
COMMITTEE ON NATIONAL FUEL GAS CODE

DRAFT Minutes**National Fuel Gas Code (NFGC) Committees***Kimpton Hotel Monaco**Pittsburgh, Pennsylvania**October 24-25, 2022*

1. **Call to Order:** Chair, Frank Mortimer (EMC Insurance), called the meeting to order at 8 am on October 24, 2022.
2. **Introductions:** Attendees introduced themselves and identified their affiliation. See Meeting Attendance Attachment A.
3. **Chair Report:** Mr. Mortimer welcomed attendees and provided an overview of the meeting. The agenda was approved as distributed in the July 28, 2022 email.
4. **Staff Liaison Report:** Alex Ing (NFPA) and Luis Escobar (AGA) provided an overview of the remaining steps in the harmonized development process and the revision cycle schedule.
5. **Approval of Committee Meeting Minutes:** The minutes from September 12-22, 2021 (virtual, MS Teams) were approved with the following revision: John Puskar (Prescient Technical Services) chaired the Combustion Air TG.
6. **NFGC Second Draft:**
 - a. **Review of Public Comments and Committee Inputs.** The technical committee reviewed the Public Comments and Committee Inputs and developed Second Revisions as necessary. The committee actions that result in a Second Revisions will be the standing action on the letter ballot. Approved actions from the letter ballot will be incorporated into the Second Draft Report, to be posted on www.nfpa.org/54 and www.aga.org/nfgc along with the Second Revisions Report and Report on Public Comments.
 - b. **Task Group Reports:**
 - i. **Combustion Air and ACH.** The Task Group presented Public Comment 33 (considerations for impact on the accuracy and usefulness of a draft test), Public Comment 34 (method for converting ACH50 to ACHnat), and Public Comment 35 (Annex G.5.2 method of draft testing). to address the issue of how to measure draft and known infiltration rate formula from 9.3.2.2.
 - ii. **Industrial Coverage.** Nothing to report..
 - iii. **Multi-Requirements and Exceptions.** The Task Group presented their recommendations for removing exception language and breaking out multi-requirement sections throughout the NFGC. The recommendations were split onto one global revision for split outs and another global revision for exceptions. The Committee decided to keep this Task Group moving forward.

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7. Other Business:**a. Task Groups:**

- i. The Committee disbanded the Combustion Air and ACH Task Group as it has completed its mission.
- ii. The Committee will keep the Industrial Coverage Task Group going forward.
- iii. The Committee will keep the Multi Requirements and Exceptions Task Group going forward. Diane Jakobs (AHRI) steps down; Enrique Gonzalez (IAPMO) and Gregg Gress (ICC) have joined.
- iv. The Committee established a new Flammable Gas Air Mixtures Task Group to be chaired by Franklin Switzer (S-afe, Inc.) and comprised of Ted Lemoff (Lemoff Engineering) and Bill Murray (Self).

b. New Technology for Leaking Gas Piping: George Ragula (RagulaTech) brought up the topic of new technology that repairs leaking fuel gas piping in situ (intended for leaking joints). The Committee tasked Mr. Ragula with developing material for review in the next development cycle.

8. **Future Meetings:** There is no plan to meet again in person for the 2024 NFGC development cycle. AGA and NFPA staff will contact the committee if this changes.

9. **Adjournment:** The meeting was adjourned at 3:30 pm on October 25, 2022.

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Attachment A – Attendance

Z223 Committee:

NAME	COMPANY	24-Oct	25-Oct
Eric Adair	Hearth, Patio & Barbecue Association	x	
Hugo Aguilar (alt)	International Assoc. of Plumbing & Mech. Officials		
Thomas Andrews	Michigan Technical Education Center	x	x
Michael Bethany	Gas Piping Safety Service		x
Jonathan Brania	Underwriters Laboratories:	x	x
James P. Brewer	National Chimney Sweep Guild	x	x
Daniel Buuck	National Assoc. of Home Builders	x	x
Christopher Byers	American Gas Association	x	x
Bob Carpenter	Viega	x	
LaToya Carraway (alt)	International Code Council		x
Kody Daniel (alt)	EMC Insurance Companies	x	x
John Doucette	State of CT - Office of State Fire Marshal		
Luis Escobar	Staff - AGA	x	x
Ralph Euchner	American Gas Association	x	
Marvin Evans	CSA Group	x	x
Pennie Feehan	Copper Development Association	x	x
Richard Gilbert	Texas Propane Gas Association	x	x
Enrique Gonzalez	International Assoc. of Plumbing & Mech. Officials	x	x
Michael R. Gorham	The National Propane Gas Association	x	x
Gregg Gress	International Code Council	x	x
Paul Gugliotta (alt)	American Gas Association	x	x
Steen Hagensen	ENERVEX, Inc.		
Travis Hardin (alt)	Underwriters Laboratories:		
Peter Holmes	Maine Fuel Board	x	x
Diane Jakobs	Air Conditioning, Heating, and Refrigeration Institute	x	x
Andy Kireta (alt)	Copper Development Association		
Jeff Kleiss	Air Conditioning, Heating, and Refrigeration Institute	x	x
Vladimir Kochkin (alt)	National Assoc. of Home Builders		
Theodore Lemoff	Self - T Lemoff Engineering	x	x
Jean McDowell (alt)	Texas Propane Gas Association		
Colin Moorhouse (alt)	CSA Group		
Frank Mortimer	EMC Insurance Companies	x	x
Andrea Papageorge	American Gas Association	x	x
John Puskar (alt)	Technical Services LLC	x	x
April Dawn Richardson	Railroad Commission of Texas		

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Jon Russell	American Public Gas Association	x	x
Eric C. Smith	International Fire Marshals Association	x	x
Stan Smith (alt)	American Gas Association	x	x
Jason Stanek	American Gas Association	x	x
Phillip Stephens	Air Conditioning, Heating, and Refrigeration Institute	x	x
Bruce Swiecicki (alt)	The National Propane Gas Association	x	x
Franklin Switzer	S-afe, Inc.	x	x
Andy Thielen	Crane Engineering	x	x
Kent Thompson (alt)	Railroad Commission of Texas	x	x
Robert Torbin	Air Conditioning, Heating, and Refrigeration Institute	x	x
Matt Wilber (alt)	Crane Engineering		
Matthew Williams	Association of Home Appliance Manufacturers		

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Guests:

NAME	COMPANY	24-Oct	25-Oct
Charles Brown (NFPA 54)	Advanced Engineering Investigations		X
Ted Bukowski (NFPA 54)	Gas Technology Institute	X	X
Jeremy Conjura (NFPA 54)	Corning Incorporated	X	X
Shannon Corcoran	Staff - AGA	X	X
Gerald Davis (NFPA 54)	Williams Metering Company	X	X
Edward Glende	Gastite	X	
Devinder Grewal	Fathom Engineering - Consultant - Ferguson	X	
Roger Griffith	Griffith Engineering	X	X
Nasir Hussain (NFPA 54)	Combustion Science & Engineering	X	X
Zuhair Ibrahim (NFPA 54)	Ibrahim & Associates	X	
Alex Ing	Staff - NFPA	X	X
James Kendzel (NFPA 54)	American Supply Association	X	X
Andrew Klein	Consultant - Ferguson	X	
Timothy McNulty (NFPA 54)	US Draft Company (RM Manifold Group)	X	X
William Murray (NFPA 54)	Self	X	X
Tung Nguyen (NFPA 54)	Emerson Automation Solutions	X	
George Ragula (NFPA 54)	RagulaTech	X	X
Brett Readout	EMC Insurance Companies	X	X
Phillip Ribbs (NFPA 54)	PHR Consultants	X	X
Brian Ryglewicz (NFPA 54)	Chimney Design Solutions		X
Jonathan Sargeant	Self - OmegaFlex	X	X
Marco Versace	Ferguson Enterprises	X	
Christopher Wagner (NFPA 54)	AmeriGas Propane	X	X
Cory Weiss	Field Controls	X	X
Brian Williams (NFPA 54)	Ferguson Enterprises	X	X
Ted Williams (NFPA 54)	Natural Gas Direct	X	
Chris Wolfe	Ray Murray Inc.	X	X