

ASHRAE TC 9.2 AdHoc Committee Minutes
HVAC of Hazardous Spaces
Chicago '06 – Sunday 22, 2006
Clark I Meeting Room – 7-9 PM

Attendees:

Mike Baucom – Chairman, Bebc Industries
George Menzies – Guest, Private Consultant
Vernon Peppers – Member, Peppers Engineering
Jeanette Peppers - Guest

The Chairman called meeting to order at approximately 7:10 PM, following a brief stay to await other potential attendees. Due to the lack of attendance, the chairman elected to have an open forum, based on single talking point for discussion, as follows:

As an AdHoc Committee, this group has been charged with the objective of determining the best means for educating ASHRAE Members regarding specific concerns regarding HVAC in Hazardous Spaces. What are our primary resources for information, what concerns should be addressed or avoided, and what form of publication would be serve the Society?

Commitment:

George Menzies to mail page of reference resources from Local Canadian Authority addressing this issue.

Paraphrased Comments:

Vernon Peppers - “smacna”, the sheet metal national contractor’s association, has standards on duct construction. – point – chapter from 5.2 has data that would be useful. – Another ASHRAE Standard for smoke control may have relevance.

George – The design guide should be self-inclusive and NOT require nor rely on an abundance of references to other documents.

Vernon – Guide should include specific knowledge to research and design the specific equipment for a specific application.

Jeanette - Conventional wisdom of society is that engineers “take care of us”, so at this level, with the degree of litigation possible, all concerns must be addressed.

Vernon - Concerns of all substances, be they combustible, toxic, corrosive or asphyxiates must be reduced to an acceptable level.

Vernon – Nuclear spaces should be excluded expressly and specifically.

George – one small area can contain numerous toxic hazards.

Consensus of Group:

Design Guide, as a published document for sale would provide specific reference for the design engineer.

Primary Objectives:

- 1) Draft Scope for Subcommittee
- 2) Seek committee member input regarding standards that address related subject matter
- 3) Seek authorization to draft design guide outline for consideration by parent committee

**SOLICITED RESPONSE FROM MEMBERS OF 9.2 COMMITTEE MEETING, HELD
SUBSEQUENT TO SUBCOMMITTEE MEETING:**

Related ASHRAE Committees:

- 2.3 Gaseous air contaminant removal
- 2.4 Particulate air contaminant removal
- 6.10 Fuel and Combustion
- 5.2 Ductwork Design
- 1.9 Electrical Systems?
- 1.11 Electrical Motors & Motor Control
- 5.6 Control of Fire & Smoke
- 5.12 Ventilation Requirements & Infiltration
- 6.5 Radiant and Convective Space Heating & Cooling

Related Standards:

- ASHRAE 62 – Industrial Air Quality
- NFPA 50 A
- ANSI Z9
- NFPA 496

Paraphrased Member Comments:

George Adams - *Consider Supplemental Section to Handbook Chapter.*

Norm Maxwell - *Contact Steve Comstock – ASHRAE Director of Publications
Solicit him to consider publication of a Design Guide.*

George Adams - *Consider Possible Journal Edition.*

Bill Kumpf - *Design Guide not advisable due to effort required and unlikelihood of approval by ASHRAE
Publications Group, on grounds that publication would have limited sales potential.*

Committee Consensus:

Consider Separate Chapter in Handbook

Develop Handbook Chapter or Supplement, dependant on outcome of Symposium.

**** ACTION ITEM:**

Send George Adams an e-mail copy of the Forum Findings Report.
In turn, he will forward to Lindsey Cook.

Await contact from Lindsey Cook from AIHA upon solicitation by George Adams.
- *COMPLETED, BUT NO REPLY TO DATE*

**** DALLAS SYMPOSIUM PROGRAM NOTES:**

Matt Hargan & Ravi Ganta volunteered as Peer Reviewers for Symposium Papers.