MINUTES OF THE
FIRST GAS TECHNICAL COUNCIL MEETING OF 2015

DATE: January 22, 2015
TIME: 9:00 a.m. to 2:00 p.m.
LOCATION: Radisson Edmonton South
PRESENT: Keith Carter, Chair
          Hal Austin
          Bradley Gaida (arrived at 9:25 a.m.)
          Marcel Mandin
          Verne Quiring
          Jeff Skeith
          Mike Turek
          Denis Turgeon
          Lawrence Unser
          Sidney Manning, AMA, Chief Gas Administrator
          Michelle Plaizier, Safety Codes Council

GUEST: Nathan Lesage

ABSENT: Glen Aspen
        Brad Diggens
        Mel Hess
        Dave Schroeder
        Dell Wickstrom
        Russell Wintersgill

RECORDER: Sandi Orr

2015 MEETINGS: March 5; April 23; May 28; September 24; November 5
A. Call to Order

The meeting was called to order by the Chair at 9:00 a.m.

B. Adoption of Agenda

The following items were added to the agenda:
- E.7.01.15 – Fuel Gas Pressure Piping in Plants
- E.8.01.15 – Hydrogen Code
- E.9.01.15 – Fuels Learning Centre

Verne Quiring / Lawrence Unser moved to adopt the agenda, as amended; CARRIED

C. Adoption of Minutes

Jeff Skeith / Mike Turek moved to adopt the minutes of the October 16, 2014 meeting, as circulated; CARRIED

D. Business Arising from the Minutes

E.8.02.10 Working Group – Third Party Certification

Legacy Equipment Management Plan - STANDATA

Relative to the Legacy Equipment Management Plan, it was reported that this is now in effect and AMA is managing that document. There are about 50 applications registered, representing approximately 5,000 pieces of equipment. It was expected that this would apply to about 150,000 uncertified pieces of equipment. Part of the plan is advising where each uncertified piece of equipment is, its condition and evidence of a safety program in place until the equipment is in compliance. Several owners are meeting the intent of the plan while others are struggling.

The Chief Gas Administrator will continue to bring updates relative to the Legacy Equipment Management Plan at future meetings. [Manning]

Regarding Third Party Certification and the province-wide variance, industry is asking for a further extension of this variance because they believe if it expires, it will cripple the industry. Certification Bodies (CB) and Inspection Bodies (IB) believe that the variance should expire. The Working Group will need to consider whether to reissue the variance or allow it to expire. The recommendation could be that the variance be allowed to continue with strong encouragement to use third-party certification. Safety is first and foremost. If the decision is to allow the variance to expire, there will be a need to justify this without putting unnecessary burden on industry.

CBs and IBs are only getting a bit more work than initially anticipated, typically from larger companies with greater risk (approximately 10,000 to 14,000 pieces of equipment per year).

Background was provided for new members regarding the original variance and the new variance that now requires a permit but the owner can still use an engineer to approve and there is a need to provide evidence of compliance. When the variance expires, owners must either comply, fix the appliance or take it out of use. Industry came back to
AMA advising they could not get this completed by the expiration date, so the Legacy Equipment Management Plan was created.

It was further reported that CSA is in the process of developing a standard for uncertified equipment for hazardous locations in the oil and gas industry. Although this will really assist the industry, it is not likely to be published for 2 to 4 years from now. It was also clarified that if the uncertified equipment is used in the pipeline industry, it is exempt from the Gas Code but the owner still needs to ensure the equipment is safe.

**Working Group – National Field Approval of Appliances & Equipment Code Change**

This item will be removed from the agenda and addressed under E.9.03.14 as CSA-B149.3. [Paches]

**E.2.05.10 a)  CSA B149.6-11 – Digestor Gas and Landfill Gas**

This item will be removed from the agenda and addressed under E.9.03.14 as CSA-B149.6. [Paches]

**E.2.05.10 b)  CSA-Z276-11 – Liquefied natural gas (LNG) – Production, storage and handling**

It was noted that although there was a 2007 Standard updated in 2011, there is now a 2015 Standard that will soon be published. Alberta has not yet adopted any LNG Standard. Not a lot of changes are anticipated from the 2011 to the 2015 version.

It was recognized that even if this Standard is not adopted in Alberta, gas appliances would still be subject to the gas code requirements and pressure vessels would still be subject to any pressure vessel code requirements. After an in depth discussion regarding the working group’s mandate and the cross jurisdictional challenges, the following was determined:

- The GTC Chair will correspond with the BPVTC Chair to determine how to approach LNG and to bring forward recommendations to both sub-councils. [Carter / Lade]

It was further questioned whether authorities having jurisdiction would have accreditation to do this work and noted that this would depend on what type of Council training would be provided to SCOs.

It was noted that currently, Alberta has 20 CNG stations, 3 LNG stations and a number of portables.

One option that could be considered is that this be referenced in the regulations but that the work would be conducted by AMA similar to the conversation of vehicles. This could be a path forward considering the magnitude of training that would be required by SCOs for what is currently a small number of facilities. Consensus was reached that until such time as a decision is made, AMA will continue to deal with everything relative to LNG stations.

This led to a discussion regarding the fire discipline and emergency response guidance has been considered sufficient.
During this agenda item, a brief discussion was also held regarding cryogenics and jurisdiction.

**E.6.03.11 Sheet Metal Contractors Status – update**

It was reported that the amendment to the Permit Regulation is moving forward to Cabinet, exactly as worded in the Letter Ballot approved by the sub-council.

This item will be left on the agenda until the Permit Regulation Amendment is in force.

**E.2.02.13 Continuing Education for SCOs**

There was little to report since the last meeting.

Targeted focus groups are going to be set up to address some of the concerns raised during the consultation. A summary of feedback is available on the Council website ([http://www.safetycodes.ab.ca/SCO/Certification/Pages/Professional-Development-Program-for-SCOs.aspx](http://www.safetycodes.ab.ca/SCO/Certification/Pages/Professional-Development-Program-for-SCOs.aspx))

With this being a multi-discipline initiative, it would be extremely challenging to create a list of courses that would count toward these points. It is likely a broader approach would be considered when further clarifying the program. However, if SCOs are considering a course, they can contact the Council in advance. On-line reporting is being looked into for the ease of tracking.

**E.2.03.14 Nathan Lesage for a term until Jan 31, 2017**

It was questioned at the last meeting regarding the nomination. It was clarified that there is only one small utility in the province, so this is the only organization to bring forward a nomination.

Bradley Gaida / Lawrence Unser moved to recommend to the Coordinating Committee the appointment of Nathan Lesage to the Gas Technical Council for a term until January 31, 2017, effective immediately; CARRIED

**E.7.03.14 Safe Temporary Heat Education Program**

It was reported that the training videos are being developed and the documents are in their final stages of drafting. It is expected the program will be released shortly. A copy of the draft video can be found at [BaseCorp - SCC - Propane Heaters - 1st Edit](#).

**E.9.03.14 Draft Regulation**

The draft regulation was circulated (Handout #1). It was noted that the next draft will be revised to include inspection bodies in 3(1) (b). The Working Group will need to consider “solids and liquids” with a possible reference regarding inspections done by the building discipline.

It was clarified that for gas systems, an inspection body cannot do the installation but can inspect, evaluate, accept and put a label on an appliance when a standard does not exist for a unique piece of equipment.
The schedules included in the draft regulation will need to be reviewed to determine if these are still applicable and to revise any code references.

The Chief Gas Administrator reported that he has received permission to share Standards with the working groups and these will be placed in the portal along with any other applicable information such as 3-column or guidance documents. [Manning]

It was clarified that even if a standard may not be referenced, the standard could be used under complex projects.

**E.10.03.14 Code Review Process for Working Groups**

The Working Group Guideline document was circulated. It was noted that each Working Group Chair needs to determine the scope of work, its membership, develop a Terms of Reference to clearly define what they are tasked with doing and determine a budget. The Terms of Reference for each working group needs to be approved by the sub-council. A Terms of Reference template will be created by the Chair and circulated to the Working Group Chairs for reference. [Carter]

It was also noted that the Chair will try to leave some time at the end of each meeting for Working Groups to meet.

Working group membership was reviewed on screen and the following noted:

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<td>Jeff Skeith, Lawrence Unser, Verne Quiring, Hal Austin</td>
<td>The Working Group to identify Chair and develop a Terms of Reference.</td>
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<td>CSA-B149.2-15 – Propane storage and handling code</td>
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<td>CSA-B149.3-15 – Code for the field approval of fuel-related components on appliances and equipment</td>
<td>Verne Quiring, Dell Wickstrom, Glen Aspen, Denis Turgeon</td>
<td>The Working Group to develop a Terms of Reference. WG Chair to contact Dell Wickstrom to determine continued interest. It was noted this standard is currently adopted through reference in the CSA-B149.1.</td>
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<td>Verne Quiring</td>
<td>The Working Group to identify</td>
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| **Liquefied natural gas (LNG) - Production, storage, and handling** | Glen Aspen  
Keith Carter  
Nathan Lesage  
Brad Diggens | Chair and develop a Terms of Reference.  
- The Working Group to contact Brad Diggens to determine continued interest. |
|---|---|---|
| **Third-party Certification** | Denis Turgeon  
Verne Quiring  
Glen Aspen  
Lawrence Unser | - The Working Group to identify Chair and develop a Terms of Reference. |

Bradley Gaida and Mike Turek will decide which working groups they would like to be involved in. [Gaida / Turek]

During the working group review, a discussion was held regarding whether there was a need for a working group for CSA-B149.6-11 – Code for digester gas and landfill gas installations. As there are very few and considered a specialized field, it was suggested these be dealt with through complex projects under AMA.

Lawrence Unser / Verne Quiring moved to disband CSA-B149.6-11 – Code for Digester Gas and Landfill Gas Installations Working Group and that the sub-council will reconsider this again during the next code cycle; CARRIED

### E. New Business

**E.1.01.15 Chair Appointment for 2-year Term**

It was reported that Keith Carter will be retiring this year from ATCO and will no longer be able to represent his industry sector.

It was further noted that Brad Diggens term will expire on January 31, 2015 and he is no longer eligible for reappointment as he has reached his maximum number of terms on the sub-council. Therefore, there will be a need to appoint a both a Chair and Vice Chair at the next meeting.

Members were asked to give consideration to both positions for discussion at the next meeting. [All]

Correspondence from Brad Diggens was read wishing everyone the best. The Gas Technical Council recognized Brad Diggens for his 9 years of service. It was noted that the Council will be recognizing him along with all other members that are no longer on Councils at the upcoming SCC AGM.

**E.2.01.15 Reappointment of Verne Quiring to Jan 31, 2018**

Jeff Skeith / Denis Turgeon moved to recommend to the Coordinating Committee the reappointment of Verne Quiring to the Gas Technical Council for a term until January 31, 2018, effective February 1, 2015; CARRIED

**E.3.01.15 Reappointment of Denis Turgeon to Jan 31, 2018**

Bradley Gaida / Mike Turek moved to recommend to the Coordinating Committee the reappointment of Denis Turgeon to the Gas Technical Council for a term until January 31, 2018, effective February 1, 2015; CARRIED
E.4.01.15  Reappointment of Hal Austin to Jan 31, 2018

Denis Turgeon / Verne Quiring moved to recommend to the Coordinating Committee the reappointment of Hal Austin to the Gas Technical Council for a term until January 31, 2018, effective February 1, 2015; CARRIED

E.5.01.15  Propane Tank Relief Valve Replacement

An overview was provided relative to the safety issues causing serious burns when replacing propane tank relief valves.

Industry has proposed an alternative for tanks that can be rolled around, the pressure relieved through the excess valve and only vapour has to be dealt with rather than liquid. Industry believes that this is a much safer solution for these types of tanks.

The topic was simply brought forward to introduce the issue and potential solutions. Hal Austin will gather more background information and current industry practices to bring forward at a future meeting. [Austin]

E.6.01.15  Listing of Orders/Variances (under shared documents)

It was reported that a list of orders and variances for all disciplines can be found on the main page of the portal under Shared Documents. The purpose is to flag any code articles that have a large quantity of variances issued to determine whether a proposed code change or province-wide variance might be appropriate.

E.7.01.15  Fuel Gas Pressure Piping in Plants

The Chief Gas Administrator reported on the review of STANDATA G-03-11-ABSA that is being discussed with the boilers discipline and a request for a variance at the ATCO Energy Power Station.

Proposed changes will provide a series of options when a gas permit would or wouldn’t be required. New drawings are being added and the new STANDATA will also reference the owner/user program. A brief overview was provided on the owner/user program, the Integrity Management Systems required and the auditing process.

A redrafted STANDATA will be added to the portal. [Paches / Manning]

E.8.01.15  Hydrogen Code

An overview was provided of BNQ 1784 – Canadian Hydrogen Installation Code (Handout #3). It was reported that this is something that could be referenced or left until the next code cycle. It was noted that even if not referenced, this standard could still be used under complex projects as there are few installations each year.

Further discussion will be needed at a future meeting to determine next steps.

E.9.01.15  Fuels Learning Centre

Correspondence from the Chief Gas Administrator to FLC as a training provider was circulated as information (Handout #4).
F.  a) Action Items

All action items were completed or included on the agenda.

b) Report from Chair – Technical Coordinating Committee Update

There was nothing to report. The next meeting is scheduled for March 16, 2015.

G.  Standing Agenda Items

There were no Standing Agenda Items.

H.  Next Meeting

The 2015 meeting schedule was reconfirmed as follows:
- Thursday, March 5, 2015
- Thursday, April 23, 2015
- Thursday, May 28, 2015
- Thursday, September 24, 2015
- Thursday, November 5, 2015

The Working Groups were invited to remain to have Working Group meetings.

The meeting was adjourned at 2:00 p.m.
-- ACTION ITEMS –

E.8.02.10  Working Group – Third Party Certification
Legacy Equipment Management Plan - STANDATA

The Chief Gas Administrator will continue to bring updates relative to the Legacy Equipment Management Plan at future meetings. [Manning]

Working Group – National Field Approval of Appliances & Equipment Code Change

This item will be removed from the agenda and addressed under E.9.03.14 as CSA-B149.3.[Paches]

E.2.05.10 a)  CSA B149.6-11 – Digestor Gas and Landfill Gas

This item will be removed from the agenda and addressed under E.9.03.14 as CSA-B149.6.[Paches]

E.2.05.10 b)  CSA-Z276-11 – Liquefied natural gas (LNG) – Production, storage and handling

The GTC Chair will correspond with the BPVTC Chair to determine how to approach LNG and to bring forward recommendations to both sub-councils. [Carter / Lade]

E.9.03.14  Draft Regulation

The Chief Gas Administrator reported that he has received permission to share Standards with the working groups and these will be placed in the portal along with any other applicable information such as 3-column or guidance documents. [Manning]

E.10.03.14  Code Review Process for Working Groups

A Terms of Reference template will be created by the Chair and circulated to the Working Group Chairs for reference. [Carter]

Bradley Gaida and Mike Turek will decide which working groups they would like to be involved in. [Gaida / Turek]

E.1.01.15  Chair Appointment for 2-year Term

Members were asked to give consideration to both positions for discussion at the next meeting. [All]

E.5.01.15  Propane Tank Relief Valve Replacement

Hal Austin will gather more background information and current industry practices to bring forward at a future meeting. [Austin]

E.7.01.15  Fuel Gas Pressure Piping in Plants

A redrafted STANDATA will be added to the portal. [Paches / Manning]
-- MOTIONS --

B. Adoption of Agenda

Verne Quiring / Lawrence Unser moved to adopt the agenda, as amended; CARRIED

C. Adoption of Minutes

Jeff Skeith / Mike Turek moved to adopt the minutes of the October 16, 2014 meeting, as circulated; CARRIED

E.2.03.14 Nathan Lesage for a term until Jan 31, 2017

Bradley Gaida / Lawrence Unser moved to recommend to the Coordinating Committee the appointment of Nathan Lesage to the Gas Technical Council for a term until January 31, 2017, effective immediately; CARRIED

E.10.03.14 Code Review Process for Working Groups

Lawrence Unser / Verne Quiring moved to disband CSA-B149.6-11 – Code for Digester Gas and Landfill Gas Installations Working Group and that the sub-council will reconsider this again during the next code cycle; CARRIED

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Denis Turgeon / Verne Quiring moved to recommend to the Coordinating Committee the reappointment of Hal Austin to the Gas Technical Council for a term until January 31, 2018, effective February 1, 2015; CARRIED
**LIST OF WORKING GROUPS**

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It was noted this standard is currently adopted through reference in the CSA-B149.1 |
| CSA-B149.5-15 – Installation code for propane fuel systems and tanks on highway vehicles | Marcel Mandin Hal Austin (AMA – Perry Wager) | ▪ The Working Group to develop a Terms of Reference |
| CSA-B108-14 – Natural gas fuelling stations installation code | Keith Carter Nathan Lesage | ▪ The Working Group to develop a Terms of Reference |
| CSA-B109-14 – Natural gas for vehicles installation code | Keith Carter Nathan Lesage Marcel Mandin | ▪ The Working Group to develop a Terms of Reference |
| CSA-Z267-11 or 15 – Liquefied natural gas (LNG) - Production, storage, and handling | Verne Quiring Glen Aspen Keith Carter Nathan Lesage Brad Diggens | ▪ The Working Group to identify Chair and develop a Terms of Reference.  
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