

Meeting Minutes
Association of Chief Inspectors
51st Annual Meeting – Ottawa, ON
August 25th and 26th, 2014

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Attendance	Representing
Tony Scholl	British Columbia / BCSA
Ken Lau	Alberta / ABSA
Chris Selinger (Vice Chair)	Saskatchewan / TSASK
Bruce Fierheller	Manitoba
Mike Adams	Ontario / TSSA
Aziz Khssassi	Quebec (Alt)
Madiha Kotb	Quebec
Dennis Eastman	Newfoundland and Labrador
Eben Creaser	New Brunswick
Steven Townsend (ACI Chair)	Prince Edward Island
Peter Dodge	Nova Scotia
Mathias Mailman	Northwest Territories
Muhammad Wani	Nunavut Territories
Yanpeng Wang (Host)	Canadian Nuclear Safety Commission

Associate members:	
Cathy Turylo	Ontario (Alt) / TSSA

Guests:	
Richard Allison	National Board of Boiler and Pressure Vessel Inspector
Allan Hantelmann	Alberta Municipal Affairs
Parkson Yeung (SOPEEC Coordinator)	Alberta / ABSA
Oreste Simonetta	CSA
Eli Szamosi	CSA
Ray Graves	Saskatoon Boilers

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Tom Simmons	Trans Canada Pipelines
Paul Sterescu	BI&I
Susana Katz	S. Katz and Associates
Kim Greenwood	Praxair Canada Inc,
Jim Weiss	Acuren
Andrei Blahoianu	Ontario / TSSA
Eric Steinson	IPE President

Presenters	
Heather Fairfield	IHS
David Scriven	Ontario / TSSA

Regrets:	
Paul Christensen	Yukon Territories
Myriam St-Georges	Quebec (Alt)
Don Ehler	Nova Scotia (Alt)
Glenn Cameron	National Energy Board
Shah Ahmad	National Energy Board (Alt)
Dave Douin	National Board of Boiler and Pressure Vessel Inspector

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ACI 51st Annual Meeting, August 25th to 26th, 2014
Ottawa, Ontario

Date: Aug 25/2014

Attendance	Representing	Member or Non-member	Full Time or Part Time	Initial
Allan Hantlemann	Alberta Municipal Affairs	Non-Member	Full	AH
Anthony Scholl	British Columbia / BCSA	Member	Full	AS
Aziz Khssassi	Quebec	Alt Member	Full	A.K.
Bruce Fierheller	Manitoba	Member	Full	BF
Cathy Turylo	Ontario / TSSA	Alt Member	Full	CT
Chris Selinger	Saskatchewan / TSASK	Member	Full	CS
David Douin	National Board of Boiler and Pressure Vessel Inspectors (NBBI)	Member		
Dennis Eastman	Newfoundland and Labrador	Member	Full	DE
Djordje Sronic	Alberta / ABSA	Alt Member	Full	JS
Don Ehler	Nova Scotia	Alt Member		
Eben Creaser	New Brunswick	Member	Full	EC
Glenn Cameron	National Energy Board	Member		
Jim Weiss	Acuren	Non-Member	Full	JW
Joe Raso	Ontario / TSSA	Non-Member		
Ken Lau	Alberta / ABSA	Member	Full	KL
Kim Greenwood	Praxair Canada Inc	Non-Member	Part	KG
Madiha Kotb	Quebec	Member	Full	M.K.
Matthias Mailman	Northwest Territory	Member	Full	MM
Mike Adams	Ontario / TSSA	Member	Full	MA
Mike Poehlmann	Alberta (Alt)	Alt-Member	Full	MP

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Attendance	Representing	Member or Non-member	Full Time or Part Time	Initial
Muhammad Wani	Nunavut	Member	Full	QW
Myriam St-Georges	Quebec (Alt)	Non-Member		
Oreste Simonetta	CSA	Non-Member		
Parkson Yeung (SOPEEC Coordinator)	SOPEEC / ABSA	Non-Member	FT.	RY
Paul Christensen	Yukon Territory	Member		
Paul Sterescu	BI&I	Non-Member	✓	
Peter Dodge	Nova Scotia	Member	FT	PL
Ray Graves	Saskatoon Boiler MFG. CO. LTD.	Non-Member		
Richard Allison	National Board of Boiler and Pressure Vessel Inspectors (NBBI)	Non-Member	FT	RA
Shah Ahmad	National Energy Board (NEB)	Alt Member		
Sorin Corlaci	Ontario / TSSA	Non-Member		
Steven Townsend (SOPEEC Chair)	Prince Edward Island	Member	F.T.	ST
Susana Katz	S. Katz and Associates	Non-Member		
Tom Slimmons	TransCanada Pipelines	Non-Member		
Vacant	Human Resources and Social Development Canada (HRSDC)	Member		
Yanpeng Wang (Host)	Canadian Nuclear Safety Commission (CNRC)	Member	F. T	YPW
John H Burpee	STATE OF MAINE NBBI - Bot Chair	Non-Member	FT	JHB
Brian Krasin	Asaleia Ltd	Honorary Member	FT	BK
Adenike Adeoti	Saskatchewan/TSASK	Non-member	FT	AD
KEITH MILLER	Husky Energy	Non-MEMBER	FT	KM
Reg Gillies	Saskpower	non-member	FT	RG
ELI SZAMOSI	CSA Group	non member	FT	ES

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name	company	title	email & phone No.
John Barpee	STATED FINE	Chief Bowler INSPECTOR	john.h.barpee 207-592 @MAINE.GOV 0631

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Monday, August 25, 2014

51.1.1 Chair Opening Remarks – Steven Townsend called for the start of the 2014 ACI meeting.

51.1.2 Welcome by Hosting Jurisdiction – Andrei Blahoianu, manager from CNSC, welcome everybody coming to Ottawa to attend the ACI meeting.

51.1.3 Appointment of Recording Secretary – The Chair appointed Parkson Yeung, ABSA to record the meeting discussions and minutes.

51.2 Membership Review

51.2.1 New Member for Nunavut – Muhammad Wani

Muhammad Wani introduced himself to meeting attendees.

Motion 1: Accept Muhammad Wani as new ACI member for NU was made by T. Scoll and M.Kotb

Carried (unanimous)

51.3 Approval of the 51st Annual ACI Meeting Agenda

Approved addition of three new business items:

A.51.3.4 Discussion on how the different jurisdictions deal with Manufacturers who refuse to submit Data reports – Madiha Kotb

A.51.3.5 Hydrogen fueling station guidelines – request for comments – Cathy Turylo

A.51.3.6 Festo request – quick survey for exemption of compressed air factory automation system – Cathy Turylo

Motion 2: Accept draft meeting agenda with three additional items was made by M. Kotb and B Fierheller

Carried (unanimous)

Attachments:

2014 ACI meeting draft agenda (D0430546 v5)

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51.4 Election of Vice Chair

This is a four year commitment with first two years as Vice Chair and then two years as Chair. Tony Scholl accepted the nomination.

Motion 3: *Accept Tony Scholl as the Vice Chair of ACI was made by C Selinger and E Creaser*

Carried (unanimous)

51.5 Adoption of the 50th Annual ACI Meeting Minutes

Madiha Kotb clarified that last year's ACI meeting minutes has not been sent to NPSAC.

Motion 4: *Accept 2013 ACI meeting minutes as presented was made by T Scholl and M Kotb*

Carried (unanimous)

Attachments:

2013 ACI meeting minutes (D0442515 v3)

A 51.6 Business Arising from the Minutes of the 49th Annual ACI Meeting:
51.6.1 (A 51.6.1 Action #1) Chair to send letter to HRSDC Membership to participate ACI meeting in Ottawa – Chair

Steven Townsend, ACI Chair, reported that he could not find any people from HRSDC to talk to. Peter Dodge expressed that several attempted were made but HSRDC showed no interest.

After a long discussion, it was concluded that ACI members were wasting their time.

Motion 5: *Give up seeking funding from HSRDC was made by M Kotb and E Ceaser*

Carried (unanimous)

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51.6.2 *(A51.6.2 Action from A49.5.1) SOPEEC development of risk based plant rating system – SOPEEC Chair*

Summary of discussion: A model has been developed by ACI and recommended to NPSAC. It is up to individual jurisdiction to adopt the model and NPSAC would do the impact study. The next step is the standardization of the certification system which includes the steam time (operation experience).

51.6.3 *(A51.6.3 Action #2) Chair to request NPSAC to consider to resend a previous Central Registration system for fittings proposal to CSA for review – Chair*

After discussion, ACI members agreed to request NPSAC to resend the CRN Harmonization Feasibility Study to CSA for consideration.

Action Item 1: *Eli Szamosi was actioned to send the February 2014 CRN Harmonization Feasibility Study to ACI members.*

Attachment: CRN Harmonization Feasibility Study prepared by SCC on behalf of Natural Resources Canada (#D0574310)

51.6.4 *(A50.6.4 Action Items 3 - 5) ACI Constitution; to review comment for proposed changes and updating of voting processes – Mike Adams*

Refer to agenda item A51.9.

51.6.5 *(A50.11.1 Action #6) working group to review and recommend requalification of Faber Cylinder beyond 15 years – Tony Scholl*

Discussion: Tony Scholl reported that there was not much progress and this agenda item will be continued in next year. It was reported that there are no standards for faber cylinders.

51.6.6 *(A50.11.2 Action #7) is non-metallic “repair” of piping system using ASME PCC-2 considered should be considered as an alteration? – ACI/TC*

Refer to A 51.10.2 ACO / TC report.

51.6.7 *(A50.11.3 Action #8) all jurisdictions to confirm their position regarding the changes of Initial Grade B Pressure Welder testing in AB – Ken Lau*

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Ken Lau reported that TIG root passed is allowed as an alternate option for initial Grade B Pressure Welder testing. The test method will be stated on the welder's card. This is not an issue any more.

51.6.8 (A50.11.4 Action #9) Agreement on CRN format – Mike Adams

Mike Adams reported that the CRN program has been modified to meet the requirements by their new IT group. All issued CRN numbers will be changed to meet the established rules.

51.6.9 (A50.11.5 Action #10) to review and recommend new bonding requirements for ASME Section IX – ACI/TC

Refer to A 51.10.2 ACO / TC report.

51.6.10 (A50.14 Action #11) to pursue HRSDC under AIT to provide an independent person/study to review and assess power engineer provincial certificate – SOPEEC Chair

Steven Townsend reported that this item is ongoing.

51.6.11 (A50.15.3 Action #12) all jurisdictions to provide their responses as how to package skid system are handled to RBQ – Aziz Khssassi

Aziz Khssassi reported that there still has issue as they can be very big and have lots fitting and/or pressure piping. CRN can deal with skid. Further discussion with the industry is needed.

Action item 2: *A sub-committee consists of Aziz, Cathy and Djordje will work on this agenda item.*

51.7 Review of Correspondence Received

51.7.1 - Chair

Steven Townsend reported that one letter from IPE was received. IPE request is covered under new business in A51.11.1

Attachment: *Letter from IPE President to SOPEEC Chair (D0512244)*

51.8 Members Updates and Accident Reports (Responsibilities and Directions)

51.8.1 Jurisdictions (BC, AB, SK, MB, ON, QC, NB, NS, PE, NL, YT, NT, NU)

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BC

- 1) Regulatory Changes
 - a. Review of Power Engineer and BPV regulation is Scheduled for 2015
- 2) Program Changes
 - a. Management Changes
 - i. New Position created – Director Safety Oversight, Safety Managers from all technologies report to this new position
 - b. Fees
 - i. Fee Review Underway for implementation Jan 1, 2015
 - c. Staffing
 - i. Recently staffed 3 boiler safety officer positions
 - ii. 2 boiler safety officer positions currently vacant
- 3) Major Activities
 - a. New Information System continues to be implemented
 - b. Natural Gas Industry – use of natural gas (both CNG and LNG) continues to expand in the province of BC. This includes using LNG as a fuel for transport trucks and other equipment.
- 4) Incidents
 - a. A total of 13 minor incidents were reported in the past year
 - b. 3 minor injuries were reported due to smoke inhalation after a fire occurred when a flammable substance leaked from a process vessel

AB

Incidents:

“The number of industry incidents for the reporting yearⁱ stands at 30. This is the lowest annual number for the last ten years, and less than one-half of the numbers for most years. Considering the increased deployment of pressure equipment in Alberta during this same period of time, the continued trend of low number of incidents speaks well of the combined effort of industry and ABSA as well as the pressure equipment safety programs in Alberta”ⁱⁱ. Also, “In reviewing the incidents, it was found that they were typically due to operator error or a lack of proper operation procedure or procedure not being followed.” One boiler incident merits special mention when feed water was allowed to enter an overheated boiler. Although no one was injured, the possible serious consequence was taken seriously with the management of the company resulting in not only actions taken against the operation personnel but also management completing a review of the company’s operation culture.

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Organization Change:

On the part of AMA, Ivan Moore, ADM of Public Safety Division, passed away unexpectedly early this year. And prior to that, Chris Tye, Executive Director of Public Safety retired middle of 2013 and he was succeeded by Alex Morrison. James Orr, Director of Mechanical Safety moved to a different position in the Ministry and his post was filled by Harry Li late 2013. We understand the ADM position will likely be filled shortly.

Ken Lau, the Administrator of Pressure Equipment Safety under the SCA and Chief Inspector of ABSA, is retiring September 15, 2014 and his dual role position will be filled by Mike Poehlmann following consultation between AMA and ABSA Board with support from industry. Mike has been appointed by the Minister of Municipal Affairs as the Administrator. We understand that Mike Poehlmann has been accepted by a recent National Board BOT meeting as the Member of National Board beginning September 16, 2014, allowing a seamless transition.

ABSA, we welcomed Gordon Campbell back at the end of 2013 full time in the role of General Manager following an absence of over one year while recovering from a traffic accident. Mike Poehlmann was acting General Manager during Gordon's absence. ABSA has also gone through reorganization over the last year and the well planned transitions included:

- Bill Litvinchuk stepping down from the Manager of Education and Certification and the position was taken up by John Siggers since late last year.
- Djordje Srnic has moved from the position of Manager of Design Survey and Engineering and became Manager of Standards just recently managing a smaller group with two senior engineers and Djordje's position is filled by Po Fok, who was the Lead Engineer in Design Survey previously. These changes were effective the first of August 2014.
- Robin Antoniuk took the place of Manager of Inspectors, the position vacated by Mike Poehlmann when Mike became Director of Engineering at the beginning of 2014.

All organization changes have been announced through ABSA website as well as in the ABSA Pressure News

Legislation Changes

1. Power Engineers Regulation (PER)

The Regulation was amended December 2013 with numerous changes, including introduction of certifications for traction engine operators and

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fired process heater operators, as well as special provision for reduced supervision of certain types of power plants, heating plants and thermal liquid heating systems. Please see ABSA website and the Pressure News articles for complete details.

2. Pressure Equipment Safety Regulation (PESR)

This Regulation was amended recently and we are pleased to advise that Alberta is up-to-date with the adoption of CSA and ASME Codes and Standards, including CSA B51-14, CSA B52-13 and the 2013 edition of the ASME B&PV Code. Also, for the first time, the latest ASME Section VIII Division 2 will be allowed for use in Alberta but there will still be special provisions for its use in the construction of pressure vessels for use in Alberta.

3. Pressure Welders Regulation (PWR)

The Regulation was amended recently with the introduction for the certification of “tack welders” as a result of industry’s request. As well, there is a provision for “Welding-Examiner-in-Training” certification being introduced. These new certifications will be in place October 1, 2014.

4. Pressure Equipment Exemption Order Regulation (PEEOR)

The Regulation has been amended mainly to reorganized allowing for better clarification and grouping as well as incorporating exemptions previously provided under PESR. The amended regulation allows clarification with one additional exemption for methanol injection pressure vessels used in pipeline applications.

Workload:

Because of the pressure equipment related industry activities, program delivery has been under extreme workload in the last little while. It is good to note that this has not impacted on pressure equipment safety as indicated in the number of industrial incidents. And ABSA has been able to deliver all programs effectively. In addition, more emphasize has been placed on communication and information dissemination, as evidenced not only in the ABSA website postings and The Pressure News, but more significantly, the large number of ABSA safety seminars with a record number of seminars delivered as well as a record number of attendees.

All in all, with all the changes, it has been a very successful year for pressure equipment safety program delivery in Alberta in the last year.

SK

(Report has not been received)

MB

1. Regulatory change;

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The new proposed Act is in second reading in the house (Bill 69). In the background we have been working on the new regulations that will fall under this Act

2. Program changes;
There has been a large growth in the engineering/quality assurance section of the office over the past reporting period.
3. Major activities;
There has been a large increase of activity in the oil sector in the SW corner of the province.

The office is working on documenting policies and procedures for consistent workflow. This will assist in our own processes and also benefit the stakeholders.

4. Incidents;
There have not been any major incidents with pressure boundary equipment over the last reporting period. All minor incidents have been with operator or maintenance issues.

No reported injuries.

ON

- 1) Regulatory Changes (recent or future directions)
 - a. Updated Code Adoption Document January 2014:
 - i. Clarified that thermal fluid heaters are considered to include pressure relief devices and gage glasses
 - ii. Increased the exempt pressure for buried water piping for snow-making systems from 600 psig to 740 psig (main reason for CAD update, as requested by Ski Advisory Council to BPV Advisory Council)
 - iii. Clarified maximum servicing interval for thermal fluid heaters is 3 years
- 2) Program Changes (Management, Fees, Resources, Scope, etc.)
 - a. BPV Fees increased an average of 3% in the second year of a 3-year fee increase schedule of 3%/year
 - b. BPV Inspection staff increased by 5 (4 inspectors, 1 tech specialist)
- 3) Major Activities (Current or future)
 - a. Major project underway to review how TSSA manages BPV safety in Ontario. Initiatives included:
 - i. a TSSA options analysis to the Ministry

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- ii. a 3rd Party contractor (KPMG, contracted by the Ministry) to undertake an options analysis (some ACI members should have been contacted)
 - iii. in depth review of scope regarding in-service inspections in Ontario (i.e. roles of TSSA and Insurers)
 - b. Second major project underway to review TSSA enterprise system with the goal of modernising to adopt “best of breed” approach
- 4) Incidents
- a. Jan 2014 – Steam Hose failure – 1 injury (steam burns, hospitalized but not admitted) – new hose, rated at 250 psig, failed at 180 psig within 90 minutes of operation – In dialogue with manufacturer
 - b. May 2014 – Chiller HX failed and leaked ammonia – 700-800 employees evacuated, no injuries – plant is in process of decommissioning, HX permanently taken out of service and portable means used for the duration

PQ

Regulatory changes:

- Quebec new pressure vessels regulation (developed under the Building Act) has been drafted and is currently being reviewed by legal counsel. The RBQ is targeting Spring 2015 to have it adopted. Some elements will be immediately implemented and some others, such as requiring installation contractors to have and put in place a quality control program will be phased in over a certain period of time;
- The RBQ will start updating its Stationary Enginemen Regulation, which will be incorporated in the same set of Regulation, as a second phase hopefully in 2015. SOPEEC recommendations on boiler capacity and class determination will be taken into consideration for possible incorporation into the Regulatory framework;
- Quebec’s NQ3650 Boiler, pressure vessel and pressure piping installation code, new 2013 edition is out and installers are required to use it. It reflects ASME and NBIC installation requirements with some minor adaptations. This code responds to the need for a French installation document for our local contractors.

Major activities:

- RBQ continues to have oversight on pressure retaining systems and components and all applicable operating procedures that will ensure the safe decommissioning of the Gentilly-2 nuclear plant. RBQ continues to provide AIA services to two ASME “N” type stamp holders and a number of N285.0 certified manufacturers in the province;
- RBQ ASME AIA renewal audit is scheduled for September 2014;

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- Many Carbon Dioxide (CO₂, R744) refrigeration systems have been installed in Quebec including some major arena projects. An RBQ engineer will be participating in a CO₂ working group for the CSA B52;
- Two inspectors and two engineers have obtained their “A” National Board commission. A third inspector is working on his OJT (supervised inspection) hours for the same commission;
- Two inspectors are scheduled to attend the National Board “B” commission course in September 2014;
- One RBQ engineer has been actively participating in the review of the French editions of CSA B51 & B52.

Incidents / accidents:

- One heat exchanger incident related to a processing error led to equipment damage. No injuries were reported.
- A total of four minor Ammonia leaks all occurred in arenas: Two were maintenance / system start up related, one was a compressor leak and the fourth one was overpressure protection valve release.
- One boiler incident (minor explosion) in Northern Quebec. Was maintenance / repair related. No injuries were reported.

NB

- 1) Regulatory Changes (recent or future directions)
New Brunswick has recently performed a regulatory review, minor revisions were incorporated and many redundant and antiquated requirements were eliminated.
- 2) Program Changes (Management, Fees, Ressources, Scope, etc.)
Department is performing process mapping with plans to implement Lean and Six Sigma philosophy.
- 3) Major Activities (Current or future)
Quite a bit of activity related to CNG and Digester Gas installations, and increased interest in biomass/pellet fired boilers.

Future changes to administrative side of service delivery and use of technology i.e. online permit applications and license renewals etc.

- 4) Incidents
No incidents of significance to report.

NS

- 1) Regulatory Changes (recent or future directions)

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The Safety Branch of the Nova Scotia Department of Labour & Advanced Education (LAE) has been reduced to two Divisions from three. It now consists of the Technical Safety Division (TS) and the Occupational Health and Safety Division. The former third Division, Office of the Fire Marshall, was moved to NS Dept. of Municipal Affairs. Two new Sections have been added to TS; Fuel Safety and Electrical Safety, which were formally a part of the Fire Marshall's Office. TS now consist of the following Sections: Boilers and Pressure Equipment, Power Engineers, Crane Operators, Elevators/Lifts and Amusement Rides, Fuel Safety and Electrical Safety. Building Codes Coordinator and the Fire Protection Design Engineer will remain under the Fire Marshall.

Phase two of the regulatory update is underway and nearing completion.

As of May 15, 2014, the Safety Branch has been housed in a new office building at 103 Garland Avenue, Burnside Industrial Park, Dartmouth. Those affected by the move were all Field Officers (OH&S and TS) covering the Halifax Regional Municipality (HRM), as well as Managers, Chief Inspectors, Equipment Design Surveyors, Licensing and Permits, and Support Staff. Directors, Executive Directors, Policy and Deputy Minister's Office will remain with the Minister at 5151 Terminal Road, Halifax. Staff from outside HRM remained in their respective satellite offices throughout the province.

A new Liberal Government was elected in October 2013 and a new Minister was appointed to the LAE portfolio, Duff Montgomery.

- 2) Program Changes (Management, Fees, Resources, Scope, etc)
Phase one saw the enactment new of regulations for Boiler and Pressure Equipment, Power Engineers, Crane Operators, Fuel Safety, and also stand-alone/reference regulations for Fees and adopted Standards. These regulations have been brought into effect under the Technical Safety Act and the Acts for each of these disciplines have been rescinded. Phase two will rescind the Elevators and Lifts Act and the Electrical Safety Act and bring new regulations for each of those disciplines under the Technical Safety Act. Completion by late fall 2014 is anticipated. Aug 11th marks two new inspection staff with our department. This brings the number of boiler inspectors to a full complement of 12.
- 3) Major Activities (Current or future)
New Fee Structure: Our current fee structure did not always reflect the actual costs of the service provided. Some of the fees did not recover costs whereas others may charge too much. Overall, the fee structure is in the process of being updated and simplified. We are working toward having a proposal ready for the Treasury Board by the Autumn of 2014.

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Database/Tracking System: Currently we use Basebridge as our platform for tracking equipment inspections, shop inspections, welder qualifications and licensing, power engineering qualifications and licensing, registered plants, Canadian Registration Numbers, Contractor Licenses and Pressure Equipment work permits, among other areas of disciplines within Technical Safety Division. Work is in progress to upgrade and make global improvements to the system such as IT security, new modules for welder qualification, licensing and permits.

4) Incidents

No significant incidents or accidents to report.

The new Boiler and Pressure Equipment regulations made under the Technical Safety Act came into effect April 1, 2011. The Inspection staff had been providing education and warnings to companies and individuals that have been slow to respond to the new regulatory requirements (e.g. contractor licenses, permits, quality control requirements, etc.). Prosecutions have begun in 2014 to enforce the requirements, resulting in a higher rate of compliance and less files going to court. Code compliance issues are still handled through Compliance Orders or Stop Work Orders, and equipment lock-out if necessary. Typically these cases are rectified without prosecution.

PE

1) Regulatory Changes (recent or future directions)

- Minor updates and corrections to Low-Pressure Bio-Mass Boiler installation and operational regulations found in the Boiler & Pressure Vessel and Power Engineering Regulations
- LP Gas pressure testing tagging program coming into effect in the fall

2) Program Changes (Management, Fees, Ressources, Scope, etc.)
None

3) Major Activities (Current or future)

- CNG unloading station still being constructed
- 20 + Low Pressure Bio mass installations scheduled for the coming year
- Safety audit are being performed on large Refrigeration facilities (ex. rinks and factories).

4) Incidents

Ammonia leak at a local arena resulted in the evacuation of a neighboring elementary school

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NL

- 1) Regulatory Changes (recent or future directions)
No changes in the last year. We are awaiting the final report on Plant Supervision to determine what changes might need to be considered in this area.
- 2) Program Changes (Management, Fees, Ressources, Scope, etc.)
There have been no changes to management, fees or program scope. Resource wise, the Division is challenged with BPV inspector position vacancies.
- 3) Major Activities (Current or future)
Recruitment of Boiler and Pressure Vessel Inspectors remains a major activity.
- 4) Incidents
There was one minor furnace explosion on a low pressure boiler which resulted in flue ductwork having to be replaced. There was no damage to the boiler and no injuries as a result of the incident.

There was a propane leak at an airport due to a front end loader making contact with a propane tank while snow clearing. There was no fire or injuries as a result of the incident.

There was an ammonia leak into the production area of a fish plant. A leaking bypass valve caused pressure to rise on the low side of the refrigeration system and the pressure relief device activated and discharged into the discharge vent header. A union on the header leaked and ammonia escaped into the plant area. The pressure relief device had recently been replaced. Three people were taken to hospital for observation and later released.

YT

Absent. Nothing to report.

NT

- 1) Regulatory Changes (recent or future directions)
Going to look at our Acts and Regs next year
- 2) Program Changes (Management, Fees, Resources, Scope, etc.)

No program changes

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- 3) Major Activities (Current or future)
Staffing issues – recently hired another inspector
- 4) Incidents
A dry cleaning facility was operating a **condemned** Boiler also they had no power engineer operating this, wscs is in the process of laying charges.

Many active forest fires

NU

- 1) Regulatory Changes (recent or future directions)
An effort will be made to amend the legislation to work with National Board.
- 2) Program Changes (Management, Fees, Ressources, Scope, etc.)
No change.
- 3) Major Activities (Current or future)
No change.
- 4) Incidents
Nothing to report.

51.8.2 *National Board of Boiler and Pressure Vessel Inspectors (NBBI)*

National Board Membership

- Currently 58 Members
- Eight (8) New Members Since Last ACI Meeting

NBIC: 2015 Edition

- In Sync with ASME BPV Code Publication

“R” Stamp Program

- 2010: 4096 Stamp holders
- 2014: 4719 Stamp holders

Commissions And Examinations

- Currently 3877 Commissions
- Inservice Inspector Exams (2014 Total: 419)
 - Jurisdictions – 43
 - Classroom – 114
 - AMP - 262

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Classroom Training – 2014

- Jurisdictions: 233 Students
- Other: 714 Students
- Total: 947 Students

Online Training – 2014

- Jurisdictions: 1478 Students
- Other: 2788 Students
- Total: 4266 Students
- 25 Online Courses Available

Pressure Relief Department

- Expansion
- Two (2) New Steam Generators

National Board Scholarship

**51.8.3 Canadian Nuclear Safety Commission (CNSC)
Regulatory Changes (recent or future directions)**

No changes

Program Changes (Management, Fees, Resources, Scope, etc.)

CNSC Integrated Action Plan published August 2013

- Integrates recommendations from a CNSC Task Force and an External Advisory Committee
- Applies to all nuclear facilities and CNSC Strengthening defence-in-depth
- Enhancing emergency response
- Improving regulatory and processes
- Enhancing international collaboration
- Enhancing communications

Major Activities (Current or future)

Nuclear Power Plants – Status

Darlington – Extending Licence to 2015, Relicensing in progress,
Refurbishment scheduled for 2016
New build project postponed

Bruce – Extending Licence to 2015, Relicensing in progress

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Two units returned to service in 2012 following refurbishment
Pickering - All eight units to be shutdown by 2020
Point Lepreau - Returned to service in 2012, following refurbishment
Gentilly-2 - Shutdown in 2012, transitioning toward safe storage

Incidents / Accidents

No accidents in NPPs resulting in accidents or injuries this year.
No member of the public received a radiation dose that exceeded the regulatory limit.
No worker at any NPP received a radiation dose that exceeded the regulatory limits.

51.8.4 *Human Resources and Social Development Canada (HRSDC)*

Absent, no report.

51.8.5 *National Energy Board (NEB)*

Absent, no report.

A 51.9 *ACI Constitution / Review of Membership on Standing Committee / jurisdictional comments*

51.9.1 *Close session – Discussion regarding alignment between ACI and NPSAC*

(Chris and Steven to provide)

Attachment:

NPSAC – ACI letter for NPSAC – ACI Cooperation (D0534870)

51.9.2 *(Item A49.8) ACI Constitution / Review of membership on Standing Committee / Jurisdictional comments – Deferred from 2012 ACI Meeting Agenda – Mike Adams*

(Chris and Steven to provide)

Attachment:

Proposed amendment to the July 12, 1996 amended ACI Constitution with comments (D0533073)

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51.9.3 *Concern regarding low attendance for SOPEEC Annual Meeting – SOPEEC Chair*

Steven Townsend, as SOPEEC Chair, has a concern that only seven voting SOPEEC members were attending this year's SOPEEC annual meeting. This is the minimum required number to form a quorum.

SOPEEC annual meeting is a very important meeting for power engineers, power equipment industry IPECC, SOPEEC and ACI. ACI members should provide solid support and ensure their SOPEEC members are committed to attend the SOPEEC annual meeting.

A 51.10 *Committee / Task Force / Liaison Reports:*

51.10.1 *CSA Z662 – Mike Poehlmann*

Mike Poehlmann presented the CSA Z662 activities in the November 2013 and June 2014 CSA Z662 meetings. A draft edition of the CSA Z662 will be sent out for public consultation in September and a new edition is expected to be published in 2015.

Ken Lau's retirement from the Z662 Technical Committee was formally announced at the June meeting and he was recognized for his long service on committee.

Mike Poehlmann joined CSA Z662 Technical Committee as a voting member (category – GR).

Attachment:

2014 ACI meeting CSA Z662 activities report (#D0533233)

51.10.2 *ACI Technical Committee – Djordje Srnica on behalf of Don Ehler*

Djordje Srnica presented the ACI /TC May meeting minutes on behalf of Don Ehler and ACI 2013 meeting action item #1 (A51.6.2) is not on the agenda and will be work on next year.

Action item #10 (A51.6.9) ASME Section IX Bonding/Fusing requirements, ACI /TC recommend change of clause 4.4 and 4.5 of B51 to include fusing and table clause 8.5 for information until the new edition of B31.3. If needed, additional requirements may be added to B51.

As for outstanding Actions from Previous Meetings 7.1: Gap Analysis ASME Section IV vs. PED for Biomass Boilers, work is in progress. Comparisons

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have already be done by BC. More guidance from ACI is required to do a thorough comparison.

After long period of discussion, it was concluded that PED has a completely different concept and. We could not choose and pick and should consider the whole standard. We have a system (CSA under ASME). We should provide help.

Action Item 3: *Dennis Eastman is actioned to send out report to Chris Selinger.*

Action Item 4: *Chris Selinger is actioned to send the report to ACI members for comments.*

Action Item 5: *ACI members to send their comment on report back to Chris Selinger.*

New business 9.1: Approach to Registrations of CNG and LNG piping and components:

A letter that was issued by the Canadian Gas Association titled Canadian Registration Numbers (CRNs) – Issues Experienced by Industry was reviewed and discussed. The letter (page 24 of ACI / TC report) was undated and unsigned. The committee could not comment on the context of the letter but will draft a response to the ACI Chair for distribution.

The discussion concluded that data report needs review and update. The letter to ACI (appendix D – page 19 to 21 of ACI / TC minutes) is confusing and lack of understanding. There are lots issues in different parts of Canada.

Action Item 6: *ACI members are actioned to send their comments (Yes or No to the draft letter) to Chris Selinger next week.*

A question was asked if it is acceptable to ACI members for ACI / TC to bring issues identified in their Spring meeting directly to CSA B51 License Plate sub-committee? The consensus from ACI members is acceptable.

Action Item 7: *Chris Selinger is actioned to send 2014 ACI meeting minutes to ACI / TC members before their Spring meeting.*

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Attachments:

2014 ACI /TC May meeting minutes (D0533465)

51.10.3 NPSAC – Dennis Eastman

Refer to A51.9.1.

Tuesday, August 26, 2014

A 51.11 New Business:

51.11.1 To develop a close line of communication between IPE and ACI / SOPEEC – Ralf Klopff

Ralf Klopff, Director of IPE, Ontario, conducted an IPE presentation. It was stated that the average of Second Class power engineers in Ontario is 56 years old and about six percent are less than 40 years old. Similarly, the average of First Class power engineers in Ontario is 60 years old and less than three percent are less than 40 years old. The average age for Third Class power engineers in Ontario is 52 years old. It was suggested that the entry level should be increased to ensure successful rate. IPE would like to have a closer communication between IPE and ACI

Steven Townsend, on behalf on ACI, commented that**(Steven to complete)**

Attachments:

2014 ACI meeting IPE presentation (D0534815)

51.11.2 Clause 8.5 of CSA B51 Bonding of non-metallic joints – Dennis Eastman

Dennis Eastman reported that there should be uniform approach amongst P/Ts for the acceptance of Bonding Procedure Specification and procedure and performance qualification testing and asked which jurisdictions are currently register bonding procedures for non-metallic joints. The three jurisdictions that do so are AB, QC and NB.

Motion 6: *Request ACI /TC to come up with a common approach within a year for bonding and other jointing procedure besides mechanical jointing was made by M Kotb and E Creaser.*

Carried (unanimous)

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51.11.3 Medical Gas Installer qualifications – Dennis Eastman

Dennis Eastman reported that some jurisdictions have provincial Medical Gas Installer Certificate. A decision should be made the CSA Medical Gas Piping & System Installation Certificate Program mandatory and sunset provincial certificates.

A presentation was made couple of weeks ago regarding the approval of a 32 hours introduction course and an 8 hours practical course for a CSA Codes certificate for medical gas installer to be implemented in spring 2015.

XXXX (Steven) It was a consensus that it is a very tight timeline and January 2016 is a better target.

51.11.4 Discussion on how the different jurisdictions deal with Manufacturers who refuse to submit Data reports – Madiha Kotb

Madiha Kotb presented the letter from the manufacturers who believe that it is not their responsibility to provide data report to end users or anybody and refuse to do so.

Discussion:

Have proof test be carried out?

Does ASME Section IV require the submission of data report?

Depending on surface area, submission of data report may not be required.

Would master data report take care of the issue?

XXXX (waiting for Madiha to confirm)

Attachments:

Manufacturers refusal to submit data report (D0534340)

51.11.5 Hydrogen fueling station guidelines – request for comments – Cathy Turylo

Cathy Turylo circulated a cover letter, proposed standard for HYDROGEN FUELING STATION GUIDELINES, HGV 4.9 and proposed form for discussion and asked if jurisdictions should adopt the guideline and if so, what are the jurisdictional requirements?

Action Item 8: *Cathy Turylo was action to send out survey to ACI members for review and comment.*

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Attachments:

Hydrogen fueling station guidelines HGV 4.9 (D0535151)

Hydrogen fueling station guidelines review cover letter (D0535154)

Hydrogen fueling station guidelines review comment form (D0535157)

51.11.6 Festo request – quick survey for exemption of compressed air factory automation system – Cathy Turylo

Cathy reported that there was a request from Festo to discuss their request for exemption of Factory automation components (using controlled compressed air) from CRN number requirements (CSA B51). Perhaps a quick survey could be carried out to see if there is interest to entertain this exemption or some version of it would be a good start.

Action Item 9: *Aziz Khassiss (task group chair) with Cathy Turylo and Djordje Srnica to develop solution(s) to address skid systems. The ultimate goal is to develop a harmonized approach for ACI to approve with appropriate proposed clauses for B51 and B52.*

To begin the process, the following skids will be looked at first:

1. Refrigeration systems
2. Compressed air
3. Water treatment
4. Future skid systems to be addressed would include CNG/LNG.

Attachment

CRN – FA & PA presentation (D0574747)

A 51.12 Reports / Presentation of CSA B-51 Sub Committees:

51.12.1 CSA B51 Clause 6

There was no meeting for Clause 6 in 2014 so no item to report. The next Clause 6 sub-committee meeting is scheduled to meet in October 21, 2014.

51.12.2 CSA B51 Clause 7 – Ken Lau

Ken Lau presented the July 15 SC-7 meeting notes. SC-7 recommendation and Safety Bulletin on “Use of Air Receivers and Propane Cylinders” will be forwarded to CSA B51 Technical Committee.

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Attachments:

2014 CSA B51 SC-7 July 15 meeting notes (D0532615)

Attachment A SC-7 agenda extracts 2013 CSA B51 minutes (D0532619)

Attachment B SC-7 agenda extracts 2012 CSA B51 minutes (D0532616)

Attachment C SC-7 Agenda CSA B149.5 – mounting brackets automotive propane vessels (D0532617)

Attachment D SC-7 Agenda Clause crush testing G3 (D0532618)

Attachment E SC-7 Agenda corrosion allowance G1 and CSA B149.5 (D0532622)

Attachment F SC-7 Agenda overpressure protection for automotive propane vessels (D0532625)

Attachment G SC-7 Agenda Clause 4.8.2 (e) RV propane tanks (D0532626)

Attachment H SC-7 Agenda ASME SC VIII Div 1 proposed scope changes (D0532627)

Attachment I Survey of carbon steel piping fittings toughness (D0532628)

51.12.3 CSA B51 Clause 4, 5, 6, and 11 D&J – Kim Greenwood

Kim Greenwood provided a brief update.

51.12.4 CSA B51 Clause 12 & H – Kim Greenwood

Kim Greenwood introduced the new Clause 12 & H sub-committee to meeting attendees.

A 51.13 Review of CSA Committee Agenda:

51.13.1 CSA B-51 Agenda Review - Chair

No discussion. ACI Chair will have an ACI report to CSA B51 Chair.

Attachments:

2014 CSA B51 draft agenda (D0524987)

51.13.2 CSA B-52 Agenda Review – Chair

No discussion. ACI Chair will have an ACI report to CSA B52 Chair.

Attachments:

2014 CSA B52 draft agenda (D0524956)

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51.14 Standardization of Power Engineer Examinations Committee (SOPEEC)
51.14.1 Chair's Report – Steven Townsend

Steven Townsend, as SOPEEC Chair, presented the SOPEEC Chair Report to ACI.

Discussion: Continuous education for power engineers certificate renewal and number of years remain valid for passed SOPEEC examinations (a sunset clause) were good topics for next year.

Motion 7: *Approve the SOPEEC budget with a riser of 1.31 as presented was made by E Creaser and D Eastman*

Carried (unanimous)

Note: Table A – Applying 1.31 FTE to the contribution where 0.21 is the adjustment rate for 2015 as approved at the 2012 ACI Meeting (to cover part of the extra cost), and 0.1 FTE is assuming the Federal Government is not paying their portion of previously committed \$7,500.

ACI members expressed appreciation to the excellent work done by the SOPEC Coordinator over and above his normal duties.

Motion 8: *Approve the changes to the 2nd Class SOPEEC syllabus as presented by the 2014 IPECC 2nd Class motion was made by E Creaser and D Eastman*

Carried (unanimous)

Motion 9: *Approve the reorganization of the syllabus topics in the 4th Class SOPEEC syllabus based on the progression of the learning process as presented by the 2014 IPECC 4th Class motion and the weight factor (number of questions for each syllabus topic) for examination) accepted by SOPEEC members was made by E Creaser and D Eastman*

Carried (unanimous)

Motion 10: *Accept the enhanced version of the Boiler Plant Risk Based Model to be forwarded to NPSAC for their consideration and the posting of future SOPEEC examinations and answer guides on the Members only web site were made by E Creaser and D Eastman*

Carried (unanimous)

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Attachments:

2014 SOPEEC Chair Report to ACI (D0533799)

2014 SOPEE proposed budget (D097899 v9)

2014 SOPEEC meeting minutes (D0525139 v2)

Proposal for publishing the next edition of ASME Extract and Supplement (D0509505 v2)

ACI / SOPEEC Examinations Across Canada (D0531702)

2014 IPECC 2nd Class syllabus change motion (D0525983)

2014 IPECC 4th Class syllabus overhaul proposal (D0517820 v2)

2014 IPECC 4th Class syllabus change motion (D0525053)

51.14.2 Coordinator's Report – Parkson Yeung

Parkson Yeung presented the 2014 SOPEEC Coordinator report.

Attachments:

2014 SOPEEC Coordinator Report (D0494786)

2014 ACI meeting Coordinator presentation (D0576343)

51.15 Other Business

51.15.1 Dr. Lau's retirement and replacement

Ken Lau announced his retirement. His retirement date is on September 15, 2014 and reported that Mike Poehlmann has been appointed by Government of Alberta as the Administrator and Chief Inspector of Alberta in pressure equipment effective September 16, 2014.

It was reported that Mike Poehlmann has been accepted as the National Board member for the Province of Alberta effective September 16, 2014.

Motion 11: *Approve Mike Poehlmann as ACI member for the Province of Alberta effectively immediately was made by K Lau and M Kotb.*

Carried (unanimous)

51.15.2 IPEIA New Education program – Heather Fairfield

Heather Fairfield introduced International Pressure Equipment Integrity Association (IPEIA www.ipeia.com) to meeting attendees. The lack of ASME Code knowledge for young engineers involved in pressure equipment was

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mentioned. Young engineers are typically have six months to three years but are given a lot of responsibilities. People graduated from university mechanical engineering programs do not know ASME Codes. Code awareness seminars are necessary.

Action Item 10: *Heather Fairfield was actioned to send IPEIA presentation to all meeting attendees.*

Action Item #11: *Madiha Kotb was actioned to send some information to Heather Fairfield to promote code awareness.*

Attachment:

2014 ACI meeting IPEIA presentation (D0576337)

51.16 *Future Meetings – Dates / Location*

Mike Poehlmann announced the 2015 ACI meeting location is Banff Center, Alberta and the meeting dates are August 25 and 26. The taxi from the Calgary airport is about CAN \$155 one way.

Eben Creaser asks members to think ahead for the 2016 ACI meeting in New Brunswick and suggests moving the meeting dates to one week after the Labour Day week which is September 12th (Monday) and September 13th (Tuesday).

Proposed Future Dates:

August 2015, Banff, Alberta

August 2016, New Brunswick

August 2017 Nunavut

August 2018 Saskatchewan

August 2019 Newfoundland and Labrador

Attachments:

ACI and SOPEEC meeting host and location history (D04045 v4)

ACI and SOPEEC meeting host and location proposal (D053097 v5)

51.17 *Adjournment*

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Appendix 1 ACI Reference Documents

2014 ACI Meeting Attendance Sign in Sheet (D0006399 V8)

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Appendix 2 CSA B51 Reference Documents

2014 CSA B51Codes PDF file (D0485266)

2013 CSA B51 Meeting Minutes – Toronto (D0444936)

2014 CSA B51 Ideas for future development (D0524993)

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Appendix 3 CSA B52 Reference Documents

2013 edition of CSA B52 code (D0469999)

2013 CSA B52 Meeting Minutes – Toronto (D0443686)

2014 CSA B52 June 4 meeting minutes (D0530679)

2014 CSA B52 May 15 teleconference CO2 working group meeting minutes (D0532872)

2014 info on absorption refrigeration systems prepared for CSA B52 WG (D0532874)

A review of absorption refrigeration technologies (D0532879)

Why absorption chillers fail (D0532882)

CSA B52 12 edition plan (D0524979)

Ideas for CSA B52 12 edition (D0532883)

New handbook and Section 8 improvements (D0532884)

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