

CPSA 6 (b)(1) Cleared
No Mfrs/Products or
Products Identified
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Firms Notified
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MEETING LOG DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: CPSC staff meeting with representatives of Mid-Vent Division of Lauren International, Inc.

PLACE: CPSC Headquarters, Room 410A

MEETING DATE: December 3, 1997

TIME: 10:00 am

LOG ENTRY SOURCE: Ronald A. Jordan

RAJ

ENTRY DATE: December 8, 1997

COMMISSION ATTENDEES:

- | | |
|----------------|-----------------|
| Ronald Jordan | Robert Franklin |
| Brenda Gillum | Doug Lee |
| Kate Wallace | Anna Luo |
| Larry Hershman | Thomas Caton |
| Mohammed Khan | Andrew Stadnik |

NON-COMMISSION ATTENDEES:

- | | |
|-----------------|---|
| Mike Roberts | Mid-Vent Division of Lauren International, Inc. |
| Marvin Roberts | Flourolast Division of Lauren International, Inc. |
| William Bichsel | Flourolast Division of Lauren International, Inc. |
| K.C. Jensen | Lauren International, Inc. |
| Sam Cristy | Product Safety Letter |

MEETING SUMMARY:

Mike Roberts of the Mid-Vent Division of Lauren International, Inc. requested this meeting with CPSC staff to discuss his company's new vent system technology. Mr. Roberts believes his new vent technology will address the technological challenges posed by staff's proposal to the ANSI Z21.47 ANSI Z21/CGA Joint Central Furnace Subcommittee that the standard require a furnace to shutoff if the vent becomes disconnected.

In Mid-Vent's design concept, the vent pipe acts as a capacitor and is in series with a furnace thermostat or other control circuitry. According to the firm, the capacitance across the vent is measurable and can be adjusted within a narrow band width. After the vent's capacitance is adjusted, the furnace operates with the vent system set within the narrow bandwidth of capacitance. If capacitance across the vent system deviates from the range it was adjusted to,

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the furnace will shut down. Based on this concept, when the furnace vent system experiences failure modes such as pin-hole corrosion through the vent pipe with the presence of condensate, complete separation of the vent pipe, or gaps in the vent pipe , its capacitance will deviate outside of its adjustment range and shut the furnace down.

cc:

Office of the Secretary
Colin Church
ESEE Chronological File