



Safety Codes Council

MINUTES OF THE THIRD PRESSURE EQUIPMENT SUB-COUNCIL MEETING OF 2018

DATE: May 3, 2018

TIME: 9:00 a.m. to 1:25 p.m.

LOCATION: Radisson Hotel, Edmonton

PRESENT: **Sub-Council Members**
Izak Roux, Chair
Mike Clancy
Henry Hau
Gregory Gaudet
Marvin Kossowan
Todd Loran
Tony McWhannel
Nyssa Moore
Grant Peuramaki
Jacques St-Onge
John Wolff

Alberta Boilers Safety Association (ABSA)
Mike Poehlmann, Administrator, Djordje Srnica, Robin Antoniuk, Lou Petrusevski

Alberta Municipal Affairs
Allan Hantelmann, Bohdan Yard, Charlene Campo

Safety Codes Council
Allison Karch, Gerry Baron

REGRETS: Dr. Magdi Ghobrial,
Geoff Kutz, Vice Chair
Billy Lee
David Miller, Vice Chair
Ward Wagner

RECORDER: Sandi Orr

2018 MEETINGS: Jun 28, Sep 6, Oct 25, Dec 6

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 item was added to the agenda:

- 2.2. – Reappointment of Todd Loran until January 31, 2020

Henry Hau / Grant Peuramaki moved that the agenda be adopted as amended; CARRIED

1.2. Adoption of March 29, 2018

Grant Peuramaki / Henry Hau moved to adopt the minutes of March 29, 2018 as circulated; CARRIED

2. Matters for Decision

2.1. Volunteer Needed for SCO Continuing Education Working Group

Grant Peuramaki was appointed to the SCO Continuing Education Working Group as the Pressure Equipment Sub-Council representative.

2.2. Reappointment of Todd Loran until January 31, 2020

The letter of nomination from UCIA was included in the portal and reviewed.

Henry Hau / Mike Clancy moved to recommend to the Board the reappointment of Todd Loran to the Pressure Equipment Sub-Council, representing the Petroleum industry segment for a term until January 31, 2020, effective immediately; CARRIED

3. 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 UPDATE: Meeting next week	Roux	In progress
Sept 7, 2017	Take information about continuing education for Power Engineers to the Alberta Institute of Power Engineers for further discussion. UPDATE: Met with Executive Council and membership, consensus is that they support continuous education for Power Engineers. The Director of AIPE is in discussion with ABSA and consideration is being given to a 3-year cycle. This is also one of the topics at the National Power Engineers Conference in June.	Hau	

Date	Action	Responsible	Status/Update
Sept 7, 2017	Both PESR working groups to begin discussions re. the implications of the proposed change for lowering allowable stress values for Gr. 91 materials to identify concerns and recommendations to address the concerns.	Wolff / Ghobrial	In progress
Feb 1, 2018	It was requested that two members from the Design Working Group be added to the In-Service Task Group.	Ghobrial	Ongoing
Oct 12, 2017	Determine Status of Thermal Liquid Heating Systems in Pressure Equipment Exemption Order	Hantelmann, Yard	In progress
Feb 1, 2018	Continue to monitor low-carbon steel project.	Srnic	Ongoing
Feb 1, 2018	It was suggested that a new planning session be considered as well as a review of the Terms of Reference for all Working Groups. The Chair will discuss this with the Vice Chairs and will work with the Council to determine how this could be organized.	Roux / Miller / Kutz / Council Administration	Date established, remove from action list
Mar 29, 2018	Bring forward the sub-council's feedback for Policy Process flow chart changes. UPDATE: Brought feedback to the Department, dates or timelines will not be added as this needs to be applicable to all sub-councils	Yard	Completed, remove from action list
Mar 29, 2018	AWOC feedback will be added to the Portal. UPDATE: Allison Karch will follow up with AWOC	Council Administration	

4. Matters for Discussion

4.1. Fitness for Service Document

Lou Petrusevski, Coordinator of the Task Group, was welcomed to the meeting and provided an overview of the Fitness For Service (FFS) Task Group. Background was provided on the work done over the past couple of years to develop the Requirements for Alteration Design Registration Based on Fitness-For-Service (Version 5) and the consultations held with industry stakeholders throughout the process.

John Wolff reported that he participated on the Task Group and the document is well put together to meet industry needs.

The draft document, including revisions proposed by ABSA, was included in the portal. Each section of the document was reviewed, and the following was noted:

- Professional involvement was questioned, particularly relative to Level 1, as it is not always required. Reference was made to Section 9 of the PESR that states the safety codes officer can require professional involvement based on the size or complexity of a design or project. It was clarified a Fitness for Service Level 1 Assessment is only one part of the process.
- It was suggested there be consistency by using either “component” or “equipment”. It was noted that the definition which uses the word component is directly from the API Fitness for Service Standard.

- It was suggested the definitions be listed alphabetically
- Clarification was provided regarding the use of the term field inspector
- Clarification was provided regarding 3.1. f) to ensure that this cannot be left open-ended
- Clarification was provided regarding assessment limitations
- Regarding Root Cause Analysis or Damage Mechanism Identification, it was clarified that one of the two must be completed
- Regarding the owner's signing of documents, it was clarified if the entire package is signed by the owner, not every report within it needs to be signed
- It was suggested that finite element method (FEA) be corrected to read finite element analysis (FEA)
- Feedback was provided regarding the use of "Steps" within the Assessment Procedures
- Regarding the Owner's Statement, clarification was provided regarding the use of "should" instead of "shall" pertaining to the contents of the letter
- 4.3.9. was corrected to read: repair or re-rate...
- 4.4. c) was corrected to read: design
- Regarding 6.0, clarification was provided regarding the need to contact the ABSA SCO-field inspector prior to consideration for FFS alteration design. It was suggested that some wordsmithing is needed to this paragraph for better clarity.
- It was questioned if there will be another opportunity to review the final document and it was clarified that this will be the final review by the sub-council and the final professional editing and publication will be done by ABSA.
- Clarification was provided regarding changes in conditions and it was suggested that an additional statement within 3.0 Scope, Intent and Limitations be included
- It was noted that an IB document will be published to introduce this guideline and that an excerpt from the IB document can be added to this document

Lou Petrusovski and his Task Group was thanked for all their work on this document.

Gregory Gaudet / John Wolff moved to support the publishing of the Requirements for Alteration Design Registration Based on Fitness-For-Service (Version 5) with the recommended revisions; CARRIED

4.2. Working Group Reports

4.2.1. Pressure Welder Working Group

It was reported that there was no working group meeting since the last special meeting.

4.2.2. Power Engineers Working Group

It was reported work is being done to clarify acceptable qualifying experience (firing time) for power engineers that work in reduced supervision plant. Feedback is being gathered from industry on what their needs are. An in-depth discussion was held regarding what the intended outcome is, and it was agreed that the Power Engineers Working Group needs to discuss this in more detail and bring forward a recommendation to the sub-council.

[Miller]

4.2.3. PESR Codes and Standard, Design Survey/Registration and New Inspection Working Group

It was reported that a meeting was held last week. In the absence of a quorum, those in attendance agreed to continue to work and then provide this to the other working group members for feedback.

- Reviewing IB 17-011 – Use of 2017 Edition of ASME BPV Code, Section I. An overview was provided of the Working Group’s recommendations for revisions. It was noted that the ASME Code will become in force in Alberta in August 2018 and it is being recommended that the IB document be updated and published in time for the upcoming in-force date.
- A brief update was provided on other items the working group is discussing
- The next meeting is scheduled for May 14, 2018

It was requested that the Working Group minutes and recommended revisions to IB 17-011 be included in the portal for consideration of the sub-council supporting the recommended changes at the June 2018 meeting. [Snric / Council Administration]

4.2.4. PESR In-Service Inspections Working Group

A brief update was provided on the work currently being done by the working group.

4.3. AMA Report

The Technical Advisor provided a brief update on discussions with the AWOC Chair on some ideas that are being discussed regarding the pressure welder regulation amendments. AWOC has been encouraged to submit written proposed changes to Alberta Municipal Affairs.

Bohdan Yard reported on work being done with ABSA to address thermal liquid heating systems in the Pressure Equipment Exemption Order. This is expected to be the only change to the exemption order.

4.4. ABSA/Administrator Report

Accidents, Fires and Unsafe Conditions

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2018-04-23	1	0	A furnace explosion occurred during start-up of a power boiler. The operator was treated for burns.	No
2018-04-19	0	0	A heating boiler was destroyed by excessive heat from over-firing.	No
2018-04-13	0	0	Hydrocarbon leaked from a heat exchanger shell to channel joint resulting in a fire.	Yes
2018-04-15	0	0	Small bore piping failure on engine fuel gas piping released fuel gas to the building resulting in an explosion and fire.	No

Date Reported	Injuries	Fatalities	Description	Loss of Containment
2018-04-12	0	0	Heating boiler furnace explosion resulted in damage to the boiler casing.	No
2018-04-09	0	0	Sight glass in a weak acid cation water softener failed, resulting in a loss of containment.	Yes
2018-03-19	0	0	The contents in the depressurizing line from a pig receiver froze resulting in failure of the depressurizing line.	Yes

Information Bulletins Issued / Revised

- 2018-04-26 - IB18-007 - Reference Syllabi for Power Engineer Examinations

AB-500 Documents Issued / Revised

- None since last PESC meeting

CSA Code Activities

Current letter ballots

- 4420 New clauses 6.3.4.7 low clearance boiler installation
- 4424 I.2.1 minimum factor of safety for historical boilers
- 4425 6.2.2 reference to Annex I for historical boilers and new replacement boilers
- 4426 6.2.3 and I.10 – boiler loadings B31.1 high energy piping
- 4427 Annex K cold-stretch vessels

ASME Code Committee Activities

- The next ASME Boiler Code week is scheduled to be held in Dallas, Texas, May 7th to 11th, 2018

4.5. Council Updates

The following report was provided:

- Outlook meeting requests are being used to determine anticipated attendance
- All expense reports should be sent to Gerry Letendre (gerry.letendre@safetycodes.ab.ca)
- The conference is fast approaching, and members were encouraged to register if they have not already done so as the hotel is running out of room
- The Council office move is complete
- The June meeting will be at the Radisson
- The September meeting will be at the Council's new office

It was questioned regarding the survey and whether results have been compiled regarding start times. It was reported that this information has not yet been compiled into a report but this will happen over the summer.

4.5. Sub-Council Planning Session

It was agreed that a sub-council planning session would be held on Wednesday, October 24, 2018 in conjunction with the October 25th meeting. The Chair will work with the Vice Chairs and Council staff to plan the planning session. [Roux]

5. Meeting Finalization

5.1. Meeting and Agenda Feedback

An overview of new action items was provided.

5.2. Next Meeting

The next special meeting was reconfirmed for Thursday, June 28, 2018 at 9:00 a.m. in Edmonton at the Radisson.

5.2.1. 2018 AGM

Members were reminded of the upcoming 2018 AGM and conference being held from May 30 – June 1 at the Rimrock Hotel in Banff.

5.3. Meeting Adjournment

Jacques St-Onge / Gregory Gaudet moved that the meeting be adjourned; CARRIED

The meeting was adjourned at 1:25 p.m.

--- NEW ACTION ITEMS ---

4.2.2. Power Engineers Working Group

It was agreed that the Power Engineers Working Group needs to discuss acceptable qualifying time in reduced supervision plants in more detail and bring forward a recommendation to the sub-council. [Miller]

4.2.3. PESR Codes and Standard, Design Survey/Registration and New Inspection Working Group

It was requested that the Working Group minutes and recommended revisions to IB 17-011 be included in the portal for consideration of the sub-council supporting the recommended changes at the June 2018 meeting. [Srnica / Council Administration]

4.5. Sub-Council Planning Session

The Chair will work with the Vice Chairs and Council staff to plan the Planning Session. [Roux/Council Administration]

--- MOTIONS ---

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1.2. Adoption of March 29, 2018

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5.3. Meeting Adjournment

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