

**U.S. Consumer Product Safety Commission
LOG OF MEETING**

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SUBJECT: Meeting with the CSA/ANSI Z21/83 Joint Technical Advisory Group (TAG) on Standards for Construction Heaters and Agricultural Heaters

DATE OF MEETING: July 23, 2003

LOG ENTRY SOURCE: David R. Tucholski

DATE OF LOG ENTRY: 7/24/03

LOCATION: Canadian Standards Association Office, Mississauga, Canada

CPSC ATTENDEE: David R. Tucholski

NON-CPSC ATTENDEES: See attached roster

SUMMARY OF MEETING:

A working group appointed to develop a test methodology that considers variations in the type of appliances and considers the different allowable carbon monoxide (CO) concentrations in the US and Canada provided the TAG with an update. Since the standard covers such a large assortment of heaters (e.g., input rates up to 10,000,000 Btu/hr, natural/forced convective units, etc.), the task to develop a test methodology that covers all heaters has been challenging.

During the discussion, staff inquired about the test method for portable tank-top mounted (i.e., direct-mounted) heaters. Staff indicated that because of the number of incidents with direct-mount heaters, CPSC would like the TAG to consider testing these heaters in a room with a controlled air exchange rate. This test would be similar to the combustion test specified in the standard for portable type camp heaters (ANSI Z21.63-2000). TAG members informed staff that portable direct-mount heaters are not covered by the construction heater standard (ANSI Z83.7-2000) and therefore would not be considered as part of the discussion. When staff inquired as to which standard covers portable direct-mount heaters, the TAG thought the heaters would be covered under the standards for high-intensity infrared heaters (ANSI Z83.19-2001) and low-intensity infrared heaters (ANSI Z83.20-2001). A high-intensity infrared heater is defined as an infrared heater that has a radiating surface at or above 1350°F (732°C). A low-intensity infrared heater is defined as an infrared heater that has a radiating surface below 1350°F (732°C).

John Gorman of CSA International (Cleveland) indicated that portable direct-mount heaters were covered under the old construction heater standard. However, the provision to mount the heater directly to a bulk tank was eliminated when the construction heater standards in the US and Canada were harmonized in 2000. Upon further investigation, it was learned that certain heaters can be mounted directly to the tank, provided that there is a hose assembly between the tank and the heater, and the heater must be equipped with an UL 144 approved pressure regulator. Because some portable direct-mount heaters are covered by the construction heater standard, TAG members were perplexed as to which standard should ultimately cover portable

direct-mount heaters. TAG members also came to the realization that most portable direct-mount heaters are not covered by any standard.

The CSA administrator of the TAG for the high/low-intensity infrared heaters was contacted and she stated that a working group has been established in this TAG to consider coverage of portability direct-mount heaters. The working group plans to update the TAG at its next meeting, which is tentatively scheduled for October 2003. The TAG for construction heaters will wait until it sees the recommendations from the TAG for the infrared heaters before taking any actions. In addition, the TAG for construction heaters will reconvene a working group at its next meeting in February/March 2004 that will consider coverage for portable infrared construction heaters.

Attendee List of the Meeting of the Joint Technical Advisory Group (TAG) on Standards for Construction Heaters and Agricultural Heaters Held on July 23, 2003 at CSA Offices, Mississauga, Canada

Members Present	Affiliation
W.J. Young	Plant Systems/NPGA
R. Hopkins	Construction Safety Association of Ontario
D. Wibe-Neufeldt	Sureflame Products
B. Vandrak	Enerco/Mr. Heater
R. Willey	The Coleman Company
P. Baker	
A. Neufeldt	Industrial Propane Inc.
T. Joseph (<i>Administrator</i>)	CSA International, Canada
Guests	Affiliation
D. Beach	National Propane Gas Association
J. Gorman	CSA International, Cleveland
D. Tucholski	US Consumer Product Safety Commission