



**MINUTES OF THE
SECOND GAS SUB-COUNCIL MEETING OF 2019**

DATE: April 25, 2019

TIME: 10:00 a.m. to 1:40 p.m.

LOCATION: Safety Codes Council Office, Edmonton

PRESENT: **Sub-Council Members**
Jason Helfrich (Chair)
Ron Beaudette
Paul Delano
Mark Guderjan
Roy Herrington
Chuck Lemke
James Maddocks
Marcel Mandin
Larry Miller
Jeff Skeith
Mike Turek
Dale Walls

Safety Codes Council
Allison Karch, Kathryn Derkach

Alberta Municipal Affairs
Sidney Manning, Claude Valliere

REGRETS: Simon Jolly, Cindy Kieu, Chuck Lemke, Nathan Lesage, Denis Turgeon (Vice Chair)

RECORDER: Sandi Orr

2019 MEETINGS: September 19, November 21

CSA-B149.1-20 and CSA-B149.3-20 Working Group meetings were held prior to and following the sub-council meeting.

1. Meeting Opening

The meeting was called to order by the Chair at 10:00 a.m.

1.1. Agenda Adoption

Mark Guderjan / Larry Miller moved to adopt the agenda, as circulated; CARRIED

1.2. Adoption of November 15, 2018 Minutes

The last page of the Minutes outlining Working Groups was corrected as follows:

- CSA-B149.3-20 – Code for the Field approval of Fuel-related Components on Appliances and Equipment was corrected to read: CSA-B149.3-20 – Code for the Field Approval of Fuel Burning Appliances and Equipment
- CSA-B108-17 – Natural Gas Fueling Stations Installation Code was corrected to read: CSA-B108-18 – Natural Gas Refueling Stations Installation Code

Jeff Skeith / Mike Turek moved to adopt the minutes of November 15, 2018, as amended; CARRIED

1.2. Adoption of January 31, 2019 Minutes

The last page of the Minutes outlining Working Groups was corrected as follows:

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- CSA-B108-17 – Natural Gas Fueling Stations Installation Code was corrected to read: CSA-B108-18 – Natural Gas Refueling Stations Installation Code

Mark Guderjan / James Maddocks moved to adopt the minutes of January 31, 2019, as amended; CARRIED

2. Matters for Decision

There were no matters for decision presented.

3. Review Matters Arising / Action List

	Item	Action	Date	Responsible	Status/Update
1.	Combination Heating STANDATA	Review draft Combination Heating STANDATA UPDATE: Although expired, still being used as best practices	Sep 15/16	All	Ongoing
		Provide updates on B214, which may impact the content of the STANDATA and/or whether it is required. UPDATE: work on B214 is progressing but no formal identification of changes yet	Sep 15/16	Manning	Ongoing
2.	Permit Regulation Working Group	The working group will address the permitting of secondary gas lines topic that was brought forward.	May 17/18	Helfrich	Ongoing
3.	Draft Annex I (formerly Annex J)	The Administrator will continue to keep the sub-council informed of the progress on Annex I. UPDATE: Being circulated widely to industry, being used as a variance template for an objective-based approach	Sep 20/18	Manning	Ongoing
4.	Furnaces for Construction Heating	Status update on the docket to CSA B149.1 for a proposed change that a furnace used during construction cannot be used for heating a building after construction. UPDATE: Proposed change will not be considered by CSA	Sep 20/18	Helfrich / Lemke / Manning	Completed, will be removed from action list
		It was reported that revisions to the Info Bulletin STANDATA are being drafted for consideration. Mark Guderjan volunteered to assist the Administrator. UPDATE: STANDATA has been updated and will be posted on AMA website as soon as possible. Manufacturer installation requirements need to be followed. The form is still a good practice to use as template or create their own. It was suggested that the STANDATA be changed to state that the form MUST be completed, but this can't be enforced through STANDATA. It can only become mandatory through a National Code Change or through Alberta Regulation.	Jan 31/19	Guderjan	Completed, will be removed from action list

5.	CSA B108-18	It was reported the CSA B108-18 - Natural gas fueling stations installation code is now available and will need to be reviewed by the working group to bring forward a recommendation to the sub-council. UPDATE: A notice will be issued that states the CSA B108-18 will come in force on July 1, 2019.	Nov 15/18	Lesage	Completed, will be removed from action list
6.	Gas-Related Activities/Décor at Conference	Denis Turgeon, Marcel Mandin, Glen Aspen and Sidney Manning volunteered to work with Council Administration to come up with ideas and bring forward a report at the January meeting. UPDATE: A brief update was provided on some of the activities and decor planned.	Nov 15/18	Turgeon, Mandin, Aspen, Manning	Ongoing
7.	CAN/BNQ 1784-000	Code recommended for adoption by GSC on Nov 15/18; AMA to provide updates on adoption as available. UPDATE: Delay due to government processes, will continue working toward next steps, an update is expected in the fall.	Nov 15/18	Yard/AMA	Ongoing
8.	CSA B149.6-20	Code to be reviewed by working group and recommendation made by GSC.	Nov 15/18	WG Chair	Nothing new to report

4. Matters for Discussion

4.1. Working Group Reports

CSA-B149.1-20 – Natural gas and propane installation code

It was reported that the working group is working through the 3-column document.

CSA-B149.2-20 – Propane storage and handling code

The working group has completed review of the draft 3-column document (post public review).

CSA-B149.3-20 – Code for the field approval of fuel burning appliances and equipment

It was reported that the working group is working through the 3-column document.

CSA-B149.5-20 – Installation code for propane fuel systems and tanks on highway vehicles

The working group has completed review of the draft 3-column document (post public review).

CSA-B149.6-20 - Code for digester gas, landfill gas, and biogas generation and utilization

It was reported that there currently is no Chair. Review of Working Groups will be added to the agenda for the next meeting. [Council Administration]

CSA-B108-18 – Natural gas refueling stations installation code

It was reported that a notice of adoption within the gas code regulations are to be posted indicating automatic adoption of the B108-18 code for July 1, 2019.

CSA-B109-17 – Natural gas for vehicles installation code – nothing to report

The Administrator reported that some 3-column documents are 200 to 250 pages. Although the sub-council needs all revisions for review, it was suggested for industry that smaller documents will be created to only show substantive changes, noting which others are editorial and relocation to different places in the code. There was no objection to that approach.

Permit Regulation – nothing to report

Hydrogen Fueling Stations – nothing to report

4.2. B108-18 Gas SCO Training

It was reported that this code will come into force in July 2019 under the Gas Code Regulation and falls within the scope of almost every accredited municipality. It was requested that the Training Department be contacted to determine whether there's a need to review or update the training materials to align with this new edition of the code.

[Council Administration]

4.3. AMOS Report

It was reported that the Spring Conference was two weeks ago. AMA was unable to attend due to government processes and AMOS members noted that they appreciate having AMA representation at these meetings. No additional concerns were presented from membership regarding secondary gas lines.

4.4. AMA/Administrator Report

The Administrator's Report was included in the portal and the following highlights were provided regarding:

- B149.1/B149.2/B149.3/B149.5/B149.6
 - Public consultation for 2020 versions complete, likely February 2021 will come in force in Alberta
 - Final review by standing committees ongoing and expected to be complete by the end of June 2019
- Standards Council of Canada inspection body program - IBAP revamp, focus groups developing proposed changes

- Medical
- Electrical
- Gas
- Uncertified gas-fired equipment
 - IB/CB engagement and general meeting
 - Annex I
 - CSA 3.21 – Published March 29, 2019. It was noted this standard is available for to view for free.
- Alberta Transportation and Alberta Energy regulator relationships
 - Alberta Transportation will be joining AMA at the Fall AMOS Conference
- Ontario TSSA to consult regarding relaxation of requirements for propane refueling under certain conditions
- AMA website has been updated and requires new shortcuts
- ULC advisory panel update
- Relaxing code vs variances; Alternate solutions training

The Council will include the new AMA website link on the portal. [Council Administration]

4.5. Council Updates

The following was reported:

- A brief update on the Conference was provided
- Starting September 2019, agenda will be posted 2 weeks in advance of the meeting; all requests for additions need to be submitted to the Chair at least 3 weeks in advance of the meeting

4.6. TCC Report

The Chair included an overview from the last TCC meeting in the portal and a brief update was provided regarding reports from:

- Pressure Equipment Sub-Council on the Fernie incident
- Building Sub-Council on escalators, the building envelope, and tiny houses
- An overview of work being done by the Council
- AMA on the adoption of the Building, Fire and Energy Code adoption
- Electrical Sub-Council on grounding and bonding discussion
- Fire Sub-Council on micro-distilleries
- Municipalities on variance challenges

4.7. Cylinders Used During Construction

A document was included in the portal including background and code references. Mark Guderjan provided the following thoughts and considerations:

- It does not mention in the CSA B149.2 that a Tank cannot be installed below grade. It does say a consumer tank of 125 USWG or less must be installed to 6.7.1 (the firm level base

clause) but it does not reference 6.7.4. (installed below grade) so tanks can be installed below grade.

- Cylinder leakage is extremely rare, and the biggest risk of propane leakage is hose and heaters, yet there is little specific concern with them.
- With the possibility of hundreds of feet of pipe and hose subject to damage and leakage in an excavation, allowing temporary set up of a cylinder with one max 75' hose and heater decreases the possibility of damage and leakage.
- How far from the edge of an excavation would a cylinder have to be? If it leaks, the gas will seek the lowest point and that would be the excavation.
- Non-refillable cylinders wouldn't even be allowed by the logic that is being applied, a plumber with a propane torch wouldn't be allowed below grade.
- The propane at construction sites allows for use of propane within a building under construction. It does not limit where in that building it is allowed (parkade, basement).

The goal is to gain consensus agreement that, in principle, cylinders connected for use at construction sites can be placed below grade and would be dealt with under section 6.5.3 and not section 6.7. Site specific considerations would continue to apply.

The Administrator reported that there is confusion regarding temporary and permanent installations. There is an opportunity for industry or the sub-council to develop and submit significant proposed changes to CSA for construction-only application.

The Administrator will forward a request for interpretation to CSA-B149.2 – Propane storage and handling code standing committee and will report back at a future meeting. [Manning]

4.8. Legacy Equipment

The Administrator reported that a Notice to inform industry about the termination of the Legacy Equipment Management program (STANDATA G-02-14[Rev 2]) on January 1, 2020, will be published on the AMA website as soon as possible. The notice is included in the portal as information.

4.9. Alberta Motor Vehicle Conversion Regulations and Related QMM

The Motor Vehicle Propane Conversion / Inspection Quality Management Manual (QMM) and the Motor Vehicle Gas Conversions Regulation with amendments up to and including Alberta Regulation 179/2015 Regulation were included in the portal. Any recommendations for amendments to this Regulation should come from this sub-council whenever opened for review.

Background was provided on how these conversation requirements have evolved to include all gas conversions. The Government Alberta is the only employer of Gas Group B SCOs. There are fewer than 20 conversion shops remaining in Alberta.

The QMM was reviewed. It was noted that this is typically not publicly posted but is made available to all conversion shops. Any changes or corrections can be made quite quickly, as it is

an internal policy document. Sub-Council members are encouraged to provide any feedback or proposed changes to the QMM through the Administrator. [All]

Alberta made the decision that re-inspections will be conducted every 5 years and the labels that are provided to the shops are only valid for 5 years. If this requirement were to be removed, then discussion would need to be had regarding conversion shop inspections. There is an opportunity to review these requirements. It was noted that AMA has the ability to audit any conversion shop.

4.10. Pressure Equipment Sub-Council Recommendations re. Refrigeration Systems

A Fernie investigation report was included in the portal, along with excerpts from the PESC minutes. The Sub-Council was asked to review the recommendations from the PESC to provide feedback on whether there is support or any concerns.

The only concern expressed was that a Class T Room cannot contain a gas-fired appliance as per CSA-B52. Unfortunately, there is nothing in the gas codes that would alert a gasfitter to this requirement.

4.11. Propane Exchange Cylinders Province Wide Variance

A draft copy of the Province-wide Variance STANDATA – Automated Cylinder Exchange Machines was included in the portal for review and feedback. Background was provided on industry's request to consider. This draft is ready for publishing, with potentially a few formatting changes and any feedback from the sub-council, and will be published on the AMA website as soon as possible.

4.12. Service Regulators Province Wide Variance

The Province-wide Variance STANDATA – Service Regulators with Limited (Capacity) Relief and Over-Pressure Cut-Off (LR-OPCO Service Regulators) has been updated. This does not prevent the use of CSA 6.22 Pressure Regulators. This draft is ready for publishing, with potentially a few formatting changes and any feedback from the sub-council, and will be published on the AMA website as soon as possible.

4.13. Secondary Gas Lines – Parkland County Correspondence

Correspondence from Parkland County was included in the portal expressing concern that a homeowner permit was taken out, but the Gas Co-op did the work. It is believed that whoever is doing the permit work should be the one to take out the permit.

The Administrator clarified that the Permit Regulation doesn't specify who must perform the work under a homeowner permit. Any restrictions would require a change to the Permit Regulation. Although Permit Issuers have set conditions of the permit, this could be appealed.

5. Meeting Finalization
5.1. Meeting and Agenda Feedback

Working Group members were encouraged to remain after the meeting to continue reviewing their 3-column documents.

It was requested that a Historic Folder be created for older versions of codes and standards for each Working Group. [Council Administration]

5.2. Next Meeting

The next meeting was reconfirmed for Thursday, September 19, 2019 at the Council office.

5.3. Meeting Adjournment

Marcel Mandin / Mike Turek moved that the meeting be adjourned; CARRIED

The meeting was adjourned at 1:40 p.m.

--- NEW ACTION ITEMS ---

4.1. Working Group Reports

Review of Working Groups will be added to the agenda for the next meeting. [Council Administration]

4.2. B108-18 Gas SCO Training

It was requested that the Training Department be contacted to determine whether there's a need to review or update the training materials to align with this new edition of the code. [Council Administration]

4.4. AMA/Administrator Report

The Council will include the new AMA website link on the portal. [Council Administration]

4.7. Cylinders Used During Construction

The Administrator will forward a request for interpretation to CSA-B149.2 – Propane storage and handling code standing committee and will report back at a future meeting. [Manning]

4.9. Alberta Motor Vehicle Conversion Regulations and Related QMM

Sub-Council members are encouraged to provide any feedback or proposed changes to the QMM through the Administrator. [All]

5.1. Meeting and Agenda Feedback

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--- MOTIONS ---

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5.3. Meeting Adjournment

Marcel Mandin / Mike Turek moved that the meeting be adjourned; CARRIED

WORKING GROUPS

STANDARD	WORKING GROUP MEMBERS (<u>Chair</u>)
CSA-B149.1-20 – Natural gas and propane installation code	<u>CHAIR (vacant)</u> Jeff Skeith; Mike Turek; Denis Turgeon; Simon Jolly; Chuck Lemke; Dale Walls; Paul Delano
CSA-B149.2-20 – Propane storage and handling code	<u>Jason Helfrich</u> Jeff Skeith; Mike Turek; Denis Turgeon; Ron Beaudette
CSA-B149.3-20 – Code for the field approval of fuel burning appliances and equipment	<u>Denis Turgeon</u> James Maddocks; Dale Walls; Roy Herrington
CSA-B149.5-20 – Installation code for propane fuel systems and tanks on highway vehicles	<u>Marcel Mandin</u> Jason Helfrich; Nathan Lesage (AMA – Perry Wager)
CSA-B149.6-20 - Code for digester gas, landfill gas, and biogas generation and utilization	<u>CHAIR (vacant)</u>
CSA-B108-18 – Natural gas refueling stations installation code	<u>Nathan Lesage</u> Marcel Mandin
CSA-B109-17 – Natural gas for vehicles installation code	
Permit Regulation	<u>Jason Helfrich</u> Jeff Skeith
CAN/BNQ 1784-000 – Canadian Hydrogen Installation Code	<u>Mark Guderjan</u> Larry Miller