



Safety Codes Council

MINUTES OF THE FIFTH GAS SUB-COUNCIL MEETING OF 2020

DATE: November 26, 2020

TIME: 9:00 a.m. to 12:20 p.m.

LOCATION: Videoconference

PRESENT: *Sub-Council Members*

Jason Helfrich, Chair

Cody Christman

Paul Delano

Roy Herrington

Cindy Kieu

Chuck Lemke

Nathan Lesage

James Maddocks

Marcel Mandin

Larry Miller

Randy Saunders

Mike Turek

Dale Walls

Darcy Toner

Safety Codes Council

Kathryn Derkach, Jennifer Johnson

Peter Thomas, Charles Hallett (Item 4.7.)

Alberta Municipal Affairs

Sidney Manning, Perry Wager, Bohdan Yard, Tom Knull, Claude Valliere

REGRETS: Ron Beaudette

Mark Guderjan

Jeff Skeith

GUESTS: n/a

RECORDER: Jennifer Johnson

2021 MEETINGS: January 28, April 22, September 30, December 9

1. Meeting Opening

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

1.1 Agenda Adoption

The following items were added to the agenda:

1. 4.7. Item for Discussion – Unpermitted Work (Charles Hallett and Peter Thomas)

Nathan Lesage/Dale Walls moved that the agenda be adopted, as amended; CARRIED

1.2 Adoption of the September 24, 2020 Minutes

Nathan Lesage/Roy Herrington moved to adopt the minutes of the September 24, 2020 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Roy Herrington/Cody Christman moved to go into closed session; CARRIED.

Roy Herrington/Larry Miller moved to come out of closed session; CARRIED.

2.1.1. Reappointment of Dale Walls to represent Manufacturers or Suppliers

Roy Herrington/Nathan Lesage moved to recommend to the Board reappointment of Dale Walls to the Gas Sub-Council to represent Manufacturers or Suppliers for a term ending January 31, 2024, effective February 1, 2021; CARRIED.

2.2. STANDATA Review

The Administrator advised that the input received from the sub-council and other stakeholders has been integrated into these drafts and while they may still go through some editorial changes but no further technical changes are expected.

2.2.1. Temporary Heat for Construction Sites G-08-01-B149-1-B149-2-Rev2

Chuck Lemke/Roy Herrington moved to support the issuance of the Temporary Heat for Construction Sites G-08-01-B149-1-B149-2-Rev2 STANDATA; CARRIED.

2.2.2. Residential Appliance Venting, Vent Connectors and Liners G-05-02-B149-1-Rev3

Mike Turek/Cody Christman moved to support the issuance of the Residential Appliance Venting, Vent Connectors and Liners G-05-02-B149-1-Rev3 STANDATA; CARRIED.

2.2.3. Outdoor Propane Appliances Located on Roofs, Decks and Balconies G-05-01-B149—Rev2

Roy Herrington/Jim Maddocks moved to support the issuance of the Outdoor Propane Appliances Located on Roofs, Decks and Balconies G-05-01-B149—Rev2 STANDATA; CARRIED.

2.2.4. Propane Storage Tanks Designed for 200 psig G-04-11-ABSA-Rev1

Cody Christman/Roy Herrington moved to support the issuance of the Propane Storage Tanks Designed for 200 psig G-04-11-ABSA-Rev1 STANDATA; CARRIED.

2.2.5. Fuel Gas Pressure Piping in Plants G-03-11-ABSA-Rev2

The following was discussed:

- The purpose of the STANDATA is to address the fact there are instances where fuel piping was designed and built as though it was process piping and it may cause issues when changes need to be made
- It was noted that the language is confusing and seems to indicate fuel gas piping must be designed and constructed as pressure piping instead of indicating that it is an option
- The Administrator will make the necessary amendments and bring it back for review

[Administrator]

2.2.6. Propane/Natural Gas Utility Connections G-03-02-Rev2

Mike Turek/Roy Herrington moved to support the issuance of the Propane/Natural Gas Utility Connections G-03-02-Rev2 STANDATA; CARRIED.

2.2.7. Liquefied Petroleum Gas Storage Vessel Installations G-02-11-ABSA-Rev1

Cody Christman/Roy Herrington moved to support the issuance of the Liquefied Petroleum Gas Storage Vessel Installations G-02-11-ABSA-Rev1 STANDATA; CARRIED.

2.2.8. Appliances and Equipment Require Special Certification for Installation at High Altitude G-02-10-Rev1

Mike Turek/Larry Miller moved to support the issuance of the Appliances and Equipment Require Special Certification for Installation at High Altitude G-02-10-Rev1 STANDATA; CARRIED.

2.2.9. Uncertified Appliances and Equipment Require Special Inspection and Approval G-02-01a-Rev5

Nathan Lesage/Larry Miller moved to support the issuance of the Uncertified Appliances and Equipment Require Special Inspection and Approval G-02-01a-Rev5 STANDATA; CARRIED.

2.2.10. Mechanically Vented Appliances 19-BCI-012_G-01-20-B149.1

Cody Christman/Larry Miller moved to support the issuance of the Mechanically Vented Appliances 19-BCI-012_G-01-20-B149.1 STANDATA; CARRIED.

2.2.11. Gas Fired Appliances Used for Heating Buildings Under Construction G-01-17Rev1

Roy Herrington/Mike Turek moved to support the issuance of the Gas Fired Appliances Used for Heating Buildings Under Construction G-01-17Rev1 STANDATA; CARRIED.

2.2.12. Walkways and Guard Rails G-01-14-Rev1

Roy Herrington/Mike Turek moved to support the issuance of the Walkways and Guard Rails G-01-14-Rev1 STANDATA; CARRIED.

2.2.13. Door Air Heaters, Direct Fired Makeup Air Heaters, and Non-Recirculating Direct Gas-Fired Industrial Air Heaters G-01-13-Rev1

Dale Walls/Roy Herrington moved to support the issuance of the Door Air Heaters, Direct Fired Makeup Air Heaters, and Non-Recirculating Direct Gas-Fired Industrial Air Heaters G-01-13-Rev1 STANDATA; CARRIED.

2.2.14. Sidewall Vent Terminations G-01-10-Rev1

Chuck Lemke/Mike Turek moved to support the issuance of the Sidewall Vent Terminations G-01-10-Rev1 STANDATA; CARRIED.

2.2.15. Mobile/Temporary Cooking Equipment 19-BCI-019_19-FCI-006

Nathan Lesage/Larry Miller moved to support the issuance of the Mobile/Temporary Cooking Equipment 19-BCI-019_19-FCI-006 STANDATA; CARRIED.

3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
	Combination Heating STANDATA	Review draft Combination Heating STANDATA UPDATE: Although expired, still being used as best practices	Sep 15/16	Beaudette	On hold.
		Provide updates on B214, which may impact the content of the STANDATA and/or whether it is required.	Sep 15/16	Manning	Ongoing.
2.	CAN/BNQ 1784-000	Code recommended for adoption by GSC on Nov 15/18; AMA to provide updates on adoption as available.	Nov 15/18	AMA	Ongoing
3.	Cylinders Below Grade at Construction Sites	A draft code change request will be put together	Feb 12/20	Guderjan / Miller	Ongoing

4. Matters for Discussion

4.1. Engine Variance and Information Bulletin

The following was discussed:

- These were developed at the request of CAPP in an effort to develop a method for SCOs to continue to accept small engine installations instead of requiring third party approval

- It's recognized that these engines are getting bigger and more complicated and this will bring them into alignment with B149.3; every engine will be certified or approved and this variance will provide one option
- They've undergone review by a number of stakeholders including SCOs, industry representatives and CAPP working groups

Cody Christman/Paul Delano moved to support the issuance of the Stationary Gas Engines Variance; CARRIED.

Nathan Lesage/Cody Christman moved to support the issuance of the Engines and Turbines Information Bulletin; CARRIED.

4.2. Working Group Reports

4.2.1. CSA-B149.5-25/B109-21

The following was discussed:

- No update

4.2.2. CSA-B108-20

The following was discussed:

- Has been a big departure from how other codes were developed, was quite aggressive
- Will be published in February 2021
- Very tight timeline, the Administrator recommends for the working group to consider it as soon as possible
- Council staff will assist in setting up meetings for working group

[Council Staff]

4.2.3. Permit Regulation

The following was discussed:

- After multiple discussions there are some suggested changes to put forward to Municipal Affairs in an attached Appendix
- The Administrator advised that the Appendix provided at the meeting may require further editing

Cody Christman/Roy Herrington moved to recommend to Municipal Affairs the proposed changes in Appendix B once the Permit Regulation is opened; DEFEATED.

- It was noted that some items in the Appendix required further discussion
- Item 2.1.1 regarding the definition of Single Family Dwelling remains outstanding at this time as the working group has not reached a final decision. This item will be removed from the Permit Regulation recommendations and added as an agenda item to the next meeting
- The Administrator advised that he rarely uses Item 2.1.8 from the Permit Regulation

Darcy Toner/Mike Turek moved to recommend to Municipal Affairs that Clause 2.1.8 13(1) (d) (a person who has satisfactorily completed a course of training acceptable to the Administrator for the installation of natural gas secondary lines) be removed from the Permit Regulation; CARRIED.

Roy Herrington/Mike Turek moved to recommend that the Gas Sub-Council put forward to Municipal Affairs the motions for consideration with the next Permit Regulation Review; CARRIED.

4.2.4. Hydrogen Fueling Stations

The following was discussed:

- No update

4.2.5. Single Family Dwelling

The following was discussed:

- The group has met virtually a couple of times and decided on proposed wording changes, these were presented during the meeting
- Sub-Council members had concerns that the wording change to reference only one private entrance may cause confusion
- Working group members clarified that the intention was for a home with a kitchen in a basement along with a private entrance to be considered a separate dwelling unit
- Working group will meet again and relay the feedback from the sub-council, will bring back to next meeting [Herrington]

4.3. AMOS Report

It was reported:

- No update

4.4. Administrator/AMA Report

A written report was included in the portal and updates were provided on:

- Fall meetings of the IGAC have involved UL/ULC and ENEFEN as well as upcoming meeting with Intertek prior to the end of 2020
 - Update for ULC 636, this will be important because of the challenges between appliance standards and venting standards
 - Ongoing challenges with hydrogen and blending in the Canadian system
 - 2%-9%
 - Once you put 10% hydrogen into a blended application it looks and acts like hydrogen
 - Decisions being made in areas like utilities, alternate fuels, transportation are going to create some hydrogen challenges we haven't had to consider before
 - Challenges to field approval versus charging of the utility and the relationship with local AHJ's
 - Remote inspection procedures, lots of ongoing conversations in this area
- UL/ULC 2200 published September 29, 2020
 - This is the certification standard that is the companion for the Engine Variance and Bulletin previously discussed
- B108.1 and B108 .2 currently in final balloting with the IGAC
 - Anticipated publication January 2021

- B109 completing part 1/part 2 development.
 - Anticipated Public consultation January 2021
- North American hydrogen discussion of mirror committees reporting to ISO (similar to DME)
- Gasfitter reconciliation at national discussions of PTAC, working towards ensuring there is trade and labour mobility for gasfitters across Canada

4.5. Council Updates

A written report was included in the portal and updates were provided on:

- Council staff continue to work remotely and the office is closed to the public
- Final meeting dates for 2021 have been posted in the portal
- New website has been launched, reminder to change any pages you may have had bookmarked

4.6. Engineer Authentication at Oil and Gas Production Facilities STANDATA

The following was discussed:

- A draft copy of the STANDATA was provided on the member portal, members are asked to review and provide comments [All]
- There is more experience with inspection bodies since the expiry of the previous variance and this will help ensure we're meeting the same standard
- This document is undergoing heavy review, and it may take some time to undergo the full process
- Bring back for January meeting

[Council Staff]

4.7. Unpermitted Work

Charles Hallett and Peter Thomas from the Safety Codes Council explained that they have received requests from various agencies to investigate best practices regarding unpermitted work. Members were asked for input on how they handle the issuing of permits post construction. The following was discussed:

- In Fort McMurray they will sell permits as long as the homeowner is willing to open everything up (ie. walls, etc.) as required by the SCO. Would be a liability issue to permit what cannot be seen. Charge double the fee when issuing, however most homeowners choose not to proceed. Also recommend homeowner investigate title insurance. Not as common in industrial settings and if so, the work is usually exposed so just charge double the fee.
- Municipal Affairs advises homeowners to work with AHJ to rectify if you realize you are noncompliant, advise to expose if necessary or provide evidence (ie. photos) in order to manage risk.
- Committees at national level are working on similar issues; addressing alterations to existing buildings
- From a consumer protection standpoint there were concerns about how to assist a homeowner who discovers work was unpermitted
- Perhaps could involve realtors in the process, have previous owners sign a waiver stating that no unpermitted work has been completed.

5. Meeting Finalization

5.1. Round Table

- n/a

5.2. Next Meeting

The next meeting was reconfirmed for January 28, 2021 via teleconference at 9:30 a.m.

5.3. Meeting Adjournment

Roy Herrington/Cody Christman moved to adjourn the meeting at 12:20 p.m.

– NEW ACTION ITEMS –

2.2.5. Fuel Gas Pressure Piping in Plants G-03-11-ABSA-Rev2

- The Administrator will make the necessary amendments and bring it back for review
[Administrator]

4.2. Working Group Reports

4.2.2. CSA-B108-20

- Council staff will assist in setting up meetings for working group
[Council Staff]

4.2.5. Single Family Dwelling

- Working group will meet again and relay the feedback from the sub-council, will bring back to next meeting
[Herrington]

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- Bring back for January meeting
[Council Staff]

– MOTIONS –

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Nathan Lesage/Larry Miller moved to support the issuance of the Mobile/Temporary Cooking Equipment 19-BCI-019_19-FCI-006 STANDATA; CARRIED.

4. Matters for Discussion

4.1. Engine Variance and Information Bulletin

Cody Christman/Paul Delano moved to support the issuance of the Stationary Gas Engines Variance; CARRIED.

Nathan Lesage/Cody Christman moved to support the issuance of the Engines and Turbines Information Bulletin; CARRIED.

4.2. Working Group Reports

4.2.3. Permit Regulation

Cody Christman/Roy Herrington moved to recommend to Municipal Affairs the proposed changes in Appendix B once the Permit Regulation is opened; DEFEATED.

Darcy Toner/Mike Turek moved to recommend to Municipal Affairs that Clause 2.1.8 13(1) (d) (a person who has satisfactorily completed a course of training acceptable to the Administrator for the installation of natural gas secondary lines) be removed from the Permit Regulation; CARRIED.

Roy Herrington/Mike Turek moved to recommend that the Gas Sub-Council put forward to Municipal Affairs the motions for consideration with the next Permit Regulation Review; CARRIED.

5. Meeting Finalization

5.3. Meeting Adjournment

Roy Herrington/Cody Christman moved to adjourn the meeting at 12:20 p.m.

– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (Chair)
CSA-B149.1-20 – Natural gas and propane installation code	<u>Chuck Lemke</u> Jeff Skeith; Mike Turek; Paul Delano; Ron Beaudette
CSA-B149.2-20 – Propane storage and handling code	<u>Jason Helfrich</u> Jeff Skeith; Mike Turek; Ron Beaudette
CSA-B149.3-20 – Code for the field approval of fuel-related components on appliances and equipment	<u>VACANT</u> James Maddocks; Dale Walls; Roy Herrington;
CSA-B149.5-20 – Installation code for propane fuel systems and tanks on highway vehicles CSA-B109-XX – Natural gas for vehicles installation code	<u>Marcel Mandin</u> Jason Helfrich; Nathan Lesage
CSA-B149.6-20 Biogas and Landfill Gas Code	<u>Paul Delano</u> Nathan Lesage; Mark Guderjan
CSA-B108-18 – Natural gas fueling stations installation code	<u>Nathan Lesage</u> Marcel Mandin, Paul Delano
Hydrogen Fueling Stations	<u>Mark Guderjan</u> Larry Miller
Single Family Dwelling Joint ESC	GSC: Roy Herrington, Mark Guderjan, Larry Miller ESC: Bert DeBruin, Barry Voogd