



# Safety Codes Council

## MINUTES OF THE SECOND PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2017

**DATE:** March 30, 2017

**TIME:** 9:00 a.m. to 2:25 p.m.

**LOCATION:** Radisson Hotel, Edmonton

**PRESENT:** **Sub-Council Members**  
Izak Roux, Chair  
Mike Clancy  
Dr. Magdi Ghobrial  
Brian Grantham  
Marvin Kossowan  
Billy Lee (arrived at 10:00 am)  
Grant Peuramaki  
Jacques St-Onge  
Ward Wagner  
John Wolff

**Alberta Boilers & Safety Association**  
Mike Poehlmann, Administrator & Chief Inspector, Jason Reinhart, Tom Leming,  
Robin Antoniuk, Po Fok

**Alberta Municipal Affairs**  
Allan Hantelmann, Harry Li

**Safety Codes Council**  
Allison Karch

**REGRETS:** Geoff Kutz, Vice Chair  
Todd Loran  
David Miller, Vice Chair

**RECORDER:** Sandi Orr

**2017 MEETINGS:** May 4, Jun 22 (Special), Sep 7, Oct 12 (Special), Dec 7

## **1. Meeting Opening**

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

### **1.1. Agenda Adoption**

The following items were added to the agenda:

- 2.8. Dr. Sauer Award
- 2.9. Matrix Update – Oil Sands

**Marvin Kossowan / Ward Wagner moved that the agenda be adopted as amended; CARRIED**

### **1.2. Previous Minutes**

#### **1.2.1. Adoption of January 12, 2017 Minutes**

**Brian Grantham / John Wolff moved to approve the minutes of January 12, 2017 as circulated; CARRIED**

Clarification was provided regarding the process of publishing the minutes. Efforts will be made to get these onto the portal as quickly as possible. A brief discussion was held regarding the matrix and it was clarified that the item will be brought back after a decision is made by the Board.

## **2. Matters for Decision**

### **2.1. Pressure Welders Working Group**

Izak Roux reported the following:

- Met in early February, as well as this morning
- Reviewed status of Tack Welders and Welder Examiners
- AWOOC is completing a survey
- Working Group is reviewing regulations internally
- Discussed current syllabus for examiners and potential changes may be brought forward

### **2.2. Power Engineers Working Group**

#### **2.2.1. Power Engineers Regulation**

John Wolff reported on today's working group meeting:

- A thorough review was conducted of the three-column document, which outlines issues and feedback from the Power Engineers Regulation
- The working group wished to recommend that the sub-council accept the recommended changes for the next review of the Power Engineers Regulation

Concern was expressed regarding the process. Some sub-council members were not comfortable with accepting the recommendation without the opportunity of a thorough review.

The updated documents will be included in the portal for everyone's review prior to the next meeting.

[Karch / Hantelmann / Clancy]

The Council will advise everyone when the documents are uploaded.

[Karch]

### 2.3. PESR- Codes & Standards, Design Survey/Registration and New Inspection Working Group

Dr. Magdi Ghobrial reported on their meeting on March 9, 2017. Discussion are being held with the continued issues relative to carbon steels. B31.1-2016 and B31.5-2016 were reviewed. The Existing IB-018 was reviewed.

#### Dr. Magdi Ghobrial / Mike Clancy moved to endorse the existing IB 16-018 – Concerns about Carbon Steels with Low Toughness Properties; CARRIED

The following documents were circulated as information:

- ASME Section 1, 2017 Proposed Major Changes
- Section VIII-2-2017 Major Changes

#### 2.3.1. Adoption of Codes ASME B31.1-2016 & B31.5-2016 (F.3.05.16)

It was reported that there is nothing significant in the newest editions of the ASME Standards.

#### Dr. Magdi Ghobrial / John Wolff moved to recommend to the Minister through the Board, the adoption of the ASME B31.1-2016 & B31.5-2016 as published; CARRIED

### 2.4. PESR – In-Service Inspections, Repairs & Alterations and PEIM Working Group

It was reported that the working group has not met since the last meeting.

A brief discussion was held regarding fitness for service and a very draft document that being put together. It was clarified that this is not yet ready for further discussion by the sub-council.

### 2.5. ABSA/Administrator Report

#### Incidents

There were 9 incidents reported since the last meeting, resulting in 2 injuries:

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2017-03-13	2	0	During maintenance of an ammonia system a worker inadvertently caused an isolation valve to partially open, releasing ammonia. Two workers were injured as a result of contact with the released ammonia.	Yes
2017-02-19	0	0	A through wall crack in a pressure vessel resulted in a loss of containment and fire.	Yes
2017-02-12	0	0	Firetube boiler furnace tube overheated and failed due to waterside fouling.	Yes
2017-02-12	0	0	During manual desanding of a separator vessel, the drain line became plugged and failed.	Yes
2017-01-26	0	0	During the hydrostatic pressure test of a pressure piping system, a valve failed in the test assembly used to connect the piping to the pressure source.	Yes
2017-01-24	0	0	A process heater overheated and failed during startup.	Yes
2017-01-13	0	0	A flash fire occurred in a compressor building.	No
2017-01-12	0	0	A gasket failed on a sour service oil treater.	Yes
2017-01-04	0	0	A fire occurred during the start-up of a compressor.	No

### **Information Bulletins Issued / Revised**

- IB17-003 Practical Examination for Renewal of Special Steam-powered Traction Engine Operators Certificate of Competency
- IB16-003 Rev. 1 Requirements for Engineered Pressure Enclosures
- IB17-002 Rev. 1 Quality Management Systems for Integrity Assessment Organizations

### **AB-500 Documents Issued / Revised**

- AB-521 Requirements for Engineered Pressure Enclosures, Edition 1, Revision 1 - annual update
- AB-515 Quality Management System Requirements for Integrity Assessment Organizations - editorial correction

### **Report from Code Meetings – ASME Code week February 13 to to 17.**

ASME Boiler Code week was held in Atlanta, Georgia from February 13th to 17th, 2017. A few notable topics are:

- The 2017 ASME Section VIII, Division 2 edition will include the introduction of construction of “Class 1” Vessels with a Design Margin of 3.0 with reduced requirements from the current Section VIII, Division 2 construction provisions. Construction of pressure vessels to the existing Division 2 provisions will be classified as “Class 2” Vessels. ABSA is working on a project to provide Division 2, Class 1 implementation guidance to industry and staff.
- The scope of ASME Section VIII, Division 1 is being revised to delete certain pressure vessel “exemptions”. These are to be replaced with a statement indicating the nature of vessels that “were considered when developing the rules”. An Appendix is being added to provide guidance on the use of the Code rules. This should have minimal direct impact on using the Code in Alberta since the legislation provides criteria for what is a pressure vessel and what is exempt.
- The proposed new Section XIII (Overpressure Protection) has received tremendous interest and support from the public and industry. The Standards committee formed 4 subgroups, with efforts to recruit new members proving to be very successful. The subgroup on general requirements alone has 25 members coming from six different countries. It is anticipated the first edition of Section XIII could be published in 2019.
- Various committees continue to examine concerns about common carbon steel materials with low toughness values. The latest proposal is to increase the minimum design temperature these materials can be used at without impact testing. No code changes are likely to be made to address the concern until 2019. A task group comprising ABSA staff, PESC members and industry representatives are working to develop an Alberta position that can be implemented to provide guidance on the safe use of these materials until the code is revised.

The floor was opened for discussion and the following was noted:

- Regarding name plates, it is believed Division 2 vessels will be identified as U2CL1
- With only 0.1% of vessels in Alberta are Division 2, it would appear there is not a lot of experience with Division 2 and more training is likely needed
- A recommendation has been made to National Board to include a module on Division 2 for Authorized Inspectors
- Clarification was provided on what Section 13 is likely to look like
- It is understood that the new Code will not be defining what a pressure vessel is and this will be up to each jurisdiction

## 2.6. TCC Report

The Chair provided the following overview from the last TCC Meeting:

- Presentation and consultation on Builder Licensing System
- Business Plan update
- Professional Development update
- Next meeting is scheduled in October

The Chair brought forward concerns regarding the changes to the Gas Variance for uncertified equipment. It is believed that arrangements have been made between Geoff Kutz and the Gas Sub-Council Chair to provide a presentation at the May 2017 meeting of the Gas Sub-Council.

## 2.7. Registration Exemption for Category A, B, C & G Fittings

The Administrator and Chief Inspector introduced the topic for future discussion. Manitoba has recently gone in the same direction as Saskatchewan and British Columbia by issuing a registration exemption for Category A, B, C and G Fittings. Background was included in the portal as information.

It was reported that most jurisdictions only do an administrative review and Alberta's is a technical review. Technical issues have been found with these types of fittings during the technical review.

Further research could be conducted to gather more statistics and how often issues are found during the first technical review that could justify the continued need for a technical review in Alberta.

[Poehlmann]

## 2.8. Dr. Sauer Award

A brief update was provided on the Dr. Sauer Award. Although the deadline was yesterday, members were encouraged to keep this in mind for next year.

It was reported that each of the sub-council members should have received their invitation to the Conference in June.

## 2.9. Matrix Update – Oil Sands

It was reported that the changes to Policy 9.50 - Matrices were approved by the Board and the Council is in the process of seeking nominees.

## 3. Review Matters Arising/Action List

Date	Action	Responsible	Status/Update
Nov. 24, 2016	Working group meeting notes, reports, and correspondence must be submitted to Council Administration	Working Group Chairs	Just a reminder, remove from action list
Nov. 24, 2016	Provide 3-column document on amendments to the Power Engineers Regulation to the Chair	Miller/Roux	Completed, remove from action list
Nov. 24, 2016	Further discussion about ASME task group looking at allocating risk during the design stage	Roux	Information gathering stage

Jan. 12, 2017	Follow up on review of Policy 4.20 Certification Levels – Pressure Equipment based on recent appeal	Karch	Remains outstanding
Jan. 12, 2017	Work with ABSA to bring forward a redraft of IB-16-018	Roux/Ghobrial/Lee/Kutz/ Kossowan/Hantelmann/ Soltaninia	Completed, remove from action list
Jan. 12, 2017	Provide feedback on proposed changes to Power Engineers Regulation	All	

#### **4. Meeting Finalization**

##### **4.1. Review Actions to be taken**

An overview was provided of the new action items that arose from today’s meeting.

##### **4.2 Meeting and Agenda Feedback**

Positive feedback was received regarding the meeting.

Members were advised that the Interprovincial meeting of Power Engineer curriculum is in Montreal from June 18-21, 2017. These meetings are open to educators and industry.

##### **4.3 2017 Meetings**

The following meeting dates were reconfirmed:

- Thursday, May 4
- June 1 – Annual General Meeting – Banff
- Thursday, June 22 (Special Meeting)
- Thursday, September 7
- Thursday, October 12 (Special Meeting)
- Thursday, December 7

##### **4.4 Meeting Adjournment**

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

The meeting was adjourned at 2:25 p.m.

--- NEW ACTION ITEMS ---

**2.2.1. Power Engineers Regulation**

The updated documents will be included in the portal for everyone's review prior to the next meeting.

[Karch / Hantelmann / Clancy]

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[Karch]

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[Poehlmann]

--- MOTIONS ---

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**Dr. Magdi Ghobrial / John Wolff moved to recommend to the Minister through the Board, the adoption of the ASME B31.1-2016 & B31.5-2016 as published; CARRIED**

**4.4 Meeting Adjournment**

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