

**ASHRAE Technical Committee 4.3: Ventilation Requirements & Infiltration  
2002 WINTER MEETING AGENDA**

Monday, January 14, 2002, 4:15 PM to 6:30 PM  
Atlantic City Convention Center (ACCC) 301

Subcommittee Meetings:

Handbook: Sunday, 5:00 PM to 6:00 PM, ACCC 301

Program: Sunday, 6:00 PM to 7:00 PM, ACCC 301

Research: Monday, 10:15 AM to 12:00 PM, ACCC 301 ← **NOTE NEW TIME**

**1. Self Introductions**

- Voting members please sit at the table
- All please sign the attendance list; please check your contact data on printout

**2. Attendance & Quorum Check**

Voting members for this meeting: Boome, Lstiburek, McIvor, Petersen, Ratcliff, Reardon, Taylor, Weston, Wray, Yuill, Zhang, Feustel (IM), Liddament (IM).  
(11+2 IM, simple maj.=6, super maj.=7)

**3. Approval of the Last Meeting's Minutes (on web pages)**

**4. Announcements & Liaisons**

- TC 4.3's web pages: <http://hvac.arce.ukans.edu/ashrae/tc4.03/main.htm>
- Section 4 Meeting announcements
- TAC, RAC, Handbook, etc. liaisons
- ASHRAE Learning Institute (Boome)
- EHC: Environmental Health Committee (Cardenal)
- ARTI: Air-Conditioning & Refrigeration Technology Institute (Persily)

**5. Subcommittee Reports**

a. Research (Reardon):

- Active Research:
  - 1) "Exhaust Contamination of Hidden vs. Visible Intakes"  
1168-RP (Walker/Zhang/Ratcliff)
  - 2) "Heat Transfer During Residential Infiltration/Exfiltration"  
1169-RP (Reardon/Tuluca/Medina)
- Research Plan:
  - 1) "The Effect of Ganging on Pollutant Dispersion from Building Exhaust Stacks"  
1167-TRP (Chen/Kato/Ratcliff)
  - 2) Multiple Space Effects on Ventilation System Efficiency in Standard 62 (Taylor)
  - 3) Simplified Procedure for Calculating Exhaust/Intake Separation Distances  
(Taylor)
  - 4) Minimum Acceptable Dilution of Commercial Kitchen Exhaust (Carter)
  - 5) Ventilation, Leakage and IAQ in Elementary Schools  
(Reardon/Levin/Wyon/EHC)
  - 6) Occupant and Building Factors for Determining Ventilation Rates in Offices  
(Taylor/Fisk)
  - 7) Characterization of Infiltration and Ventilation in Mid- and High-Rise  
Multifamily Buildings (Reardon/Hill)

- Research Strategy Ad Hoc Subcommittee (Yuill/Rock/Ratcliff/Pinkston/Cardenal)
  - Unsolicited Research Proposals (URPs):
    - Any pending?
  - New research ideas to the Subcommittee's Chair
- b. Program (Weston):
- Atlantic City: Seminar “Criteria for Specifying Acceptable Exhaust/Intake Systems”
  - Future sites:
    - Symposia: Mid & Highrise Residential; Airflow around Buildings and Wind Pressure Effects; Avoiding Fume Reentry; Vent. & IAQ in Daycare Ctrs.
    - Seminars: Exhaust Design Criteria; ETS Control
    - Forums: 62.1 & 62.2 Issues
  - Practices/Principles Track Ad Hoc Subcommittee (Boome/Weston/Carter)
  - New program ideas to the Subcommittee's Chair
- c. Handbook (Ratcliff):
- Handbook series rewrite affecting all TCs
  - Building Air Intake and Exhaust Design, 2003 Applications (?)
  - Airflow Around Buildings, 2005 Fundamentals (?)
  - Ventilation and Infiltration, 2005 Fundamentals (?)
  - Handbook Needs Ad Hoc Subcommittee (Walker/Ratcliff/Carter/Zhang)
  - New chapter ideas to the Subcommittee's Chair
- d. Standards (Yuill):
- TC 4.3 is the cognizant TC for:
    - 62-2001/SSPC 62.1, Ventilation for/and Acceptable IAQ (in Commercial, Institutional, and High-Rise Residential Buildings)
    - SPC 62.2P, Ventilation and Acceptable IAQ in Low-Rise Residential Buildings
    - 119-1988 (RA94), Air Leakage Performance for Detached Single-Family Residential Buildings
    - 136-1993 (RA01), A Method of Determining Air Change Rates in Detached Dwellings
    - SPC 161P (CoC, TC 9.3 is Lead), Air Quality Within Commercial Aircraft
  - Others of interest:
    - 129-1997 (TC 5.3), Measuring Air Change Effectiveness
    - SPC 152P (TC 6.3), MOT ... Residential Thermal Distribution Systems
  - New standards ideas to the Subcommittee's Chair
- e. Honors (McIvor):
- Membership upgrades (associate member to member, fellow, life, ...)
  - Distinguished Service Award (15 pts.), Exceptional Service Award (45 pts.)
  - Other honors & awards available?

## 6. Old Business

Encouraging additional participation in subcommittee activities

## 7. New Business

Development of Technical Bulletins

## 8. Adjourn

Next meeting: June 24, 2002, ASHRAE Annual Meeting,  
Hilton Hawaiian Village Beach Resort & Spa, Honolulu, Hawaii