



**MINUTES OF THE  
FIFTH PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2021**

**DATE:** June 24, 2021

**TIME:** 10:15 a.m. to 12:08 p.m.

**LOCATION:** Videoconference

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

Henry Hau, Chair  
Nate Bartley  
Neil MacKay  
Greg Gaudet  
Warren Kmicik  
Diederick Godin  
Robert James  
Geoff Kutz  
Billy Lee, Vice Chair  
Tony McWhannel  
David Miller, Vice Chair  
Nyssa Moore  
Jacques St-Onge  
Danielle Woroniuk  
Bert Boulet

*Safety Codes Council*

Allison Karch, Kathryn Derkach

*Alberta Municipal Affairs*

Allan Hantelmann, Bohdan Yard

*ABSA*

Mike Poehlmann, Robin Antoniuk, Djordje Srnic

**REGRETS:** Jim Rice

**GUESTS:** Matthew Yarmuch (AWOC)

**RECORDER:** Kathryn Derkach

**2021 MEETINGS:** September 9 (special), November 4

## 1. Meeting Opening

The Chair called the meeting to order at 10:15 a.m. A round table introduction was held and a safety moment was provided.

### 1.1 Agenda Adoption

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

### 1.2 Adoption of the May 6 Minutes

**Billy Lee / Robert James moved to adopt the minutes of the May 6, 2021 meeting, as circulated; CARRIED**

## 2. Matters for Decision

*None identified*

## 3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	Ammonia Refrigeration Systems Concerns	Continue working on long term recommendations. <b>UPDATE:</b> 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 <b>2.3.</b>	Power Engineers WG	Item 4.1.1.1. on this agenda

## 4. Matters for Discussion

### 4.1. Working Group Reports

#### 4.1.1. Power Engineers

It was reported that there have been ongoing discussions pertaining to the Power Engineers Regulation and its applicability to boilers in process plants. Further clarification about what equipment should be governed by the regulation is needed. The working group hopes to bring forward recommendations by the end of the year.

#### 4.1.1.1 Ammonia Refrigeration Systems Concerns

At the May 2021 PESC meeting, a request was made to Municipal Affairs for an update on planned activities from the cross ministry working group on ammonia refrigeration.

Municipal Affairs has reported that there are no further meetings or activities expected from this working group. The associated item on the action list is considered closed.

#### 4.2.2. Pressure Welders

The working group continues to review the proposals from AWOC at the request of Municipal Affairs. Review is ongoing as members do further research.

Proposal 13 is about a proposed “master form” concept. This concept would create an online portal that would provide an efficient means of documenting and accessing qualification records. The working group supports this concept and recognizes that work has already begun with ABSA.

**Billy Lee / Nyssa Moore moved to support the master form concept and database with ongoing work from the Pressure Welders working group and ABSA; CARRIED**

#### 4.2.3. PESR Codes & Standards

ABSA has almost completed their review of B31P Standard Heat Treatments for Fabrication Processes and B31T Standard Toughness Requirements for Piping which will then be reviewed by the working group.

#### 4.2.4. PESR In-Service Equipment

The working group reviewed IB13-005 *ASME B31.3 Pressure Testing Components in a Piping System* as requested by the Administrator. Suggested revisions were reviewed on screen.

It was noted that the Alberta Pressure Piping Contractors Association has additional comments that will be submitted directly to ABSA.

**Geoff Kutz / Billy Lee moved to submit IB13-005 as amended to ABSA for their consideration; CARRIED**

Some members of the working group feel that there was insufficient communication around the revision of the Fuel Gas Pressure Piping in Plants STANDATA in the Gas discipline, which was published in February 2021. Many industry members were unaware of the revisions and it was suggested that it would be beneficial to give new or revised STANDATA that affect the pressure equipment discipline a higher profile, perhaps through avenues like ABSA’s Pressure News. It was noted that Municipal Affairs has an [email subscription service](#) for notifications of STANDATA as they are published. Members were also encouraged to communicate with their nominating organizations to help disseminate information like this.

#### 4.4. AMA Report

The Technical Advisor reported that staff are still working from and have not yet received information on moving back to the office.

#### 4.5. ABSA/Administrator Report

- Summary of Unsafe condition, accident and fire reports
  - 6 unsafe conditions, accident and fire reports were received since the last update. 1 injury was reported. A worker received burns on legs due to discharge of hot steam condensate from piping that was being disassembled.

- Brief descriptions are [available](#)
- Information Bulletins
  - No Information Bulletins issued since last meeting.
- New or Revised AB-500 Documents
  - No new or revised AB-500 Documents issued since the last meeting.
- ASME
  - The ASME Boiler and Pressure Vessel (BPV) Code Week meetings were held virtually from May 9th to May 14th, 2021.
  - TOMC – Technical Oversight Management Committee
    - It was reported that all ASME Boiler Code Meetings will be virtual through December 2021. For 2022, the plan is to have virtual meetings in February, August, and November, and in-person meetings in May.
    - 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.
  - ASME BPV Section I
    - The Task Group on Modernization is working on the modernization rules for power boilers. Some of these modernization initiatives will include high temperature rules (e.g. material properties, welding requirements, PWHT, preheat), creep design rules, and creep-fatigue rules. Some of these new rules will be published in the 2021 Edition of Section I. The work continues for the 2023 edition.
  - ASME BPV Section VIII
    - ASME and the refrigeration industry have been discussing the Section VIII scope issue since 2017. ASME prepared the Section VIII Scope Deliberation Report and sent this document to industry at the beginning of 2021. The response from the refrigeration industry was received just before the May Code Week. More discussion is planned for the August meeting. ASME’s plan is to resolve the issue and publish the scope revisions in the 2023 code edition.
    - ASME is still working on a code revision that will clarify the mandatory evaluation of external loads on standard flanges. The proposed code revision will allow the use of three evaluations methods (the current UG-44(b) and 4.16.12 methods from Brown, plus a new method from Koves) and provides a reference to EN 1591 for evaluation of external loads on standard flanges.
    - The Sub Group General Requirements (SGGR) is developing rules for Engineering Contractors, including a proposal for a new Data Report form U-1B. Engineering Contractors are vessel Manufacturers that may or may not have fabrication facilities. This item was discussed in detail at the SGGR May meeting. It was decided that the representative from the International Working Group – Germany (initiator of this item) will provide the revised proposal for the next SGGR meeting,
    - The Committee is working on a proposal that will provide the rules for the design of components that operate at high temperatures in the time dependent regime (creep). When completed, these rules will help designers of large Section I boilers and specific process vessels designed per Section VIII, Div. 2.

- ASME BPV Section XIII
  - It was confirmed that the Board approved for publication the new ASME BPV book, Section XIII Rules for Overpressure Protection. The book is scheduled to be published with the 2021 edition of the ASME BPVC.
- CSA B51
  - The CSA B51 Technical Committee (TC) met virtually on May 27th, 2021. Highlights include:
    - The B51 Technical Sub Committee (TSC) on Modernization reported the progress of the project. The focus is on development of conformity assessment rules for new construction and reorganization of the B51 code. TC discussed the report and provided directives for further TSC on Modernization work.
    - In addition to the modernization project, CSA B51 Technical Committee and TSCs work on many code revision and new rule proposals. Notable items are:
      - Introduction of impact testing requirements for commonly used carbon steel materials (e.g. SA-105, SA-106, and SA-234), with the goal of addressing low toughness issues of carbon steels in CSA B51;
      - Replacement of the Statutory Declaration form with the Declaration of Conformity form for fittings and revision of the code requirements related to this change;
      - Development of a proposal to reference the ISO 16528 Standard Boilers and Pressure Vessels in CSA B51;
      - Revision of rules for blow-off vessels;
      - Revision of rules for anhydrous ammonia vessels;
      - Introduction of requirements for pneumatic testing of pressure equipment;
      - Collaboration with the European Standards Bodies to investigate under what conditions European Standard EN 303-5 for heating boilers can demonstrate an equivalent standard of safety as codes and standards currently adopted by CSA B51.

#### 4.6. Council Updates

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

- Working group chairs were asked to review their working group lists at the end of the agenda and send any updates to Allison, along with contact information for non-sub-council members. Council staff will ensure everyone on the working groups are invited to the special sub-council meetings.
- Working group procedures can be found on the home page of the member portal. This document is what guides the working groups instead of individual terms of reference documents.
- Services are still being offered remotely by Council staff. It was noted that no decision has been made about the location of the September meeting; at this point, plan on a virtual meeting.
- Allison is now the main contact for the PESC, please make sure to remove Jennifer from your emails.

## **5. Meeting Finalization**

### **5.1. Round Table**

*Nothing was reported.*

### **5.2. Next Meeting**

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

### **5.3. Meeting Adjournment**

The meeting was adjourned at 12:08 p.m.

**– MOTIONS –**

**1.1 Agenda Adoption**

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

**1.2 Adoption of the May 6 Minutes**

**Billy Lee / Robert James moved to adopt the minutes of the May 6, 2021 meeting, as circulated; CARRIED**

**4.2.2. Pressure Welders**

**Billy Lee / Nyssa Moore moved to support the master form concept and database with ongoing work from the Pressure Welders working group and ABSA; CARRIED**

**4.2.4. PESR In-Service Equipment**

**Geoff Kutz / Billy Lee moved to submit IB13-005 as amended to ABSA for their consideration; CARRIED**

**– WORKING GROUP MEMBER LISTS –**

<b>WORKING GROUP</b>	<b>WORKING GROUP MEMBERS (<u>Chair</u>)</b>
Power Engineers	<u>David Miller</u> , Bert Boulet, Henry Hau, Tony McWhannel, Danielle Woroniuk, Jim Rice, Mike Lyne, Todd Loran, John Wolff 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, 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 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