



**MINUTES OF THE
FIRST PRESSURE EQUIPMENT
SUB-COUNCIL MEETING OF 2017**

DATE: January 12, 2017

TIME: 9:00 a.m. to 1:45 p.m.

LOCATION: Delta Edmonton South, Edmonton

PRESENT: **Sub-Council Members**
Izak Roux, Chair
Mike Clancy
Marvin Kossowan
Geoff Kutz
Todd Loran
Billy Lee
David Miller
Grant Peuramaki
Jacques St-Onge
Ward Wagner
Jim Weiss, Vice Chair
John Wolff
Alberta Boilers Safety Association (ABSA)
Mike Poehlmann, Administrator & Chief Inspector, Djordje Srnic

Alberta Municipal Affairs
Allan Hantelmann, Erin Black

Safety Codes Council
Allison Karch, Erin Stroud

REGRETS: Brian Grantham
Dr. Magdi Ghobrial

GUESTS: Barry Messer, Iulian Radu, Jason Davio

RECORDER: Sandi Orr

2017 MEETINGS: Mar 30 (Special), 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

David Miller / Ward Wagner moved that the agenda be adopted as presented; CARRIED

1.2. Previous Minutes

1.2.1. Adoption of November 24, 2016 Minutes

The process for reviewing minutes was reviewed to address concerns over the existence of more than one set of draft minutes. It was explained that the set of draft minutes in the portal is the final draft that should be reviewed.

It was suggested that the Council ensure that there is consistent naming of files. [Karch]

Marvin Kossowan / Ward Wagner moved to approve the minutes of November 24, 2016 as circulated; CARRIED

2. Matters for Decision

2.1. Matters for Decision

2.1.1. Matrix Review (F.2.02.15)

2.1.1.1. Oil Sands Membership

The Chair reported on his meeting with the Alberta Council of Turnaround Industry Maintenance (ACTIM). As there are only 3 member companies which represent oil sands groups and their mandate is more to manage labour rather than manage pressure equipment, it was suggested this may not be the most suitable nominating organization to represent the oil sands industry segment.

Another option considered was to work with ARPIA to create a sub-group of their members as their Chief Inspectors would represent about 80% of the oil sands operations.

The third option considered was the Association of Accredited Corporations. It was noted that all oil sands operating companies are represented and the sub-council can mandate the skills, qualifications and industry requirements of nominees. It was also noted that Council practice is to request two nominees from any nominating organization to provide the sub-council with the opportunity to select the most appropriate candidate.

It was further suggested that there is the Oil Sands Safety Association. It was noted that there has been no previous discussion nor research done relative to this association.

After an in-depth discussion of potential nominating organizations, the following decision was made:

Marvin Kossowan / David Miller moved to recommend to the Board a change in the Pressure Equipment Sub-Council Matrix Policy to designate the Association of Accredited Corporations as the nominating organization for the Heavy Oil / Oil Sands industry segment with the requirement that the nominee must have the necessary knowledge and experience in oil sands relative to pressure equipment; CARRIED

Being no further action by the sub-council at this time, this item will be removed from the agenda.

[Karch]

2.1.1.2. Review of Matrix Groups

Vice Chair Weiss circulated the final draft of the updated group segments. The Director of Corporate Strategy and Communications reminded the sub-council that although the guiding document may show a potential seat within any of the groups, the Board must approve any recommended changes to the Council Policy before any industry sector or nominating organization is added or changed.

It was questioned regarding the lack of participation from a member at large. It was clarified that this is at the Minister's discretion and that advertising for this position is in process. It was reported that approval is also sought from the individual's MLA before the Minister will approve the appointment.

Jim Weiss / Grant Peuramaki moved to accept the final draft of the guiding document of the Pressure Equipment Sub-Council matrix; CARRIED

Being no further action, this item will be removed from the agenda.

[Karch]

2.1.1.3. Policy Changes

It was reported that the recommendation from the previous minutes regarding the industry segment for "labour" is in the process of moving forward to the Board for approval. The new recommendation regarding the oil sands nominating organization will also move forward to the Board.

It was noted that several sub-councils are reviewing their matrices and all recommendations for changes to Policy 9.50 will be presented to the Board at one time.

This led to a discussion regarding Policy 4.20 – Certification Levels – Pressure Equipment based on a recent appeal. The Council will follow up on the progress of this item.

[Karch]

2.2. Appointments

2.2.1. Appointment of Chair

Vice Chair Jim Weiss chaired this agenda item.

The floor was opened for nominations for Chair. Izak Roux was nominated. After three calls and no further nominations, ***Izak Roux was appointed as the Chair of the Pressure Equipment Sub-Council, by acclamation, for a two-year term.***

2.2.2. Appointment of Vice Chair(s)

The floor was opened for nominations for two Vice Chairs. David Miller was nominated. John Wolff was nominated and graciously declined. Geoff Kutz was nominated. After three calls and no further nominations, ***David Miller and Geoff Kutz were appointed as Vice Chairs of the Pressure Equipment Sub-Council, by acclamation, for a two-year term.***

3. Matters for Discussion

3.1. Technical Matters for Discussion

3.1.1. Low Temperature Behaviour in Low Alloy C-Steel Material

Barry Messer of Fluor Engineering and Iulian Radu of the Alberta Pressure Piping Contractors Association were welcomed to the meeting.

Mr. Messer provided a presentation on Low Toughness – Carbon Steel Fittings, Forgings and Pipe. Failures are in the base metal with nothing relating to welding or grain boundary. Mr. Messer’s presentation was a synopsis of research conducted as a result of several failures of parts made of the subject material. He also reported on recommendations that have been made to private organizations and standards committees regarding modifications to the specifications or the terms of use of the existing specifications in order to minimize the safety risk associated with the use of the subject materials.

Mr. Radu presented additional information about local experience regarding the use of this material, as well as further explanation of the complex combination of factors that lead to poor toughness.

There was discussion following the presentations. The outcome of the discussions was the sub-council and ABSA should continue to monitor this issue and provide information to help industry.

It was recommend that the current Information Bulletin addressing this issue (<http://www.absa.ca/wp-content/uploads/2016/11/IB16-018.pdf>) should be revised because new knowledge has been attained since the Information Bulletin was published.

Izak Roux, Magdi Ghobrial, Billy Lee, Geoff Kutz, Marvin Kossowan, Allan Hantelmann, and Shahab Soltaninia of Fluor volunteered to work with ABSA to bring forward a redraft of IB-16-018 at the March 2017 meeting.

[Roux / Srnic]

3.2. Pressure Welders Working Group

A meeting is planned for some time in February 2017. Feedback from the upcoming AWOK meeting will feed into the working group discussions.

3.3. Power Engineers Working Group

3.3.1. Proposed Changes to Regulations

The 3-column document is being worked on for the proposed changes to the Power Engineers Regulation. The document will include the issue, the rationale for change and stakeholder impact. Erin Black explained the regulation adoption process and reported there is no drop dead date that the recommendations would need to be brought forward.

All members were asked to review the document and provide feedback to the Working Group Chair by January 31, 2017 so that the proposed regulation can be presented at the March 2017 meeting. [All]

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

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

This is still being worked on and a report will be provided at the next meeting.

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

The new Working Group Chair reported that he is trying to sort out the mandate for the working group and what issues need to be looked at. It was noted that the current Terms of Reference is available in the working group's folder.

3.6. ABSA/Administrator Report

Accidents/Incidents

- Three incidents reported since last meeting:

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2016-12-14	0	0	Fluid leaked into off-line compressor discharge piping and froze. Compressor cylinder was damaged by excessive pressure when the compressor was started.	No
2016-12-10	0	0	Pin-hole leak in branch connection weld to pressure vessel nozzle released small amount of hydrocarbon resulting in a fire. The nozzle had corrosion resistant overlay, but the branch connection did not.	Yes
2016-11-24	0	0	A control system malfunctioned releasing process fluids. The fluids igniting causing a fire.	Yes

Information Bulletins

An overview was provided on the following Information Bulletins that have been issued since the last meeting:

- IB16-018 Concerns about Carbon Steels with Low Toughness Properties (<http://www.absa.ca/wp-content/uploads/2016/11/IB16-018.pdf>)
- IB16-019 Use of ISO 16528 in Alberta (<http://www.absa.ca/wp-content/uploads/2016/12/IB16-019.pdf>)
- IB16-020 Power Engineers Regulation Equivalent Certificates (<http://www.absa.ca/wp-content/uploads/2016/12/IB16-020.pdf>)
- IB17-001 Quality Management Systems for Pressure Relief Devices (<http://www.absa.ca/wp-content/uploads/2017/01/IB17-001.pdf>)
- IB17-002 Quality Management Systems for Integrity Assessment Organizations (<http://www.absa.ca/wp-content/uploads/2017/01/IB17-002.pdf>)

AB-500 Documents

An overview was provided on the following AB-500 documents:

- AB-524 Pressure Relief Devices Requirements
- AB-515 Quality Management System Requirements for Integrity Assessment Organizations

The ABSA Annual Report was circulated as information.

It was questioned regarding tack welder certification and noted that a total of 40 have been tested with 37 successful, overall. In 2016, 6 were tested and all successful. No one has tested to the new syllabus.

Code Meetings

Next meetings scheduled for February 13 to 17, 2017. There has been a lot of final ballot activity on the 2017 edition items.

Djordje Srnic reported on the 140+ items that have been worked on of which some have been approved and others have not. An overview of the code updates included:

Section I – Modernization

- Part PA – Alternative Rules for Boiler Construction has been approved. It is expected to be included in the 2017 Edition of Section I. In essence, Part PA is adopting CC 2559 that allows the use of Section VIII, Div. 2 rules for construction of boiler components.
- Many items related to the Section I modernizations have not been approved yet (e.g. weld details). This will create the situation more complicated.

Section VIII, Div. 2 – Common rules

New construction:

- UDS, MDR for class 1 vessels
- Design requirements for class 1 vessels
- Section II, Part D will include new stress tables for class 1 vessels
- NDE, testing (hydro testing requirements), impact testing requirements, inspection, data reports
- Administrative requirements (U-stamp holder will be able to build class 1 vessels for the period of three years)
- Comparison of the four scenarios (Div. 1, Div. 1+ CC 2695, Div. 2 class 1, Div. 2 class 2) are being conducted

Post construction:

- Repairs and alterations
- Monitoring the number of cycles for Div. 2 class 1 vessels

ASME will be publishing on July 1, 2017. ABSA is hoping to have a final draft by February / early March. Once published, manufacturers can ask to use the new code and ABSA will need to manage that.

A discussion was held regarding some of the potential issues going forward and processes that might need to be put in place to manage this (e.g. traceability, maintenance, changes in design, etc.)

Section I will continue as is with only minor typically edits. Major restructuring is anticipated in the future. It was questioned if there is any mechanism to heighten awareness of what is coming over the horizon and it was clarified that the Code Update Seminar always includes 1 hour on what is on the horizon. It was suggested that perhaps this shouldn't be the only forum.

3.7. Council Organizational Changes

Erin Stroud provided an overview of Allison Karch's new role with the sub-councils as well as changes in roles of other staff members:

- Director of Operations: Tyler Wightman
- Director of Corporate Strategy and Communications: Erin Stroud
- Director of Strategic Projects: Gerry Baron
- Administrator of Accreditation: Peter Thomas
- Manager of Policy and Legislation: Vacant, being filled
- Manager of Stakeholder Relations: Vacant, being filled

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

Nothing new was brought forward.

4.3 2017 Meetings

The following meeting dates were established:

- Thursday, March 30 (Special Meeting)
- Thursday, May 4
- Thursday, June 22 (Special Meeting)
- Thursday, September 7
- Thursday, October 12 (Special Meeting)
- Thursday, December 7

4.4 Meeting Adjournment

Mike Clancy / Ward Wagner moved that meeting adjourned; CARRIED

The meeting was adjourned at 1:45 p.m.

--- NEW ACTION ITEMS ---

1.2.1. Adoption of November 24, 2016 Minutes

It was suggested that the Council ensure that there is consistent naming of files. [Karch]

2.1.1.1. Oil Sands Membership

Being no further action by the sub-council at this time, this item will be removed from the agenda.
[Karch]

2.1.1.2. Review of Matrix Groups

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2.1.1.3. Policy Changes

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[Roux / Srnic]

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--- MOTIONS ---

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4.4 Meeting Adjournment

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