



# Safety Codes Council

## MINUTES OF THE THIRD PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2019

**DATE:** May 2, 2019

**TIME:** 9:00 a.m. to 12:20 p.m.

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

**PRESENT:** Henry Hau, Chair  
Nate Bartley  
Greg Gaudet  
Dr. Magdi Ghobrial  
Marvin Kossowan  
Billy Lee, Vice Chair  
Todd Loran  
David Miller, Vice Chair  
Tony McWhannel  
Nyssa Moore  
Jacques St-Onge  
Danielle Woroniuk

**Alberta Boilers Safety Association**  
Mike Poehlmann, Robin Antoniuk, Djordje Sronic

**Alberta Municipal Affairs**  
Allan Hantelmann

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

**REGRETS:** Mike Clancy, Robert James, Geoff Kutz, John Wolff

**RECORDER:** Sandi Orr

**2019 MEETINGS:** June 20 (Special), September 5, October 24 (Special), December 12—Date Change

**2019 CONFERENCE:** May 29 to 31, 2019

## 1. Meeting Opening

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

### 1.1. Agenda Adoption

**Billy Lee / Jacques St-Onge moved that the agenda be adopted, as circulated; CARRIED**

### 1.2. Adoption of Minutes

A discussion was held regarding the motion under Agenda Item 2.3. It was clarified that the intent was to gather feedback from other sub-councils and the TCC before finalizing any requests to ABSA.

**Greg Gaudet/ Billy Lee moved to adopt the minutes of March 14, 2019, as circulated; CARRIED**

## 2. Matters for Decision

### 2.1. Request for ABSA to provide clarity on the definition of: Mechanical joint — a connection realized by the joining of parts utilizing a positive-holding mechanical construction; and the prohibition in Clause 8.7 with respect to specific joining/clamping systems that would be considered prohibited

An overview was provided regarding the need for clarity about the definition of Mechanical Joint. After gaining clarity of the issues, it was suggested that an action item for ABSA to request an interpretation from the CSA would be more appropriate than a motion.

It was requested that ABSA submit a Request for Interpretation to the CSA-B51 Technical Committee regarding clarity on the definition of: *Mechanical joint—a connection realized by the joining of parts utilizing a positive-holding mechanical construction*; and the prohibition in Clause 8.7 with respect to specific joining/clamping systems that would be considered prohibited.

[Poehlmann]

### 2.2. Request to ABSA to provide expectations for owners with respect to High Energy Steam Piping Systems (13.4) and “Condition Assessments” requirements

The sub-council accepted the Working Group’s recommendation to request that ABSA provide clarity regarding the expectations for owners with respect to High Energy Steam Piping Systems (13.4) and “Condition Assessments” requirements. It was agreed that an action item for ABSA would be more appropriate than a motion.

[Poehlmann]

### 2.3. Request to ABSA to provide clarification with respect to CSA B51 clause 8.3 and ASME B31.3 345.3.1.d requirements

The Working Group raised discussion regarding the conflict between B31.3 and CSA B51 Clause regarding painting welded joints in piping systems prior to pressure testing. It was recognized that the sub-council has already recommended the adoption of CSA-B51:19, and it will be ABSA's responsibility to enforce it when it comes into force on April 1, 2020.

After an in-depth discussion, it was determined no further action was required.

### 3. Review Matters Arising/Action List

	Item	Action	Date	Responsible	Status/Update
1.	Power Engineers Continuing Education	Provide updates from AIPE about potential continuing education for Power Engineers. If the intent would be for all Power Engineers, this would have to move forward through AMA. <b>UPDATE:</b> AIPE is working on this in collaboration with other groups.	Sep 7/17 <b>2.1.</b>	Hau	Being no further action from the sub-council, this item was closed and will be removed from the action list
2.	Low Carbon Steel	Continue to monitor the low-carbon steel project. <b>UDPATE:</b> A brief update was provided on the codes and it was noted that a gap will exist between the Pressure Code and the Piping Code. This item will remain on the action list for further updates.	Feb 1/18 <b>3.</b>	Srnic	Ongoing
3.	Working Groups	All Working Group Chairs were reminded to post the working group meeting dates in the portal as all PESC are welcome to attend.	Jan 10/19 <b>3.2.</b>	Miller / Lee / Gaudet / Kutz	This item was closed and will be removed from the action list
4.	Certification Differences across Provinces	It was suggested that a presentation regarding certification differences be provided at a future meeting and that consideration be given for a letter supporting AMA's position. A presentation will be provided by the Department of Labour on trade issues at a future meeting. <b>UPDATE:</b> The Technical Advisor is working on this. Feedback was provided from an Educational perspective.	Jan 10/19 <b>3.3.</b>	Hantelmann	In progress
5.		Provide feedback from other sub-councils about short term	Mar 14/19 <b>2.3.</b>	Council Administration	

Refrigeration Systems Concerns	<p>recommendations moved by PESC at their March 2019 meeting.</p> <p><b>UPDATE:</b> Feedback from the Fire, Gas, Plumbing and Electrical sub-councils was included in the portal.</p> <p>It was asked that someone from PESC attend the next Fire SC meeting on May 14 to provide clarity. It was noted that responses to the incident are separate from feedback on the recommendations themselves. An overview was provided regarding a query from an OHS inspector regarding a small town rink with a freon system and no detection device. OHS is looking for assistance for items that are outside of their jurisdiction. It is believed that clarity is still needed regarding discipline jurisdiction.</p>			
	Continue working on long term recommendations.	Mar 14/19 <b>2.3.</b>	Power Engineers WG	In progress

Council will look into whether the Working Group calendars can be auto populated into the Sub-Council calendar. [Council Administration]

Council will relay the Administrator’s offer to discuss ammonia refrigeration at the next Fire Sub-Council meeting to the FSC Chair and request that an invitation be sent, if the Chair wishes. [Council Administration]

**4. Matters for Discussion**

**4.1. Working Group Reports**

It was requested that working group meeting dates be provided well in advance so members can schedule accordingly.

**4.1.1. Power Engineers Working Group**

There was nothing new to report.

**4.1.2. Pressure Welder Working Group**

It was reported that some items were on hold because of the election and these will now recommence.

An in-depth discussion was held regarding the 3-column documents provided by AWOC for proposed changes to the Pressure Welders Regulations. Relative to processes, AWOC is suggesting the regulations be streamlined with some requirements removed from the regulations and placed into annex documents that would be created for that purpose (e.g. welder

qualifications, syllabus, etc.) to make it easier for revisions to be made instead of going through the regulatory process.

There was some concern that the impetus behind this is economic advantage rather than safety. AWOC would prefer that ASME Section IX rules be relied on as the sole requirements for welder qualification. Examples were provided regarding practices in other countries and the CETA trade agreement. An overview was provided of some of the technical requirements that AWOC is also suggesting be changed.

Although the sub-council supports making requirements simpler to understand, there is no support for reducing safety. It was reiterated that the Government owns the regulations and it is ultimately the Government's decision to make any changes to legislation.

This led to a discussion and clarification regarding the processes of recommending changes to the Minister in light of automatic code adoption and the relationship between the Council, the Minister and AMA staff.

It was also reported that ABSA has recently revised its website and the documents concerning welder testing are easier to find.

#### **4.1.3. PESR – Codes and Standard, Design Survey/Registration and New Inspection Working Group**

The Working Group Chair reported the following:

- Meeting dates have included in the portal but it is known there are some conflicts
- Met last Friday, lot of information was provided at the last minute
- There was good discussion around Section VIII
- Changes will be recommended for AB 520 Finite Element Analysis Requirements
- Further discussion is needed regarding specific changes to Division 2
- A discussion was held about Professional Engineering requirements
- A brief overview was provided of some of the changes and their impacts
- Looking at rescheduling the May meeting to another date in May, with the following meeting scheduled for June 14. Specific recommendations from the working group will be brought forward at a future meeting

It was reported that CSA B51:19 has now been published. The changes in the 2019 edition have been reviewed by the working group.

**Greg Gaudet / Dr. Magdi Ghobrial moved that the CSA B51:19 is suitable without modification for enforcement in accordance with the provisions for automatic code adoption established in the Safety Codes Act.**

#### 4.1.4. PSER – In-Service Inspections Working Group

Three motions were presented from the last working group meeting under Matters for Decision. An overview was provided of continuing discussions being held by the working group including In Service Chief Inspection certification.

#### 4.2. AMA Report

A corrected document of the Automatic Code Adoption as of February 8, 2019 was circulated. The Technical Advisor is hoping to be able to provide clarity in the fall regarding automatic code adoption processes.

As discussed earlier in the meeting, AWOC has submitted the 4-column documents to AMA and a meeting is being planned for early June. An update will be provided at the June 2019 PESC meeting.

An update was provided regarding the issue relative to Power Engineer equivalencies between Quebec and Alberta.

There is now a new Minister of Municipal Affairs, Kaycee Madu, as well as a new Deputy Minister.

#### 4.3. ABSA/Administrator Report

##### Summary of Accident Reports

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2019-04-01	0	0	The threaded inlet of a safety valve failed on a compressor skid, allowing gas to escape.	Yes
2019-03-29	0	0	Flammable material was inadvertently left in a pressure vessel used for heat treating products at a high temperature. The material ignited, causing a fire.	No
2019-03-28	0	0	A leak was discovered at the inlet nozzle of a pressure vessel. The leaking process fluid came into contact with hot piping and ignited, causing a fire.	Yes
2019-03-26	0	0	A pinhole leak was discovered in the union connecting the pressure gauge to the steam drum of a high pressure steam boiler.	Yes
2019-03-22	0	0	An atmospheric tank overfilled with glycol. The glycol came in contact with a nearby burner, igniting and causing a fire.	Yes

### **Information Bulletins issued since March 14**

Interpretation	2019-04-16	IB19-001	Quality Plan for Design Submissions	PESR
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### **AB-500 documents issued since March 14**

- AB-530, Quality Plan Requirements for an Alberta Certificate of Authorization Permit Holder Pressure Vessel Design Submission, Edition 1, Revision 3 issued 2019-04-16.
  - o reaffirmation
- AB-531, Quality Plan Requirements for an Alberta Owner-User Pressure Piping Design Submission, Edition 1, Revision 3 issued 2019-04-16.
  - o From change log
    - Changes to the definition of QP Process Manager
    - Changes to 5.2.2, the RDR responsibilities
    - Changes to 5.3.1, include unlisted materials requirement

### **CSA B51**

- B51:19 published “March 2019”

### **CSA B52**

- B52:18 published – as reported last meeting

### **ASME**

- 2019 Edition scheduled for July publication

An overview was provided regarding the harmonization of CRN Registration, as well as trade agreements.

## **4.4. Council Updates**

The following was reported:

- A brief update on the Conference was provided
- Starting in the fall, the agenda will be posted 2 weeks in advance of the meeting; all requests for additions need to be submitted to the Chair at least 3 weeks in advance
- New Minister and Deputy Minister

## **5. Meeting Finalization**

### **5.1. Meeting and Agenda Feedback**

There was nothing new to bring forward.

### **5.2. Next Meeting**

The next meeting is a special meeting and was reconfirmed for Thursday, June 20, 2019 at 9:00 am at the Council office.

A request was made to change the December meeting from December 5 to December 12. Consensus was reached to change the meeting to December 12, 2019.

### **5.3. Meeting Adjournment**

The meeting was adjourned at 12:20 p.m.



--- NEW ACTION ITEMS ---

**2.1. Clarification of Mechanical Joints in relation to CSA B51 – Clause 8.7**

It was requested that ABSA submit a Request for Interpretation to the CSA-B51 Technical Committee regarding clarity on the definition of: Mechanical joint—a connection realized by the joining of parts utilizing a positive-holding mechanical construction; and the prohibition in Clause 8.7 with respect to specific joining/clamping systems that would be considered prohibited.

[Poehlmann]

**2.2. Owner Expectations relative to High Energy Steam Piping Systems (13.4)**

The sub-council accepted the Working Group’s recommendation to request that ABSA provide clarity regarding the expectations for owners with respect to High Energy Steam Piping Systems (13.4) and “Condition Assessments” requirements.

[Poehlmann]

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

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[Council Administration]

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[Council Administration]

--- MOTIONS ---

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**1.2. Adoption of Minutes**

**Greg Gaudet/ Billy Lee moved to adopt the minutes of March 14, 2019, as circulated; CARRIED**

**4.1.3. PESR – Codes and Standard, Design Survey/Registration and New Inspection Working Group**

**Greg Gaudet / Dr. Magdi Ghobrial moved that the CSA B51:19 is suitable without modification for enforcement in accordance with the provisions for automatic code adoption established in the Safety Codes Act.**

## **WORKING GROUP MEMBERS**

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

**Geoff Kutz**, Greg Gaudet, Grant Peuramaki, Jacques St-Onge, John Wolff, Todd Loran, Henry Hau and Nyssa Moore

Support: Robin Antoniuk, Allan Hantelmann

### **PESR Codes & Standards, Design Registration and Shop Inspections Working Group**

**Greg Gaudet**, Dr. Magdi Ghobrial, Billy Lee, David Miller, Marvin Kossowan, Tony McWhannel and Izak Roux. The following support was reconfirmed: Mike Poehlmann and Djordje Sronic.

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

### **Power Engineers Working Group**

**David Miller**, Mike Clancy, Todd Loran, John Wolff, Grant Peuramaki, Henry Hau, Tony McWhannel

Industry Representative: Mike Lyne (Suncor)

Support: Mike Poehlmann, Tom Lemming, John Siggers, Allan Hantelmann

### **Pressure Welders Working Group**

**Billy Lee**, Ward Wagner, Jacques St-Onge, Marvin Kossowan, Magdi Ghobrial, Nyssa Moore, Geoff Kutz, Izak Roux

Industry Representation: Matt Yarmuch, AWOC

Support: Jason Reinhart, Robin Antoniuk, Allan Hantelmann

### **Bold - Chair**