

MEETING LOG DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: Meeting of the ANSI Z21.47 ANSI Z21/CGA Joint Central Furnace Subcommittee

PLACE: Harley Hotel, Middleburg Heights, Ohio

MEETING DATE: September 23, 1998

LOG ENTRY SOURCE: Ronald A. Jordan

RAJ

ENTRY DATE: September 30, 1998

COMMISSION ATTENDEES:

Ronald A. Jordan, ESEE

NON-COMMISSION ATTENDEES:

See attached member attendee list

MEETING SUMMARY:

The ANSI Z21.47 ANSI Z21/CGA Joint Central Furnace Subcommittee met to discuss a number of issues of interest to CPSC staff. Of primary concern to staff was the direction of the disconnected vent work statement the full subcommittee developed and forwarded to the Gas Research Institute (GRI).

Item 1: Consider Recommendations of Technical Working Group on Comments Received on Proposed Revisions to the Central Furnace Standard

The Technical Working Group (TWG) recommended that the subcommittee adopt a proposal to change the vent system mechanical integrity requirements in the "Method of Test" portion of Section 1.15, "Draft Hoods, Flue Connections and Integral Venting Systems" of the furnace standard. The proposal was to reduce the longitudinal (pull) force requirement from 100 pounds to 50 pounds. The TWG cited as their rationale their belief that 100 pounds was excessive and unrealistic, and difficult to pass. This item was Log #98006 at the June 1998 TWG meeting.

During the discussion for this item, Glen Edgar, Selkirk Metalbestos, stated that thermal expansion could impose a 100 pound push or pull force longitudinally along a vent pipe in a Category III furnace. He stated that was the rationale for adding the 100 pound force requirement for Category III vents in the vent standard, UL1738. Per staff's input, the pull test will be conducted after the rotation test to ensure that a vent pipe subjected to a 25 foot-pound torque will not pull loose when subjected to the 50 pound pull force.

The subcommittee vote to adopt this proposal and send it out for a letter ballot vote among all subcommittee members. They are seeking a 6 month effective date for

CPSA 6 (b)(1) Cleared

No Mfrs/Prov/Lbrs or

Products Identified

Excepted by

Firms Notified,

Comments Processed.

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this coverage on new products. They are seeking a 12 month effective date for this coverage (beginning October 1, 1998) on existing products to allow time for manufacturers to resolve any problems the new coverage might cause.

Item 7: Consider Work Statement for Disconnected Vents Developed by an Ad Hoc Working Group and Approved by the Joint Central Furnace Subcommittee and Forwarded to GRI.

At the August 18, 1998 meeting between CPSC staff and representatives from the furnace industry, Neil Leslie, Gas Research Institute (GRI) indicated he would provide a preliminary Failure Modes and Effects Analysis (FMEA) report to the furnace subcommittee at its September 1998 meeting. CPSC staff asked about the status of the GRI FMEA. Staff expressed to the subcommittee its expectation that GRI was to provide a preliminary report at this meeting. Bob Stack, IAS stated he would check on the status of work being conducted by GRI and report it to the subcommittee. CPSC staff asked if the questions it posed to the subcommittee in a letter dated May 14, 1998 will be answered at this time. Glenn Hooker, Subcommittee Chairman replied that the questions would be answered by the outcome of GRI's FMEA.

cc:

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Colin Church
ESEE Chronological File

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ATTENDANCE RECORD

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DAY 1 - WEDNESDAY, SEPTEMBER 23, 1998

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