



# Safety Codes Council

## MINUTES OF THE FIFTH PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2017 IN CONJUNCTION WITH SPECIAL WORKING GROUP MEETINGS #2

**DATE:** September 7, 2017

**TIME:** 9:00 a.m. to 2:00 p.m.

**LOCATION:** Radisson Hotel, Edmonton

**PRESENT:** **Sub-Council Members**  
Izak Roux, Chair  
Mike Clancy  
Dr. Magdi Ghobrial  
Henry Hau  
Billy Lee  
David Miller, Vice Chair  
Grant Peuramaki  
Jacques St-Onge  
John Wolff  
**Alberta Boilers Safety Association (ABSA)** Mike Poehlmann Administrator,  
Djordje Sronic, Robin Antoniuk, Jason Reinhart, John Siggers

**Alberta Municipal Affairs**  
Allan Hantelmann Technical Advisor, Bohdan Yard

**Safety Codes Council**  
Susan Rossmann

**GUEST:** Matt Yarmuch, Rick Walmsley, John Valens

**REGRETS:** Brian Grantham  
Marvin Kossowan  
Geoff Kutz, Vice Chair  
Todd Loran  
Ward Wagner

**RECORDER:** Sandi Orr

**2017 MEETINGS:** Oct 12, Dec 7

## **1. Meeting Opening**

The Chair called the meeting to order at 9:04 a.m. and a round table introduction was held. Members were reminded that today is a Special Meeting, with the Working Groups meeting from 10 am to 12 noon.

### **1.1. Agenda Adoption**

**Mike Clancy / Henry Hau moved that the agenda be adopted as circulated; CARRIED**

### **1.2. Previous Minutes**

#### **1.2.1. Adoption of June 22, 2017 Minutes**

**David Miller / John Wolff moved to adopt the minutes of June 22, 2017 as circulated; CARRIED**

## **2. Matters for Decision**

### **2.1. Power Engineers Regulation Recommended Changes**

It was reported that there was nothing new to bring forward with regarding to the Power Engineers Regulation. The Working Group is still reviewing some of the administrative items.

The Technical Advisor reported that there is minimal time for any sort of consultation on major issues. Some of the items identified in the recommendations could possibly be addressed through a Variance or Information Bulletin. Frustration was expressed regarding the potential of many items not being included, particularly since the Working Group has been diligently working on this for quite some time. This will be further discussed during the Working Group meeting. It was suggested this be brought back after the Working Group meeting to determine how to bring this issue forward to the Council and Municipal Affairs.

The Chair reported that he has been approached regarding the need for some sort of a Continuing Education component and whether this should be included in the Regulation. Concern was expressed from a safety perspective if Power Engineers are not keeping up with current technology. It was suggested by Municipal Affairs that this be addressed outside of Regulation. It was further suggested that this would require a lot of support from industry and may need to be started on a voluntary basis. Henry Hau reported that he would take this back to the Alberta Institute of Power Engineers (AIPE) for further discussion. [Hau]

Concern was expressed regarding the cost of a program of this nature, particularly since the Regulation already requires the employer to ensure the employee is competent to do the work. Examples were provided of where continuous education opportunities are already taking place. It was also noted that this process does not need to be an onerous one and could include upgrading courses that employees are already required to do.

The Chair also reported on a question asked of him regarding the difference in roles of the Chief Power Engineer and the Chief Inspector, and how they work together. The Administrator reported that this has been a recurrent concern over the years as company personnel and organization structure change and examples were provided of how industry delineates between the two, typically done through company policy. While both the Chief Inspector and the Chief Engineer have responsibility for the integrity of boilers the Chief Power Engineer is accountable for safe boiler operation.

## **2.2. Matrix Request Correspondence**

When looking at the matrix, organizations are identified as nominating organizations for each industry segment. The Chair reported on correspondence received from the Upstream Chief Inspectors Association (UCIA), requesting a review of the nominating organization for the Petroleum industry segment. Currently GPAC is the nominating organization and although the Council has reached out several times, they are uncertain if there is any value in having a seat on the sub-council. It was questioned regarding whether CAPP was also considered. It was stated that UCIA's focus is on safety and may be the most appropriate.

**John Wolff / Mike Clancy moved to recommend to the Board a revision to the Pressure Equipment Sub-Council matrix to change the Petroleum industry segment's nominating organization to the Upstream Chief Inspectors Association (UCIA); CARRIED**

## **3. Matters for Discussion**

### **3.1. Working Group Reports**

The working groups met individually from 10:00 a.m. to 11:00 a.m. and from 11:00 a.m. to 12:00 noon.

#### **3.1.1. Pressure Welder Working Group**

The following was reported from this morning's working group meeting:

- AWOC reported on feedback from the industry survey; some feedback on economic side and some on the codes and standards side
- Talked about differences of who can weld and who can't between provincial jurisdictions and the Working Group will be looking at the Regulations and other trades that allow supervised apprentices to do the work
- Feedback received on Tack Welders
- Looking into whether a standard basic qualification test can be done for welders, that would be consistent across Western Canada

#### **3.1.2. Power Engineers Working Group**

The following was reported from this morning's working group meeting:

- Continuing to review the Power Engineers regulation, working on whether there is justification to try to push some changes forward
- The Chair of the Working Group will be working with the Technical Advisor on the process to move things forward
- Parked items were also reviewed

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

The following was reported from this morning's working group meeting:

- The proposal to establish exemptions for Thermal Liquid Heating System is being reviewed
- Discussion was held regarding the two Information Bulletins published in July 2017 regarding Sections I and VIII. These changes are being monitored to see if any changes to regulation need to be proposed

### 3.1.4. PESR – In-Service Inspections Working Group

The following was reported from this morning’s working group meeting:

- A review was held of the draft Accident / Incident Reporting document with the goal of reconciling feedback. The concept will be presented at the Chief Power Engineers’ Conference

### 3.2. ABSA/Administrator Report

The Administrator reported the following:

#### Incidents

Four incidents were reported since the last PESC meeting.

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2017-08-02	0	0	A flange gasket leaked process fluid from a treater vessel resulting in a fire.	Yes
2017-07-12	0	0	Gas leaked from a flanged joint resulting in a fire. The fire was extinguished and there was no consequential damage.	Yes
2017-07-11	0	0	Lightning strike caused a fire at a separator building, damaging the pressure equipment inside.	No
2017-06-20	0	0	Through wall corrosion on the drain line of a fuel gas scrubber allowed process fluid to escape. Operators discovered the leak and initiated an emergency shut down of the unit, preventing a fire from occurring.	Yes

#### Information Bulletins Issued / Revised

IB17-010 Notice of Deregistration

IB17-011 Use of 2017 Edition of ASME BPV Code, Section I PESR

IB17-012 (VA17-004) Use of 2017 Edition of ASME BPV Code, Section VIII, Division 2

PESR IB17-013 Power Engineer Foreign Operating Experience PER

IB17-014 Power Engineering Courses Satisfactory to the Administrator

PER IB17-015 Risk-Based Inspection Requirements for OU PEIM Systems

PESR IB17-016 Quality Management Systems for Pressure Piping

Construction PESR IB17-017 Historical Boilers Requirements PESR

#### AB-500 Documents Issued / Revised

AB-518 “Pressure Piping Construction Requirements” Edition 8, Revision 0

AB-505 Risk-Based Inspection Requirements for Pressure Equipment Edition 2, Revision 2 AB-534

Harmonized Requirements for Historical Boilers, Edition 1, Revision 0

#### Report from Code Meetings – ASME Code week August 7 to 11.

ASME Boiler Code week was held in Minneapolis, Minnesota from August 7th to 1st, 2017. A few notable topics are:

- Section IV is proposal to remove the minimum thickness requirements throughout the code is still being discussed.

- Still working on the Code Case that would allow organizations to build Section VIII, Div. 2 class 1 vessels until the organizations next ASME joint review.
- Development of Section XIII (Overpressure Protection) continues. Substantial progress was made on developing the initial draft of the Section XIII book. It is anticipated the first edition of Section XIII will be published in 2019.
  - Scope of Section VIII, Division 1 will be revised in 2019 edition.
  - Proposal for lowering allowable stress values for Gr. 91 materials (up to 19 %) is currently out for letter ballot.

It was questioned if any changes will be needed to the PESR as a result of the revisions to the Scope of Section VIII, Division 1. It was clarified that since the PESR does not rely on the ASME Code to determine which pressure vessels are subject to the legislation, the revision to the scope of Section VIII, Division 1 does not affect the scope of the PESR.

It was requested that the PESR – Codes and Standards, Design Survey/Registration and New Inspection Working Group and the PESR – In-Service Inspections Working Group begin discussions regarding the implications of the proposed change for lowering allowable stress values for Gr. 91 materials to identify concerns and recommendations to address the concerns. [Ghobrial / Wolff]

#### Report from ACI/B51 & B52 TC Meetings – August 21 to 24.

The Association of Chief Inspectors August 21 and 22.

- National Board Data Report registration
- Atlantic welder mobility
- Canada Free Trade Agreement – standardized vs non-standardized power engineer certificates
- SOPEEC – project to develop one multiple choice examination paper at second class level
- CRN Harmonization
- Clarification of closed meetings

CSA B52 Technical Committee meeting on August 22

- New edition due 2018
- Mechanical joints - “listed” vs CRN
- Considering replacing table 1 with reference to ASHRAE 34

CSA B51 Technical Committee meeting on August 23

- New edition 2019. Items to be considered include:
  - Additional CRN (new) format for design using alternative methods “ALTX####.#X”
  - UL 132 valves instead of ASME valves on propane tanks in B149.2
  - Initiative to update the CSA B51 Manufacturer’s Data Reports in 2019 Edition. This update will be developed in conjunction with ACI initiative for NB data Report registration.
  - Boiler and PV CRN will have the second letter AA0001.2 after Alberta issues Z9999.2. It is expected that this will occur in next 2 to 3 years.

### **3.3. Safety Codes Council Report**

Susan Rossmann reported that she has now fully integrated into her role as the Manager of Stakeholder Relations, supported by Allison Karch and Gerry Letendre.

### 3.3.1. New Member Orientation & Effective Meetings Workshop

It was reported that the New Member Orientation and Effective Meetings Workshops will be held on November 28 and 29, 2017 at the Radisson Edmonton South. New Member Orientation is mandatory for all new members. The Effective Meetings Workshop is new and members were encouraged to participate. An Appeals Training Workshop is being planned and further details will be provided at a later date.

### 3.3.2. New Office

The Council will be moving in April 2018, just a few blocks down the street from their current office.

### 3.4. 2018 Meeting Dates

The 2018 meeting schedule will be worked on, based on a similar timeline as the previous year and members will be advised. [Roux / Rossmann / Orr]

### 3.5. Representative from Welders Union

Members were reminded that a review is conducted when three consecutive meeting absences occur. An existing concern regarding member attendance is being addressed by the Council.

## 4. Review Matters Arising/Action List

Date	Action	Responsible	Status/Update
Nov 24, 2016	Further discussion about ASME task group looking at allocating risk during the design stage	Roux	Ongoing
Jan 12, 2017	Follow up on review of Policy 4.20 Certification Levels – Pressure Equipment based on recent appeal (policy references certification that no longer exists)	Ziarko	Update requested
May 4, 2017	P.Eng., P.L.(Eng.) and P.Tech.	Hantelmann	Meeting scheduled in November 2017
June 22, 2017	Draft document to the Integrity In-Service Inspection Group for further feedback (Incidents/Accidents)	Kutz/Antoniuk	In progress

## 5. Meeting Finalization

### 5.1. Meeting and Agenda Feedback

An overview was provided of the action items coming from this meeting.

### 5.2. 2017 Meetings

It was reconfirmed that the remaining 2017 meetings will be held on October 12, 2017 and December 7, 2017.

### **5.2.1. 2018 AGM**

The 2018 AGM and conference will be held from May 30 – June 1 at the Rimrock Hotel in Banff. Speaker topic suggestions are always welcomed.

### **5.3. Meeting Adjournment**

**Mike Clancy / Grant Peuramaki moved that the meeting be adjourned; CARRIED**

The meeting was adjourned at 2:00 p.m.

--- NEW ACTION ITEMS ---

**2.1. Power Engineers Regulation Recommended Changes**

Henry Hau reported that he would take this back to the Alberta Institute of Power Engineers (AIPE) for further discussion. [Hau]

**3.2. ABSA/Administrator Report**

It was requested that the PESR – Codes and Standards, Design Survey/Registration and New Inspection Working Group and the PSER – In-Service Inspections Working Group begin discussions regarding the implications of the proposed change for lowering allowable stress values for Gr. 91 materials to identify concerns and recommendations to address the concerns. [Ghobrial / Wolff]

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--- MOTIONS ---

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**5.3. Meeting Adjournment**

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