbrella of the Safety Codes Act.
- The Administrator reminded members that Information Bulletins fall under Municipal Affairs and AB 500 documents fall under ABSA. ABSA has a process for releasing AB 500 documents that includes stakeholders outside of the sub-council. It was noted that input from the sub-council is highly valued as well.
- If members feel that a request from Municipal Affairs or ABSA falls outside the scope or expertise of the sub-council, there is always an option to state that.

4.2. Working Group Reports

4.2.1. Power Engineers

The working group reviewed the ammonia refrigeration plant document and brought forward two recommendations.

- **Tony McWhannel/Billy Lee moved to request ABSA consider developing and implementing a course on basic operation and awareness of ammonia refrigeration plants; CARRIED.**

- **Tony McWhannel/Billy Lee moved to request Municipal Affairs provide information on planned activities from the cross ministry working group on ammonia refrigeration; CARRIED.**
 - It was noted by the Technical Advisor that he had no update at this time from this group.

A document regarding process equipment defined as a boiler was shared on screen and reviewed. This document outlines the issue of the broad definition of a boiler, as per the Power Engineers Regulation, when the equipment is not perceived by industry to be a boiler and those regulations are not being applied to the operation of the equipment. The working group will continue their discussion of this topic at their next meeting.

4.2.2. Pressure Welders

The Director of Mechanical Codes at Municipal Affairs requested the working group review the proposals from AWOC. The working group will review the proposal with the help of external expertise over the coming weeks.

4.2.3. PESR Codes & Standards

There has been discussion around the process of the AB-500 document revisions. ABSA gets feedback from various industry groups; however, the sub-council and working group are not always included. It has been requested that ABSA include the PESR working groups when these documents are sent out for review.

The working group will be reviewing the ASME B31P and B31T in June.

ASME Section XIII is a brand-new code that may affect some of the pressure equipment integrity management systems, regulations and AB-500 documents. The working group will review this section in September.

The ASME boiler and pressure vessel codes come out in July and the working group will review Sections I,IV,VIII and IX in the fall.

4.2.4. PESR In-Service Equipment

The working group is working on recommendations to ABSA around IB13-005 Pressure Testing Components in a Piping System to assist in providing clarity with the document.

4.4. AMA Report

The Technical Advisor reported that Municipal Affairs staff are still working remotely. A presentation given at the IPEIA conference may be of value to the sub-council and the Technical Advisor will research this further. [Hantelmann]

4.5. ABSA/Administrator Report

The Administrator reported:

- Summary of Unsafe condition, accident and fire reports
 - 11 unsafe conditions, accident and fire reports were received since the last update. No injuries were reported
 - Brief descriptions are available <https://www.absa.ca/unsafe-condition-accident-fire-reporting/summary-of-unsafe-condition-accident-fire-reports/>

- Information Bulletins
 - 4 information bulletins since last report
 - IB21-004 Requirements for the Integrity Management of Grade 91 Steel Used Above Currently-Permitted Allowable Stresses
 - IB21-003 Requirements for Engineered Pressure Enclosures
 - IB21-002 Use of Engineered Composite Systems
 - IB21-001 Reference Syllabus for Welding Examiner and Welding Examiner
- New or Revised AB-500 Documents
 - Revised
 - AB-536 Requirements for the Integrity Management of Grade 91 Steel Used Above Currently Permitted Allowable Stresses, Edition 1, Revision 1
 - Reaffirmed, deleted implementation period guidance
 - AB-521 Requirements for Engineered Pressure Enclosures, Edition 2, Revision 1
 - Revision includes rewrite of Annex A and addition of form AB-521a
 - Annex A – quality plans for owner-user RRIMR submission
 - AB-94 Reference Syllabus for Welding Examiner and Welding Examiner in Training, Edition 2, Revision 1
 - Revised with amendments approved by sub-council - updated the code references
 - New
 - AB-539 Engineered Composite Systems for Pressure Equipment Alterations, Edition 1 Revision 0
 - References ASME PCC-2 Part 4 Article 401, and ISO 24817
- ASME
 - The next ASME Boiler and Pressure Vessel (BPV) Code Week meetings are scheduled for May 10 to 14, 2021
- CSA B51
 - Update on Modernization Project
- Technical Sub-Committee (TSC) on Modernization and Task Groups (TG) are working on development of:
 - Conformity Assessment requirements – The focus is on new construction and capturing and documenting existing best practices
 - Reorganization of B51 using pressure equipment lifecycle approach
 - Transforming B51 in an electronic data book to allow for each group of users to organize the code in line with their activities
 - Data book concept has some artificial intelligence (AI) capacity
 - Developing an Annex that will define and synchronizing commonly used applications (special requirements) and exemptions
- The other B51 TSCs are working on many items for 2024 edition. Some of them include:
 - Replacement of Statutory Declaration form with Declaration of Conformity
 - Revision of rules for blowoff vessels
 - Development of toughness rules for carbon steels
 - Revision of rules for anhydrous ammonia vessels
 - Development of rules for pneumatic testing
- CSA B52

- Technical Committee (TC) meeting was held virtually 27 April. The TC and its subcommittee are working on items for the next edition of B52 scheduled for publication December 2022. Some of them include:
 - Introduction of new refrigerants
 - Review and potentially revision of Clause 5.2 (125 kW exemption).
 - Requirements for ammonia refrigeration systems

4.6. Council Updates

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

- Council staff continue working from home.
- Meeting invitations – members were reminded to send an email to Gerry Letendre confirming attendance if they don't see "accept and send response" options in the invitation. Cancellations from individuals other than Council staff can be ignored.
- Contacts for nominating organizations – a list was included in the agenda package and all members were asked to review and update if necessary. [All]

5. Meeting Finalization

5.1. Round Table

- Dr. Magdi Ghobrial was thanked for his years of service on the sub-council.
- Neil MacKay has taken a new position and is stepping down from the sub-council.

5.2. Next Meeting

The next meeting was reconfirmed for June 24, 2021 via videoconference at 9:00 a.m.

5.3. Meeting Adjournment

The meeting was adjourned at 1:53 p.m.

– NEW ACTION ITEMS –

4.4. AMA Report

A presentation given at the IPEIA conference may be of value to the sub-council and the Technical Advisor will research this further. [Hantelmann]

4.6. Council Updates

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– MOTIONS –

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– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (Chair)
Power Engineers	<u>David Miller</u> , Mike Clancy, Henry Hau, Todd Loran, Tony McWhannel, John Wolff, Danielle Woroniuk, Jim Rice, Mike Lyne ABSA: Mike Poehlman, John Siggers
Pressure Welders	<u>Billy Lee</u> , Marvin Kossowan, Geoff Kutz, Nyssa Moore, Jacques St-Onge, Robert James, Nate Bartley, Matt Yarmuch, Magdi Ghobrial, Henry Hau ABSA: Mike Prefurmo, Jason Reinhart
PESR Codes and Standards, Design Registration and Shop Inspections	<u>Greg Gaudet</u> , Henry Hau, Magdi Ghobrial, Marvin Kossowan, Billy Lee, Tony McWhannel, David Miller, Eric Madsen, Jim B. Seale, Neil McKay, Shawn Morrison, Trevor Seipp, Diederick Godin, Kelly Bell
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 Poehlman, Mike Prefurmo, John Siggers