



Engineering Committee Meeting Report To Executive Committee

1. Engineering Committee

1.1 Current members

- ✓ Alan Zack, FM Global
- ✓ Carlton D'Souza, Northbridge Insurance
- ✓ Doug Pope, Allianz
- ✓ Paul Sterescu, BI&I
- ✓ Jacques O'Brien, Chubb
- ✓ Lawrence Graham, Intact
- ✓ Rajiv Wadhwa, Zurich
- ✓ Robert Davis, Chartis
- ✓ Scott McRiner (previously Constantin Tigleanu), Aviva
- ✓ Yan Huang, RSA, Engineering Committee Chair

1.2 2012 Member Changes

- Lawrence Graham from Intact was introduced as a new member on September 27, 2012;
- Roy Whynot, GTT OnSET attended the committee meeting as an observer on December 18 to present Axis Insurance. The membership is pending on an approval from the Executive Committee for Axis Insurance.
- Paul Sterescu chaired the Engineering Committee meetings, on March 7 and June 26.
- Yan Huang served as Vice Chair on March 7 and elected as Chair for the next 2-year term, starting from the meeting on September 27.

2. 2012 Committee Meeting Summary

2.1 The 1st Meeting March 7 (BI&I Office)

- Approved the previous Minutes of Meeting.
- Discussion on 2-year inspection frequency of hot water boilers (internal, accessibility, water treatment, inspection cost, losses, etc.);
- Discussed repair inspection requirements on boiler tube and tubesheet resealing (welding, qualification, hydrostatic test);
- Follow-up from TSSA's outstanding issues
 - *Status of CB&MUA application of change of inspection frequency for cushion tanks & hydro-pneumatic tanks*
 - *Memo of compliance to repair companies concerning proper QA procedures*
 - *Standard letter to Inspection companies explaining the owner of pressure equipment about their duties to allow the Insured Inspector access to the premises and to facilitate the process of inspection.*
 - *Official position of TSSA regarding the means to measure the water level in boiler is that boilers designed to have 2 means of detection should retain the same.*

- Free discussion: TSSA initiative to have the QC systems reviewed for the insurers and inspection agencies (one day, similar to NB 369, in-service inspection & opportunity to provide feedback)

2.2 The 2nd Meeting June 26 (BI&I Office)

- Approved the Minutes of Meeting on March 7.
- It is decided that going forward, the Chairs or designated members of Engineering and Reference Committees will attend each other's committee meetings.
- Discussion on internal inspection for the cast iron boilers (accessibility, water treatment and overheat repair).
- Al Zack made a formal presentation on large bullgears and gearless drives (aging, operation, maintenance, NDT inspection, and spares).
- Discussions on recent TSSA Advisory Council meeting and developments on RRG meetings
 - Licensing regime TSSA is akin to introduce; impact
 - Insurance Industry would not collect fees on behalf of TSSA
 - High TSSA overhead expenses and fee increase
 - Data collection from Insurance companies still not completed
- Follow up TSSA outstanding issues. Mike was not able to attend and sent us an email regarding some of the items in discussion:
 - Status of CB&MUA application for change of frequency of inspection for Cushion and Hydro pneumatic tanks
 - Mike Adams to send memo to repair companies requiring QA process be followed up during repair process
 - TSSA to issue a standard letter to Inspection Companies and Broker Association explaining the owner of pressure equipment about their duty to allow the Insured inspector access to the premises and to facilitate the process of inspection.
 - TSSA on the installation of a second means of determining the water level in a boiler - Discrepancies between OE act and BPV Act to be resolved.
- Open Discussions:
 - Protection on electrical apparatus and systems from the solar storm
 - Briefing on inspection topics from the 2012 National General Meeting, safe valve testing failure rate, new safe concerns on solar energy and biomass boilers.
 - tubes leaking for one year old Novatherm boilers
 - Concerns on bearing failures of York model YR screw type hermetic chillers (400-ton and 350-ton)

2.3 The 3rd Meeting September 27 (RSA Office)

- Approved the Minutes of Meeting on June 26;
- Constantin Tigleanu voluntarily attended the Conference Committee meeting on Sept 19 and provided updates on impact of solar storm and concerns over PCB.
- Updates on ACI (Association of Chief Inspectors) & CSAB51/52 Annual meetings, August 2012, with major changes in CSAB51 on Clause 12 and 13, on CSAB52 on mandated maintenance and inspection;
- TSSA provided updates on TSSA Meetings of BPV Data Task Group and Boiler Internal Risk Reduction Group;
- Reviewed the TSSA letter to Insurers dated August 17th, 2012 and Revision of Code Adoption Document dated August 27, 2012 on frequencies changes for cushion tanks and hydro-pneumatic tanks;
- TSSA B&PV Director reviewed the TSSA initiatives:
 - Code adoption document being updated;
 - Compilation of data on B&PV for integrity;
 - Pursue obtaining Certificate of Authorization from National Board to bring itself in line with other inspection companies operating in Ontario;

- QA review plan on all insurance agencies and other inspection agencies;
- Email address (insco@tssa.org) for reporting when policies are cancelled;
- Working on an initiative to “Getting the Word Out” through the Brokers and Real Estate Association to create awareness amongst the public on the owner’s responsibility for having the boiler and pressure vessel inspected;
- A 24 hour response test per ministry’s requirement;
- TSSA field inspectors for Operating Engineers and B&PV will work to identify B&PV requiring inspection and certification.
- TSSA procedure for disposal of B&PV and the disposal form available on the TSSA website.

2.4 The 4th Meeting December 18 (RSA Office)

- Approved the Minutes of Meeting on September 27;
- Jean-Guy provided updates on Reference Committee meeting with the main topics of Solar Storms and water damage policy wording;
- Presentation and discussion on PCB regulations and risk for insurance industry
- Brief on CB&MUA response to TSSA proposal with requirements for National Board Commissioned Inspectors and exemption for “grandfathered inspector”;
- Updates on TSSA B&PV Advisory Council meeting on December 13, 2012;
- Review of TSSA’s RRG group proposal for boiler internal inspection frequencies with key elements and recommended discretions. This change is based on CB&MUA request;
- Updates on TSSA Code of Adoption, to include the recent amendments, code changes and technical bulletins;
- TSSA B&PV Director reviewed the QC review results for the insurers and inspection agencies, NB commission requirements and continuing education, database and kinds of objects, possible licensing regime, and a request to the CB&MUA insurers to submit the number of inspections of the boilers and pressure vessels in 2012. Such submission to TSSA should be January 15, 2013 (now moved to January 25);
- In open discussion, TSSA Application Form for Variance was reviewed and discussed. A change proposal was made between TSSA and members. A jointly agreed proposal was made (later it is confirmed and posted on the TSSA website).
- All participated members and guests convened for Christmas lunch at courtesy of CB&MUA.

3. 2012 Engineering Committee Highlights

- Focus on our members’ interests and concerns
 - Engineering Insurance
 - Risk control and loss prevention in mechanical & electrical equipment
 - Regulations in the insured exposures
 - Jurisdictional requirements
- Experience sharing in the loss prevention
- Partnership with TSSA B&PV Division