

ASHRAE Technical Committee 4.3: Ventilation Requirements & Infiltration

2001 ASHRAE Winter Meeting in Atlanta

Georgia World Congress Center (GWCC)

Subcommittee Meetings:

Research: Monday, 2:15 PM to 4:15 PM, GWCC - 310 E

Handbook: Sunday, 5:00 PM to 6:00 PM, GWCC-254 W

Program: Sunday, 6:00 PM to 7:00 PM, GWCC-254 W

Standards: None. Contact Max Sherman to volunteer.

Honors: None. Contact Gren Yuill to volunteer.

AGENDA FOR THE GENERAL TC 4.3 MEETING

Monday, 4:15 PM to 6:30 PM, Hyatt/Greenway E (2)

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):

Research Plan:

1) "The Effect of Ganging on Pollutant Dispersion from Building Exhaust Stacks", 1167-WS (Ratcliff/Schuyler)

- 2) "Exhaust Contamination of Hidden vs. Visible Air Intakes", 1168-TRP (Walker/Wilson)
- 3) "Multiple Space Effect on Ventilation System Efficiency" (Taylor/Liu)
- 4) "Simpl. Procedures for Calc. Exhaust/Intake Separation Distances" (Wilson/Taylor)
- 5) "Char. of Inf. and Vent. in Mid and High-Rise Multifamily Buildings" (Reardon/Hill)
- 6) "Minimum Acceptable Dilution of Commercial Kitchen Exhaust" (Carter)
- 7) "Ventilation, Air Leakage, and IAQ in Elementary Schools" (Taylor)
- 9) "Occupant and Building Factors for Determining Ventilation Rates" (Taylor)

Co-Sponsor Requests

- a. "Computational Prediction and Analysis of Natural Ventilation" TC 4.10 (Chen)
- b. "Airflow pattern and open structure infiltration analysis of large industrial facilities", TC9.2 (Axley)

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):

Minneapolis: Forum on 62.2; Symposium on Residential Vent./IAQ; Poster paper

Atlanta: Forum on 62.1; Symposia on Airflow Around Building, Mid & Highrise Residential; Seminar on Exhaust Design Criteria

Cincinnati: Forum on 62.2; Symposia on Avoiding Fume Reentry, Residential Vent.

Future sites: Symp. on Vent. & IAQ in Daycare Ctrs.; Seminar on ETS Control

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):

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)*

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):

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

Current ASHRAE Status on Research Activities /Funding

Encourage others to participate in TC 4.3's subcommittee work

8. Adjourn

**Next TC 4.3 meeting at the June 23-27, ASHRAE Annual Meeting, Hyatt Regency,
Cincinnati, OH**