



**MINUTES OF THE
FIRST GAS SUB-COUNCIL MEETING OF 2022**

DATE: February 3, 2022

TIME: 9:03 a.m. to 12:33 p.m.

LOCATION: videoconference

PRESENT: **Sub-Council Members**
Jason Helfrich, Chair
Ron Beaudette
Cody Christman
Paul Delano
Mark Guderjan
Roy Herrington
Tran Mah-Paulson
Curtis Bellows
James Maddocks
Larry Miller
Randy Saunders
Dale Walls

Safety Codes Council
Allison Karch, Kathryn Derkach

Alberta Municipal Affairs
Sidney Manning, Claude Valliere, Perry Wager

REGRETS: Chuck Lemke, Marcel Mandin, Mike Turek, Darcy Toner

GUESTS: Justin Trupp (Kezen Thermal), Kris Topp (ATCO Gas)

RECORDER: Kathryn Derkach

2022 MEETINGS: May 26, September 29, December 1

1. Meeting Opening

The Chair called the meeting to order at 9:03 a.m. A round table introduction was held and the primary duty of Council Members was reviewed.

1.1 Agenda Adoption

Roy Herrington/Cody Christman moved that the agenda be adopted, as circulated; CARRIED

1.2 Adoption of the December 16, 2021 Minutes

James Maddocks/Mark Guderjan moved to adopt the minutes of the December 16, 2021 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Roy Herrington/Curtis Bellows moved to go into closed session; CARRIED

Mark Guderjan/Cody Christman moved to come out of closed session; CARRIED

2.1.1. Appointment of Aaron Blake to represent Rural Gas Utilities

Cody Christman/Roy Herrington moved to recommend to the Board appointment of Aaron Blake to the Gas Sub-Council to represent Rural Gas Utilities for a term ending January 31, 2025, effective immediately; CARRIED

2.1.2. Appointment of Roy Clark or Leigh Adams to represent Inspection Authorities

Dale Walls/Larry Miller moved to recommend to the Board appointment of Leigh Adams to the Gas Sub-Council to represent Inspection Authorities for a term ending January 31, 2025, effective immediately; CARRIED

2.1.3. Appointment of Tim Dykes to represent Natural Gas and Propane Vehicle Conversion Industry

Paul Delano/Larry Miller moved to recommend to the Board appointment of Tim Dykes to the Gas Sub-Council to represent Natural Gas and Propane Vehicle Conversion Industry for a term ending January 31, 2025, effective immediately; CARRIED

2.2. Single Family Dwelling Definition

A joint working group was established with the Electrical Sub-Council to develop proposed revisions to the definition of Single Family Dwelling in the Permit Regulation. The work of the group was reviewed on screen and the following was discussed:

- The term 'a parcel of land' was reviewed as it is unclear how that phrase effects the definition.
- It was suggested that the group could focus on defining their intent to limit it to only one dwelling unit (i.e. excluding secondary suites) rather than the specific wording of the definition.

- It was noted that this is a proactive review in anticipation of the Permit Regulation being opened in the spring. It will take approximately six months from public review to being considered by the GOA.
- Input from other sub-councils was requested.

Roy Herrington/Larry Miller moved to have this wording put forward to the other sub-councils for their review and consideration; CARRIED

Council staff will circulate the proposed definition to other sub-councils for a proposed agenda discussion item. [Council Administration]

2.3. 14-BCV-007 Interior Stairways for Roof Access

Past discussions were held about this building STANDATA being revised to contain information that relates to the gas discipline to identify roof access required by CSA B149.1. A document will be posted and reviewed at the next GSC meeting, including the 2019 and 2014 versions and the February 2021 proposed changes, so the sub-council can make recommendations.

Item will be added to Matters for Discussion at the next GSC meeting. [Council Administration]

2.4 Combination Heating STANDATA

The Combination Heating STANDATA has been moved to the new STANDATA template and is still in legal review at Municipal Affairs, but the technical information is complete. This STANDATA could be supported by the sub-council for the technical component with the final document coming back as information or a decision can be delayed until the document is complete. It was requested that the finalized document be brought to a future meeting.

[Council Administration/Manning]

3. Review Matters Arising/Action List

| | Item | Action | Date Initiated | Responsible | Status/Update |
|----|---|--|----------------|-------------------------------|--|
| 1. | Combination Heating STANDATA | Bring forward a final draft of the revised STANDATA | Sept 15/16 | Manning | Item 2.4 on agenda – ongoing. |
| 2. | BNQ 1784.000 and CSA B149.6 | Code recommended for adoption by GSC on Nov 15/18; AMA to provide updates on adoption as available. GSC motion to support adoption of CSA B149.6 was made April 23, 2020. | Nov 15/18 | AMA | Ongoing, cabinet package is being established to include the two new codes. Waiting for direction from the Government. |
| 3. | Cylinders Below Grade at Construction Sites | Motion made Oct 7/21 to forward the code change request to CSA B149.2 | Feb 12/20 | Guderjan / Manning / Helfrich | Submission has been completed and received by CSA. |

| | | | | | |
|----|--|---|----------|-------------------|--|
| | | Committee; seeking updates from Mark Guderjan, Administrator, or Jason Helfrich when available. | | | The Administrator reported that there has been movement at CSA with discussions around inviting Mark Guderjan to speak to the B149 committee to support this code change. |
| 4. | 20lb Cylinder Requalification Requirements | Jason Helfrich and Marcel Mandin volunteered to work on the white paper. | Oct 7/21 | Helfrich / Mandin | <p>Ongoing issue that has seemed to slow down over the winter and facilities being closed due to COVID.</p> <p>There has been communication between the Administrator and the Canadian Propane Association asking them to consider going to Municipal Affairs to estimate jurisdictional challenges that affects the federal regulator. Those communications will be shared with the chair of the GSC.</p> |

4. Matters for Discussion

4.1. Gas Fitter Trade Scope for Process Fired Equipment

There is a need for clarification of the scope of the gas fitter trade as it applies to installation, maintenance and alterations to gas fired equipment that is operated as part of an oil and gas, refining, or petrochemical facility by an accredited corporation. It’s unclear what the role of the gas fitter is in managing different kinds of equipment and what the regulatory requirement is for managing this equipment. Background information was provided and reviewed on screen.

Discussion included the following:

- In the electrical trade, you get training on wiring of gas appliances but no gas code training or wiring. Electricians don’t receive enough training to wire a B149.3 appliances from scratch. Training should be reviewed and trades should work collectively.
- It is gas fitter work but it also falls under other trades. Everyone needs to work together and the appropriate permits need to be in place.
- Any recommendations, discussions or action from this discussion should be sent to the apprenticeship committee.
- It would be nice to have more clarity on what the expectations are. Some process plants may employ gas fitters but it’s not an expectation. Based on specialized skills of other trades, it is clear how this is applied to them but it’s not clear with gas piping.
- Inspections don’t review the wiring, they look at what the gas fitter is responsible for.
- Many gas fitters feel they have enough overseeing and they don’t want to have another code to worry about.

- The fuel gas pressure piping in plants (20-GCB-10 rev 3) STANDATA provides some clarification as to where the gas fitter jurisdiction starts and where the pipe fitter/steam fitter starts.
- We can't expect a single trade to manage this kind of complex process equipment. It helps to hear different perspectives.

4.2. Working Group Reports

It was noted that some working groups would benefit from more participation from GSC members. A survey will be sent out shortly for everyone to indicate which working groups they wish to participate in. [Council Administration]

4.2.1. CSA-B149.1 / BNQ 1784.000 Hydrogen Installations

No Update.

4.2.2. CSA-B149.2 / CSA B108.1 & CSA B108.2

No further activity until the 2025 review starts.

4.2.3. CSA-B149.3.2 /CSA B149.6

There has been conversation around the CSA RFP for B149.1, B149.2, B149.3, B149.5, B149.6 around accommodating climate change adaptation. The RFP requires stakeholder engagement that will start in September, the working group has had specific discussions with how the GSC could be involved.

It was noted that if any sub-council members would like to participate as individuals, they can send Justin Trupp their contact information. Members were reminded that if they do sign up to be a stakeholder, they would not be representing the sub-council. Council staff and the Chair will discuss the possibility of the sub-council as a whole participating.

CSA B149.6 2020 has been recommended for adoption. There seems to be a willingness from the Government of Alberta to adopt the BNQ 1784.000 and B149.6 codes, but there is no known timeline for this. It was questioned whether the sub-council should be proactive in its review of these codes or wait until final codes are received. It was noted that because members are volunteers, we want to ensure work being done is providing good value to the safety codes system.

4.2.4. CSA-B149.5 / CSA B109

No update.

4.3. AMOS Report

No update.

4.4. Administrator/AMA Report

The Administrator provided a written report in the portal and reported:

- The following STANDATA have had editorial or template updates:
 - 20 GCB-02[REV2] sidewall vent terminations first to be posted
 - 20-GCB-11[REV2] Propane Tanks design for 200 psig
 - 20-GCB-08 [REV2] liquefied petroleum gas storage vessel installation

- 20-GCB-10 [REV2] ongoing discussion with Pressure Equipment Sub-Council/ABSA regarding Fuel Gas Pressure Piping in Plants STANDATA
- 15-PCB-003/20-GCB-016[Rev4] - Requirements for combination heating systems
- Code adoption is complete for Notice B108.1 and B108.2 as of February 2022.
- Restricted gas ticket for secondary services has been a discussion with the Federation of Gas Co-ops putting together a proposal on this issue.
- Hydrogen/natural gas blend is being reviewed.
 - WOBBE index 47.23-51.16
 - 100% hydrogen-codes, standards, communities and legislation
- Gasfitter reconciliation working group developed in association with PTAC/NPSAC.
- Draft flow chart for Fuel Gas Pressure Piping in Plants STANDATA has been created by ABSA. Members were asked to review and provide feedback on how helpful this document is. [All]

4.5. Council Updates

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

- There is no confirmed date for the reopening of the Council office.
 - Staff will provide information about the possibility of an in-person meeting in spring as soon as possible.
 - There is always the option for members to attend virtually if needed.
- The Council is looking for members' input on what safety system data would be beneficial to collect and analyze.
- Council Member Training—spring 2022 dates
 - New Member Orientation: April 28, 9:00 a.m. – 12:30 p.m.
 - Effective Meetings Workshop: February 16 and 17, 8:30 a.m. – 12:30 p.m. (must attend both days)
 - Appeals Training: March 8 and 9, 8:30 a.m. – 12:30 p.m. (must attend both days)
 - Contact gerry.letendre@safetycodes.ab.ca to register.
 - These will be offered in the fall as well.
- Watch past webinars, including one on variances, on the [Council website](#).

4.6 Venting an Outdoor Heating Unit

The manufacturers/suppliers industry segment representative brought forward an issue around adding venting to outdoor heating units in commercial industrial settings. It was explained that the installation code is specific to indoor units and some customers do not want to mount on the inside or on the roof for aesthetic reasons. As a manufacturer, there isn't much that can be done once the product leaves the store and certification is limited to what is already been tested. It was asked what can be done to accommodate customers who want to add a chimney.

It was noted by the Administrator that this can be done, however work may need to be accompanied by a variance request. The codes do not restrict vents being installed outside in accordance with vent manufactures installation. There are lots of prescriptive requirements in the code and without knowing the specifics, it's hard to give a definitive response.

5. Meeting Finalization

5.1. Round Table

No items were brought forward.

5.2. Next Meeting

The next meeting was reconfirmed for May 26, 2022 tentatively in person at the Council office at 9:00 a.m.

5.3. Meeting Adjournment

Mark Guderjan / Roy Herrington moved to adjourn; CARRIED

The meeting was adjourned at 12:33 p.m.

– NEW ACTION ITEMS –

2.2. Single Family Dwelling Definition

Council staff will circulate the proposed definition to other sub-councils for a proposed agenda discussion item. [Council Administration]

2.3. 14-BCV-007 Interior Stairways for Roof Access

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– MOTIONS –

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– WORKING GROUP MEMBER LISTS –

| WORKING GROUP | WORKING GROUP MEMBERS (Chair) |
|--|---|
| CSA-B149.1 – Natural gas and propane installation code BNQ 1784.000 Hydrogen Installations | <u>Chuck Lemke</u> Jeff Skeith, Mike Turek, Paul Delano, Ron Beaudette, Mark Guderjan, Larry Miller, Dale Walls |
| CSA-B149.2 – Propane storage and handling code CSA-B108.1 - Compressed natural gas refuelling stations installation code CSA-B108.2 – Liquefied natural gas refuelling stations installation code | <u>Jason Helfrich</u> Jeff Skeith, Mike Turek, Ron Beaudette, Marcel Mandin, Paul Delano |
| CSA-B149.3 – Code for the field approval of fuel-related components on appliances and equipment CSA-B149.6 Biogas and Landfill Gas Code | <u>Paul Delano</u> James Maddocks, Dale Walls, Roy Herrington, Mark Guderjan, Justin Trupp |
| CSA-B149.5 – Installation code for propane fuel systems and tanks on highway vehicles CSA-B109.1 - Compressed natural gas vehicle installation code CSA-B109.2 – Liquefied natural gas vehicle installation code | <u>Marcel Mandin</u> Jason Helfrich, Chris Sherbanuk |
| Single Family Dwelling <i>(Joint with ESC)</i> | GSC: <u>Roy Herrington</u> , Mark Guderjan, Larry Miller ESC: Bert DeBruin, Barry Voogd |