



Building America Expert Meeting

CONTAMINANT GENERATION AND SPATIAL VENTILATION EFFECTIVENESS

Friday, 23 January 2009

8:00 am to 12 pm

**in conjunction with the ASHRAE Winter Meeting
Chicago, Hilton Hotel, Grant Park meeting room**

Featured Speakers

- **Jeffrey Siegel and Atila Novoselac**
Department of Civil, Architectural, and Environmental Engineering, The University of Texas at Austin
- **Aaron Townsend**
Building Science Corp.

Key questions

- *What are the main pollutant sources and how do they relate to occupant activities?*
- *How do sources relate to human exposure?*
- *How should source generation scenarios be treated for use in determining spatial ventilation effectiveness factors in ASHRAE Standard 62.2?*

Development of BA Dehumidification Performance Standard

- Field testing ongoing 2008
- Lab testing to begin at NREL
- Working Group meetings June and October 2008
 - Longer term goal of industry based test procedure
 - need to establish industry partnerships to move this forward
 - Focus on development and consensus for:
 - Workable strategy for standards development/improvement
 - ANSI-ARI 210/240 (Performance Rating Of Unitary Airconditioning And Airsource Heat Pump Equipment)
 - ASHRAE 37 (Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment)
 - Indoor humidity control criteria
 - Field test design
 - Lab test design
- Expert Meeting: 2009 ASHRAE Summer Annual Meeting
- BA Quarterly Meeting October 2009
 - Draft Industry-based Test Procedure
- Industry Test Procedure by October 2010

