



**MINUTES OF THE
THIRD GAS SUB-COUNCIL MEETING OF 2024**

DATE: September 24, 2024
TIME: 9:00 a.m. to 1:30 p.m.
LOCATION: Safety Codes Council Office

PRESENT: *Sub-Council Members*
Mark Guderjan, Chair
Chris McInroy
Kris Topp
Roy Herrington, Vice-Chair
Neil Little
Curtis Bellows
Muhammad Ishaq
Aaron Blake
Leigh Adams
Dale Walls
Cory Huppie

Safety Codes Council
Jennifer Johnson, Elizabeth Hammell

Alberta Municipal Affairs
Sidney Manning, Claude Valliere, Jody Thrush, Ljubomir Dupalo

REGRETS: Jason Helfrich, Darcy Toner, James Maddocks, Tim Dykes

GUESTS: Angus Potskin, Stephen Carlson

RECORDER: Jennifer Johnson

2024 MEETINGS: December 5

1. Meeting Opening

The Chair called the meeting to order at 9:06 a.m. A round table introduction was held and videoconference functionality was reviewed, and members were reminded that their primary duty is to act in the interest of safety in the built environment for the benefit of all Albertans.

1.1 Agenda Adoption

Leigh Adams/Dale Walls moved that the agenda be adopted, as circulated; CARRIED

1.2 Adoption of the May 23, 2024 Minutes

Muhhamed Ishaq/Curtis Bellows moved to adopt the minutes of the May 23, 2024 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Curtis Bellows/Dale Walls moved to enter into closed session; CARRIED

Kris Topp/Curtis Bellows moved to exit closed session; CARRIED

2.1.1. Nomination of Ben Nichols to represent Major Municipalities North

Leigh Adams/Kris Topp moved to recommend to the Board appointment of Ben Nichols to the Gas Sub-Council to represent Major Municipalities North for a term ending January 31, 2028, effective February 1, 2025; CARRIED

2.1.1. Nomination of Aaron Blake to represent Rural Gas Utilities

Kris Topp/Muhammed Ishaq 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, 2028, effective February 1, 2025; CARRIED

2.1.1. Nomination of Cory Huppe to represent Sheet Metal Contractors

Dale Walls/Aaron Blake moved to recommend to the Board appointment of Cory Huppe to the Gas Sub-Council to represent Sheet Metal Contractors for a term ending January 31, 2028, effective February 1, 2025; CARRIED

2.1.1. Nomination of Leigh Adams to represent Inspection Authorities

Curtis Bellows/Dale Walls 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, 2028, effective February 1, 2025; CARRIED

2.1.1. Nomination of Tim Dykes to represent Natural Gas and Propane Vehicle Conversion Industry

Aaron Blake/Leigh Adams 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, 2028, effective February 1, 2025; CARRIED

2.1.1. Nomination of Kris Topp to represent Large Gas Utilities

Muhammed Ishaq/Curtis Bellows moved to recommend to the Board appointment of Kris Topp to the Gas Sub-Council to represent Large Gas Utilities for a term ending January 31, 2028, effective February 1, 2025; CARRIED

2.1.1. Nomination of Curtis Bellows to represent Small Gas Utilities

Kris Topp/Aaron Blake moved to recommend to the Board appointment of Curtis Bellows to the Gas Sub-Council to represent Small Gas Utilities for a term ending January 31, 2028, effective February 1, 2025; CARRIED

2.2. Chair Election

Vice Chair Roy Herrington chaired this item

The Vice Chair made a call for nominations. Curtis Bellows/Dale Walls nominated Mark Guderjan for Chair of the Gas Sub-Council. Two additional calls for nominations were made and no other nominations were received. Mark Guderjan was approved as Chair by acclamation.

2.3. Vice Chair Election

The Chair made a call for nominations. Aaron Blake/Muhammed Ishaq nominated Leigh Adams for Vice Chair of the Gas Sub-Council. Two additional calls for nominations were made and no other nominations were received. Leigh Adams was approved as Vice Chair by acclamation.

2.4. Matrix Review

The matrix was reviewed and no necessary updates were identified.

Kris Topp/Dale Walls moved to recommend to the Board that the Gas Sub-Council matrix be accepted without changes; CARRIED.

3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	Pollutants from Gas Stoves	This topic will be discussed at the June meeting of the Gas Advisory Council. The Administrator will bring back an update.	March 23/23	Manning	No provinces or territories making amendments to prohibit gas

					<p>stoves at this time.</p> <p>May not be an issue with new requirements for ventilation.</p>
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4. Matters for Discussion

4.1. Mandate Delivery

Elizabeth Hammel, Senior Policy and Engagement Analyst at the Safety Codes Council provided the following update:

- Safety Codes Council has enlisted a third party consultant to identify potential improvements to how the Council delivers on its mandate.
- Council has heard there is an opportunity for improvement, as the current system has not changed drastically since creation in the early 90s.
- We want to ensure we are using members time effectively.
- The consultant will be doing some engagement activities in October/November with a new model expected in early 2025.

4.2. Swing Joints

The Chair mentioned that he has noticed some inconsistencies regarding swing joints and wanted to bring the item up for information and awareness. The following was discussed:

- There is no specific code clause addressing underground expansion compensation or prescriptive requirements.
- Piping arrangement is the primary way to protect against damage or breakage due to strain.
- A minimum of three elbows with five horizontal threads and two pivot points are a standard industry practice.
- Some Safety Code Officers will approve, others will not.
- It would be beneficial to have guidelines or best practices for organizations to follow.
- There may be an opportunity for Municipal Affairs to draft a Safety Tip.

[Manning]

4.3. B149.1 Code Review

This item was deferred as the working group chair was not in attendance.

4.4. Interprovincial and Territorial Gas Advisory Council (IGAC) Report

- Safety minute
 - o Emergency fuel supplies
 - Growth in these systems
 - Underground tanks
 - NG being utilized as emergency fuel supplies.
- Hydrogen
 - o Energy carriers
 - o 100% preparations

- o Awareness (several dozen projects around the world)
- o Peter Baker presentation
- o Where should definition for natural gas including 0-20% hydrogen blend RFI go?
- o Other Blends
 - DME
- IB program
 - o Sustainability
 - Confirmed scheme partner responsibilities for SCC/IGAC/IB
 - o Effectiveness
 - Canada wide
 - Conflicting variances, legislation
 - o Role of the professional
 - o Virtual Inspections
 - o Costing
- Field Approval vs certified
 - o ULC 2200 updates
- CSA 3.21
 - o IGAC discussed support for withdrawal, expiration, modification.
- Moving portable equipment/Portable equipment approvals
 - Flame effects
 - Generators
 - Agricultural weed control
 - Food trucks
- Reusable/Refillable propane cylinders
 - o 1lb-5lb to be monitored for compliance through 2024-2025
- Working group effective date for standards adoption
- Gasfitter Reconciliation Agreement
- Impact of international agreements
 - o Canada-UK Trade Continuity Agreement (Canada-UK TCA)
 - o CETA
- 200 PSI tanks, 2500 USWG relief valves
 - o Establish tracking.
 - o conflicts with CSA B51
- Uncertified products
 - o Collaboration with CACES
 - o Health Canada safety pledge with Amazon

4.5. Hydrogen

4.5.1. CSA Training

- CSA is developing training for hydrogen and is looking for subject matter experts. Please reach out to the Administrator if you are interested or know someone who may be a good fit.

4.5.2. Blending

- We have not moved past 5% in Alberta but discussions are ongoing.

4.5.3. 100%

- The 100% hydrogen show home in the Bremnar development is open for viewing.
- [Hydrogen Projects — Home Hydrogen](#)

4.5.4. Vehicles

- Couple of dozen hydrogen vehicles, second conversion shop applying for a permit out of Calgary, one in Edmonton already approved.

4.5.5. Fueling Stations

- There have been challenges getting approvals for fueling stations, will update as this progresses.

4.6. Working Group Reports

4.6.1. CSA B149.1 / BNQ 1784 Canadian Hydrogen Installation Code

The following was discussed:

- Public review on B149.1 is almost complete.

4.6.2. CSA B149.2 / CSA B108.1 & CSA B108.2

The following was discussed:

- The working group would like to have the sub-council review B149.2 to provide broader input, will bring to a future meeting.
- Changes to B108.1 and B108.2 were primarily to wording and providing clarifications.

Leigh Adams/Roy Herrington moved to recommend that the President and CEO recommend that Municipal Affairs proceed with the adoption of CSA B108.1 Compressed natural gas refueling stations installation code – 2023 edition; CARRIED.

Dale Walls/Cory Huppe moved to recommend that the President and CEO recommend that Municipal Affairs proceed with the adoption of CSA B108.2, Liquefied natural gas refueling stations installation code – 2023 edition; CARRIED.

4.6.3. CSA B149.3 / CSA B149.6

The following was discussed:

- Preliminary review has been completed on B149.3, no issues identified.

4.6.4. CSA B149.5 / CSA B109.1 & CSA B109.2

The following was discussed:

- B109 is currently inactive, there has been no development on the next cycle.

4.7. AMOS Report

It was reported:

- Fall conference will be held October 25th and 26th in Red Deer.
- Please reach out to Leigh Adams if you would like to attend or give a presentation at an upcoming meeting.

4.8. Administrator/AMA Report

The Administrator reported:

- B149's 2025 cycle completed development and balloting.
 - Anticipated dates for publication, on or about February 2025.
- B108's December 2023 balloted by the Inter-provincial and territorial gas advisory Council (IGAC) [Notice : Gas codes in force January 2025 - Open Government \(alberta.ca\)](https://www.alberta.ca/notice-gas-codes-in-force-january-2025-open-government)
- Hydrogen and natural gas blend update

- o Hydrogen and pressure equipment
- o Blends
- o 100% Hydrogen
- Relief valve notice
 - [NOTICE: Servicing intervals for pressure relief valves on tanks 2500 USWG and less](#)
- 200 PSI propane containers
 - [Propane Storage Tanks Designed For 200 PSIG \(alberta.ca\)](#)
- Province wide variance publication for the application of large diameter (2 ½ - 4 NPS) press connect fittings through until the 2025 B149.1 comes into force.
 - o B149.1 Clause 6.9.2 - piping of NPS 2 ½ inch and over shall have welded pipe joints.
 - [Press Connect Fittings \(alberta.ca\)](#)
- Standata review for Plants, Classification: Public
 - [Propane Storage Tanks Designed For 200 PSIG \(alberta.ca\)](#)

4.9. Council Updates

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

SCO Job Opportunities

- The Council has developed a [form](#) on our [Careers webpage](#) where accredited organizations can provide information about their job opportunities for Safety Codes Officers and we will periodically email SCOs about these opportunities.

Member Engagement on Bylaw Changes

- Thank you to everyone who attended the AGM, we greatly appreciated your insights around proposed bylaw changes to address ongoing issues being experienced in the appeals system.
- Members raised thoughtful questions, and we decided we needed to hear more before proceeding. An email was sent to all members with the option for an opportunity to meet with Council staff discuss and provide feedback on the Council [bylaws](#).
- The feedback received will be compiled and shared in a What We Heard Report.

Safety Codes Council Summit

- The Summit will be held October 2-4, 2024, at the Coast Nisku Conference Centre.
- Members are invited to register for free, courtesy of the Council (travel and accommodation expenses will not be reimbursed).
- To register please visit the [Summit website](#) and use the code 2024SUBCOUN

5. Meeting Finalization

5.1. Round Table

- CSA committee working groups have started work on the next cycle.
- Appliance manufacturers are experiencing difficulties regarding the use of flammable refrigerants, there is a gap happening and not many options for retrofitting.

Aaron Blake/Leigh Adams moved to form a working group to investigate clarification on swing joints on underground services; CARRIED.

Leigh Adams/Dale Walls moved that the working group would consist of Cory Huppie, Leigh Adams, Curtis Bellows, Angus Potskin, Roy Herrington, Mark Guderjan and Aaron Blake as Chair; CARRIED.

5.2. Next Meeting

The next meeting was reconfirmed for December 5 at 9:00 a.m.

5.3. Meeting Adjournment

Leigh Adams/Kris Topp moved to adjourn the meeting; CARRIED.

The meeting was adjourned at 1:30 p.m.

– NEW ACTION ITEMS –

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[Manning]

– MOTIONS –

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5. Meeting Finalization

5.1. Round Table

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Leigh Adams/Dale Walls moved that the working group would consist of Cory Huppe, Leigh Adams, Curtis Bellows, Angus Potskin, Roy Herrington, Mark Guderjan and Aaron Blake as Chair; CARRIED.

5.3. Meeting Adjournment

Leigh Adams/Kris Topp moved to adjourn the meeting; CARRIED.

– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (<u>Chair</u>)
CSA-B149.1 – Natural gas and propane installation code BNQ 1784.000 Hydrogen Installations	<u>Dale Walls</u> Curtis Bellows, Mark Guderjan, Tran Mah-Paulson, Larry Miller, James Maddocks, Tim Dykes, Cory Huppie, Muhammad Ishaq, Angus Potskin
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> Mike Turek, Cory Huppie, Larry Miller, Roy Herrington, Angus Potskin
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>Dale Walls</u> Mark Guderjan, Roy Herrington, James Maddocks, Justin Trupp, Muhammad Ishaq
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>Jason Helfrich</u> Leigh Adams, Aaron Blake, Chris Sherbanuk, Tim Dykes
Clarification on Swing Joints on Underground Services	<u>Aaron Blake</u> Cory Huppie, Leigh Adams, Curtis Bellows, Roy Herrington, Mark Guderjan