



# Safety Codes Council

## MINUTES OF THE THIRD PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2020

**DATE:** May 7, 2020

**TIME:** 9:00 a.m. to 10:50 a.m.

**LOCATION:** Safety Codes Council Office, Edmonton

**PRESENT:** *Sub-Council Members*

Henry Hau, Chair  
Nate Bartley  
Colby Chapman  
Greg Gaudet  
Dr. Magdi Ghobrial  
Geoff Kutz  
Billy Lee, Vice Chair  
Tony McWhannel  
Diederic Godin  
David Miller, Vice Chair  
Nyssa Moore  
Jacques St-Onge  
Jim Rice

*Safety Codes Council*

Kathryn Derkach, Jennifer Johnson, Susan Rossmann

*Alberta Municipal Affairs*

Allan Hantelmann

*ABSA*

Mike Poehlmann, Robin Antoniuk, Djordje Srnica

**REGRETS:** Robert James, Danielle Woroniuk

**GUESTS:** Matt Yarmuch, AWOC

**RECORDER:** Jennifer Johnson

**2020 MEETINGS:** September 3, October 22, December 3

## 1. Meeting Opening

The Chair called the meeting to order at 9:05 a.m. A round table introduction was held and a teleconference etiquette was discussed:

### 1.1 Agenda Adoption

The following items were removed from the agenda:

- 4.1. QAF Presentation

**David Miller/Billy Lee moved that the agenda be adopted, as amended; CARRIED**

### 1.2 Adoption of the March 12, 2020 Minutes

The minutes were reviewed and the following corrections were made:

- Spelling error under guests, should read 'AWOC'
- Dr. Magdi Ghobrial was in attendance

**Tony McWhannel/Nyssa Moore moved to adopt the minutes of the March 12, 2020 meeting, as amended; CARRIED**

## 2. Matters for Decision

### 2.1. Formation of Power Engineer Working Group

- a) David Miller/Geoff Kutz moved to form a working group to deal with issues related to the Power Engineering Regulation in the Province of Alberta; CARRIED
- b) David Miller/Jim Rice moved for a working group timeline of two years; CARRIED.
- c) David Miller/Billy Lee moved for the working group to be chaired by David Miller and include as members: Mike Clancy, Henry Hau, Todd Loran, Tony McWhannel, John Wolff, Danielle Woroniuk, Jim Rice, and Mike Lyne. The working group will be supported by members of ABSA and AMA as required; CARRIED

### 2.2. Formation of Pressure Welders Working Group

- a) Billy Lee/Nate Bartley moved to form a working group to:
  - Review of latest revision of ASME Construction Codes (Section I, Section VIII, Section IX, B31.1, B31.3, etc.) and CSA Codes (B51) to ensure the Alberta Pressure Regulations are aligned with the aforementioned code (s).
  - Make recommendations to the Welders regulations for consideration by the Pressure Equipment Sub-Council regarding changes to code requirements in a timely fashion.
  - Communicate with stakeholders in industry in identifying issues regarding the application of welding in the pressure industry in Alberta and presenting these to the sub-council.
  - To ensure continual improvement to the welders regulations; CARRIED
- b) Billy Lee/Nate Bartley moved for a working group timeline of two years; CARRIED
- c) Billy Lee/Nate Bartley moved for the working group to be chaired by Billy Lee and include as members: Marvin Kossowan, Geoff Kutz, Nyssa Moore, Jacques St-Onge, Robert James,

Nate Bartley, Matt Yarmuch, Magdi Ghobrial, Colby Chapman, and Henry Hau. The working group will be supported by members of ABSA and AMA as required; CARRIED.

### **2.3. Formation of PESR Codes and Standards, Design Registration and Shop Inspections Working Group**

- a) **Greg Gaudet/Billy Lee moved to form a working group to provide advice and recommendations to the sub-council regarding engineering, design analysis and risk management strategies, including the following:**
- **Proposed revisions to the PESR and associated regulations**
  - **Proposed issues or revisions to Design Requirements, Processes and Guidelines.**
  - **Issues and opportunities identification and program development regarding continuous improvement in the Design Survey functions within the industry and ABSA. This may include:**
    - **New equipment registration**
    - **Engineered Pressure Enclosures**
    - **OPPSD**
    - **Hot Tap**
    - **FEA**
    - **FFS**
    - **Material issues (i.e. P91 and low temperature carbon steel)**
    - **Other types of engineering analysis requirements for registration**
  - **Codes and Standards that should be adopted within Alberta for pressure equipment safety and integrity, especially considering the impact of revisions to CSA and ASME codes; CARRIED**
- b) **Greg Gaudet/Dave Miller moved for a timeline of two years for the working group; CARRIED**
- c) **Greg Gaudet/Billy Lee moved for the working group to be chaired by Greg Gaudet and include as members: 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, and Kelly Bell. The working group will be supported by members of ABSA and AMA as required; CARRIED**

### **2.4. Formation of PESR In-Service Inspections, Repairs & Alterations, and PEIM Program Working Group**

- a) **Geoff Kutz/Nyssa Moore moved to form a working group to provide advice and recommendations to the sub-council on the following:**
- **Regulations, codes, standards, and ABSA requirements pertaining to In-service Pressure Equipment in Alberta**
  - **Post construction repairs and alterations to pressure equipment**
  - **Specific to in-service issues and concerns identified by the pressure equipment industry in Alberta and which the sub-council has agreed to**
  - **Issues and concerns as identified by the sub-council; CARRIED**

b) Geoff Kutz/Colby Chapman moved for a timeline of two years for the working group;  
CARRIED

c) Geoff Kutz/Jim Rice moved for the working group to be chaired by Geoff Kutz and include as members: Greg Gaudet, Henry Hau, Todd Loran, Nyssa Moore, Jacques St-Onge, John Wolff, Nate Bartley, Diederick Godin (Vice Chair) and Jim Rice. The working group will be supported by members of ABSA and AMA as required; CARRIED

**2.5. Skills Matrix Review**

Members who have not yet submitted the recommended skills for their seat are asked to please email them to Kathryn or Jennifer. Once the matrix is complete this item can be voted on and completed.

[All]

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

	Item	Action	Date Initiated	Responsible	Status/Update
1.	Ammonia Refrigeration Systems Concerns	Continue working on long term recommendations.	Mar 14/19 2.3.	Power Engineers WG	In progress.
		ABSA will put together a task group to assist in development of an “AB-500 document” to address integrity management system requirements for ammonia refrigeration plants. The findings of this task group will be brought back to the sub-council. Tony McWhannel and Mike Clancy volunteered for the task group.	Oct 24/19 4.1.	Poehlmann/ Miller/ McWhannel/ Clancy	AB 538 has been issued. Complete.
2.	Certification Requirements for Providing Reduced Supervision document	The Administrator asked for a status update on the Certification Requirements for Providing Reduced Supervision document and the Power Engineers Working Group’s feedback on it. Todd Loran will work with the Working Group Chair to provide an update for the next meeting.	Jan 9/20 4.3.1.	Miller	Working group has reviewed this and will confirm with Administrator if item is complete or if anything else is required.
3.	Investigate Info Bulletin to Clarify Section 4 Application	Concerns that many of the end users of Section 4 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 at their next meeting.	Jan 9/20 4.3.3.	PESR Codes & Standards Working Group	Ongoing

## 4. Matters for Discussion

### 4.1. Working Group Reports

#### 4.1.1. Power Engineers

The following was discussed:

- The group has had a couple of productive meetings
- Ammonia Refrigeration Systems document AB 538 has been issued
- Group has been working with the Administrator to provide feedback where necessary with emerging Covid-19 related issues, for example: a variance was issued allowing chief power engineers to provide supervision on shift

#### 4.1.2. Pressure Welders

A written report was included in the member portal, highlights included:

- The group met to discuss proposed changes to the Pressure Welding Regulations
- They have completed their review and will hold off on submitting their recommendations to Municipal Affairs until October 2021

#### 4.1.3. PESR Codes & Standards

Nothing to report

#### 4.1.4. PESR In-Service Equipment

The following was discussed:

- Met to review the background and purpose of the working group and discuss motions for today's meeting (Item 2.4)
- Group discussed letter from oil sands group to Administrator and compiled some suggestions

### 4.2. AMA Report

The Technical Advisor reported:

- Red Tape Reduction continues to be a priority
- Work continues on differences in power engineering between Alberta and Quebec
- Expiry date for new Pressure Welding Regulation is May 31, 2022

### 4.3. ABSA/Administrator Report

The Administrator reported:

#### **Summary of Unsafe condition, accident and fire reports**

3 unsafe condition, accident and fire reports were received since the last update. Brief descriptions are available <https://www.absa.ca/unsafe-condition-accident-fire-reporting/summary-of-unsafe-condition-accident-fire-reports/>

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2020-03-11	0	0	Following maintenance activities, process fluid was reintroduced to the tube side of a heat exchanger, but the shell side was still blocked in, causing pressure build up in the shell side until the outlet valve lost containment at its inlet flange.	Yes
2020-03-09	0	0	Incorrectly assembled drain tubing on a fuel gas scrubber leaked gas resulting in a fire.	Yes
2020-03-08	0	0	A process high temperature excursion resulted in loosening of a flanged joint, allowing flammable process fluid to leak resulting in a fire.	Yes

**Information Bulletins issued since January 6<sup>th</sup>, 2020**

Variance	2020-04-30	IB20-012 (VA20-004)	Special Steam-powered Traction Engine Operator Renewal Examination	PER
Interpretation	2020-04-27	IB20-011	Integrity Management Systems for Mechanical Refrigeration Systems Containing Ammonia	PESR

Interpretation	2020-04-08	IB18-004-R1	PESR Section 35 - Reporting Unsafe Conditions, Accidents and Fires	PESR
Interpretation	2020-04-08	IB20-010	Expiry of Examination Paper Passed and Experience	PER
Variance	2020-04-03	IB20-009	Chief Power Engineer Working Shift (VA20-002)	PER
Interpretation	2020-04-02	IB20-008	Justification of SA-105 Flanges for low Temperature Service in ASME Section VIII-1 2019 Edition	PESR
Interpretation	2020-04-02	IB20-007	Inspection and Servicing Requirements for In-Service Pressure equipment Deferrals	PESR
Information	2020-03-16	IB20-006	ABSA COVID-19 Measures	N/A

### **New or Revised AB-500 Documents**

AB-538 Integrity Management Requirements for Mechanical Refrigeration Systems Containing Ammonia

### **ASME**

The next ASME Boiler and Pressure Vessel Code Week meetings will be held via Zoom May 10 – 15<sup>th</sup>.

### **CSA B51**

There was a B51 TC e-meeting on April 7<sup>th</sup>. Highlights include:

- CSA B51 is working on a proposal for enhancing the process for Code changes. This initiative is follow up to the CSA Strategic Steering Committee action item.
- Approval of the Charter document for Technical Sub-Committee on Modernization
- Technical Sub-Committee succession planning is under review:
  - Technical Sub-Committee Chair term review
  - Request to Technical Sub-Committees to identify Vice Chairs

**CSA B51** – Technical Sub-Committee on Pressure vessels had a meeting on April 24<sup>th</sup>. Sub-Committee is working on the proposal to require impact testing for carbon steels. The approach is very similar to the European requirements for carbon steel.

**CSA B51** – Technical Sub-Committee on Modernization had two meetings on March 27<sup>th</sup> and April 30<sup>h</sup>.

- Sub-committee developed document to define the scope and deliverables of the modernization project and framework for the Committee operation.
- Sub-committee determined the need for six task groups that will develop proposals for each item in the modernization project scope. The formation of task groups in progress.

## **CSA B52**

There was a B52 TC e-meeting on April 27<sup>th</sup>. Highlights include:

- Two new Vice Chairs were elected. Nordia Brown and Myriam St. Georges were appointed as Vice Chairs of the B52 Technical Committee.
- CSA B52 Handbook was published in December 2019.
- CSA B52 is working on:
  - transformation of Working Groups in Technical Sub-Committees; and
  - proposal for enhancing the process for Code changes.

### **4.4. Council Updates**

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

- Allison is now on maternity leave, please email Kathryn or Jennifer if you have any questions
- Covid-19 impact: AGM and the conference have been postponed; Safety Codes Council office is closed to the public

## **5. Meeting Finalization**

### **5.1. Round Table**

- N/A

### **5.2. Next Meeting**

The next meeting was reconfirmed for September 3, 2020 at 9:00 a.m.

### **5.3. Meeting Adjournment**

The meeting was adjourned at 11:05 a.m.



– NEW ACTION ITEMS –

**2.5. Skills Matrix Review**

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## – MOTIONS –

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– WORKING GROUP MEMBER LISTS –

<b>WORKING GROUP</b>	<b>WORKING GROUP MEMBERS (<u>Chair</u>)</b>
Power Engineers	<p><b><u>David Miller</u></b>                      Mike Clancy, Henry Hau, Todd Loran, Tony McWhannel, John Wolff, Danielle Woroniuk, Jim Rice                      Industry Representative: Mike Lyne (Suncor)                      Support: Mike Poehlmann, Tom Lemming, John Siggers, Allan Hantelmann</p>
Pressure Welders	<p><b><u>Billy Lee</u></b>                      Marvin Kossowan, Geoff Kutz, Nyssa Moore, Jacques St-Onge, Robert James, Nate Bartley, Magdi Ghobrial, Colby Chapman and Henry Hau                      Industry Representation: Matt Yarmuch, AWOC                      Support: Jason Reinhart, Robin Antoniuk, Allan Hantelmann</p>
PESR Codes and Standards, Design Registration and Shop Inspections	<p><b><u>Greg Gaudet</u></b>                      Magdi Ghobrial, Marvin Kossowan, Billy Lee, Tony McWhannel, David Miller, Diederick Godin, and Henry Hau                      Industry Representatives: Eric Madsen, Shell Canada; Jim B. Seale, Seale Engineering; Neil McKay, Cesco; Shawn Morrison, M5 Engineering; Simon Yuen, Suncor Energy; Trevor Seipp, Becht Engineering; and Kelly Bell, Cenovus Energy                      Support: Mike Poehlmann, Djordje Srnic.</p>
PESR In-Service Inspections, Repairs & Alterations, and PEIM Program	<p><b><u>Geoff Kutz</u></b>                      Greg Gaudet, Henry Hau, Todd Loran, Nyssa Moore, Jacques St-Onge, John Wolff, Nate Bartley, Diederick Godin (Vice Chair) Jim Rice                      Support: Robin Antoniuk, Allan Hantelmann</p>