

ASHRAE Technical Committee 4.3: Ventilation Requirements & Infiltration

2001 ASHRAE Summer Meeting in Cincinnati

Hyatt Regency Hotel

Subcommittee Meetings:

Research: Monday, 2:15 PM to 4:15 PM, Hyatt/Hoosier (4)

Handbook: Sunday, 5:00 PM to 6:00 PM, Hyatt/ Muskateer (2)

Program: Sunday, 6:00 PM to 7:00 PM, Hyatt/ Muskateer (2)

Standards: None.

Honors: None.

AGENDA FOR THE GENERAL TC 4.3 MEETING

Monday, 4:15 PM to 6:30 PM, Hyatt/Hoosier (4)

1. Self Introductions

Voting members please sit at the table

All please sign the attendance list

Voting and corresponding members: please check your contact data on printout

2. Attendance & Quorum Check (Voting members for this meeting:)

Adeni, Wray, Rock, Reardon, Ratcliff, Weston, Feustel (IM), Liddament (IM), McIvor, Boome, Lstiburek, Petersen, Taylor, Yuill, Zhang. (13+2 IM, simple maj.=7, super maj.=8)

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

4. Announcements & Society 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?

5. Subcommittee Reports

a. Research (Craig Wray):

1. Research Plan:

- “Exhaust Contamination of Hidden vs. Visible Air Intakes”, 1168-RP, (Walker/Ratcliff/Zhang)
- “Heat Transfer during Residential Infiltration/Exfiltration”, 1169-RP, (Reardon/Tuluca/Medina)

2. Long Range Research Plan

Rank Title (Authors)

- | | |
|---|--|
| 1 | The Effect of Ganging on Pollutant Dispersion from Building Exhaust Stacks |
|---|--|

- 2 **(Ratcliff/Schuyler)**
Multiple Space Effects on Ventilation System Efficiency
- 3 **(Taylor/Liu)**
Simplified Procedure for Calculating Exhaust/Intake Separation Distances
- 4 **(Wilson/Taylor)**
Characterization of Infiltration and Ventilation in Mid- and High-Rise Multifamily Buildings **(Reardon/Hill)**
- 5 Minimum Acceptable Dilution of Commercial Kitchen Exhaust **(Carter)**
- 6 Ventilation, Leakage and IAQ in Elementary Schools **(Reardon/Liddament/EHC)**
- 7 Occupant and Building Factors for Determining Ventilation Rates in Offices **(Taylor/Fisk)**

3. Co-Sponsor Requests

4. Unsolicited Research Proposals (URPs): Any pending? See 4.3's WebPages for our RFP.

New research ideas to the subcommittee's Chair

b. Program (Theresa Weston):

Official Cincinnati Program: Seminar 8: Perspectives on ASHRAE's Residential Ventilation

Review Status on following from Previous program plan:

Cincinnati	Symposium	Ventilation and Infiltration in Mid and High Rise Residential Buildings	Jim Reardon	papers in review
Cincinnati	Symposium	Airflow around buildings and Wind Pressure Effects	Mike Ratcliff	Abstracts in hand (maybe split?)
Cincinnati	Symposium	Residential Ventilation	Diane Griffiths	Proposed, list of possible authors
Cincinnati	Symposium	Designing and Evaluating Exhausts to Avoid Fume re-entry and Adverse Health effect	John Carter (Victor Neuman)	call for papers - no abstracts (co-sponsor 9.10)
Cincinnati	Forum	62.2 Issues	Bruce Wilcox?	Proposed
Atlantic City (2)	Seminar	Health and Odor Design Criteria for Building Exhaust	Ron Petersen	Proposed
?	Symposium	Ventilation and IAQ in Day-care Centers	Cardenal	need to issue call for papers
?	Seminar	Technology Advancements on Tobacco Smoke	Art McIvor	?

New program ideas to the subcommittee's Chair

c. Handbook (Mike Ratcliff):

Airflow Around Buildings chapter for 2001 Fundamentals volume (John C.)
Ventilation and Infiltration chapter for 2001 Fundamentals volume (Iain W.)
Building Air Intake and Exhaust Design chapter for the 2003 Applications volume (?)

New chapter ideas to the subcommittee's Chair

d. Standards (Max Sherman/Gren Yuill):

TC 4.3 is the cognizant TC for:

62-1999/SSPC 62.1, Ventilation for/and Acceptable IAQ (in Commercial, Institutional and High-Rise Residential Buildings)

- Presentation by Andy Persily Chair SSPC62.1 on draft addendum 62n (revision of the Ventilation Rate Procedure)

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, A Method of Determining Air Change Rates in Detached Dwellings (status?)

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 (Gren Yuill / Art McIvor):

Membership upgrades (associate member to member, fellow, life, ...) {form?}

Distinguished Service Award (15 pts.) and Exceptional Service Award (45 pts.) {form?}

Other honors & awards available?

6. Old Business

Encouraging additional participation in subcommittee activities.

7. New Business

The following roster changes will take effect COB this meeting. Craig Wray – Chairman, James Reardon – Vice Chair and Research Subcommittee, Steven Taylor – Secretary

Safir Adeni and Brain Rock will be rolling off as voting members.

Additionally the following corresponding members have been added: Dianne Griffiths, Ted Stathoupolous, Steven Emmerich, Mike McDermott, Xudong Yang.

The outgoing chairman Safir Adeni thanks all committee members for their support.

8. Adjourn

Next TC 4.3 meeting at the ASHRAE Winter Meeting, Jan. 12–16, Atlantic City, N.J.