

TC/TG/TRG MINUTES COVER SHEET

TC/TG/TRG NO.: TC 5.8 DATE: 30 JANUARY 2001
 TC/TG/TRG TITLE: INDUSTRIAL VENTILATION

DATE OF MEETING: MONDAY, 29 JANUARY 2001

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
T. AXLEY	00 (04)	G. ADAMS	00 (04)	B. BLACKMORE, V
H. BAGHERI	99 (01)	E. RAVERT	99 (03)	M. FREEMAN, V
Y. CHEN	00 (04)	V. SHAH	99 (03)	R. GAMBOA, (Section Head)
V. FEDKIW (INT'L)	99 (03)			P. GUPTON, CM
C. JOPPOLO (INT'L)	00 (04)			G. KNUTSON, CM
D. GHOSH	99 (03)			B. NAVAS, V (SMACNA)
W. KUMPF	99 (03)			V. PEPPERS, CM
W. LAWTON	99 (01)			D. PHILLIPS, CM
T. TALBOTT	99 (03)			W. SCHWARTZ, V
A. ZHIVOV	99 (01)			E. SEILER, CM
				R. SIKKEMA, CM
				J. RILEY (Intermountain-PI)
				J. VANGILDER, V
				A. WOODY, CM

DISTRIBUTION:

ALL MEMBERS OF TC/TG/TRG

TECHNICAL ACTIVITIES COMMITTEE (TAC) CHAIRMAN: EDWARD B. GUT

TAC SECTION HEAD: RICARDO R. GAMBOA

LIAISONS:

RAC Research: BRIAN J. WEBB

Program: MICHAEL B. PATE

Journal: JAMES B. CUMMINGS

Handbook: MICHAEL A. RATCLIFF

Standards: PIOTR A. DOMANSKI

Standards: CLAIRE B. RAMSPECK (STAFF)

TEGA: DAVID T. GRIMSRUD

Research: WILLIAM W. SEATON (STAFF)

Technical Services: MARTIN J. WEILAND (STAFF)

ADDITIONAL DISTRIBUTION: Corresponding Members

ASHRAE TC/TG/TRG ACTIVITIES SHEET

Date: 29 January 2001 Meeting Location: Atlanta, GA
 TC/TG/TRG No.: TC 5.8 TC/TG/TRG Title: Industrial Ventilation
 Chairman: Wayne Lawton Vice Chairman: Hank Bagheri Secretary: Todd Talbott

TC/TG/TRG MEETING SCHEDULE				
Location: Past 12 months/Date		Location: Planned next 12 months/Date		
Minneapolis, MN Atlanta, GA	26 June 2000 January 2001	Cincinnati, OH Atlantic City, NJ	June 2001 January 2002	
TC/TG/TRG SUBCOMMITTEES				
Function		Chair		
Membership Program Handbook Standards Research Displacement Ventilation Journal Web Master		D. Ghosh V. Shah H. Bagheri D. Ghosh Y. Chen T. Talbott P. Gupton V. Fedkiw		
Current Research Titles		Contractor	PMS Chair	Reports
983-TRP Design Approaches to Industrial Ventilation		Intermountain Research	Lawton	WS
Long Range Research Plan				
Rank	Title	WS Author	Approved	To R&T
1	WS - The Design of Displacement Ventilation Systems within Industrial Facilities	Yes	No	No
2	RTAR - Airflow Pattern and Open Structure Infiltration Analysis of Large Industrial Facilities	Yes	No	No

HANDBOOK RESPONSIBILITIES				
Year/Volume	Chapter	Title	Deadline	Sub Chair
2003 HVAC Applications	28	Ventilation of the Industrial Environment	Atlantic City 2002	
2003 HVAC Applications	29	Industrial Local Exhaust Systems	Atlantic City 2002	
STANDARDS ACTIVITIES				
ASHRAE Standard 62.1 - Should industrial ventilation be added or stand alone?				
TECHNICAL PAPERS from sponsored Research (past 3 years, present and planned)				
None				
TC/TG Sponsored Symposia (past 3 years, present and planned)				
Displacement Ventilation			Atlantic City 2002	
TC/TG Sponsored Seminars (past 3 years, present and planned)				
Case Studies on Industrial Ventilation Projects Displacement Ventilation Oil Mist Removal Systems			Toronto 1998 Dallas 2000 Atlanta 2001	
TC/TG Sponsored Forums				
Displacement Ventilation Systems-What is it and Where is it Used? New Proposed Industrial Particulate Levels and Wet Machining Oil Mist in the Industrial Environment. Does ASHRAE Need a Self-Study Course in Industrial Ventilation?			Chicago 1999 Minneapolis 2000 Atlanta 2001	
JOURNAL PUBLICATIONS (past 3 years, present and planned)				
None				

Submitted by: _____

Todd A. Talbott

**ASHRAE MEETING MINUTES
TC 5.8 INDUSTRIAL VENTILATION
ATLANTA, GA 29 JANUARY 2001**

CALL TO ORDER:

Lawton

INTRODUCTION:

Lawton

Initially nine (9) of thirteen (13) members were present constituting a quorum. A tenth member (INT'L) joined us later in the proceedings.

SECTION HEAD/CHAIRMAN REPORT:

Lawton

- ASHRAE is seeking mini technical publications for electronic transfer across the web.
- ASHRAE is making copies of seminar overheads available for purchase at meeting bookstores.
- Tech Corner is to be an added feature article in the ASHRAE Insights.

MINUTES:

Talbott

E-mails of minutes and agendas are received in jumbled format. Suggested that files be save as MS Word 5.0 documents in order to circumvent future problems. T. Axley moved that the June 2000 Minneapolis Meeting Minutes be approved, B. Kumpf seconded **Motion passed 9/0/0/4/12**

MEMBERSHIP:

Lawton

Vice Chairman Hank Bagheri requested a one year extension before taking on the Chair position. Past chairs present at the meeting were asked to fill in. None volunteered. W. Lawton agreed to serve another year if so elected by the TC. B. Kumpf motioned that W. Lawton be accepted to serve the third year, D. Ghosh seconded. **Motion passed 8/0/1/4/12**

PROGRAM:

Lawton for Shah

Atlanta - January 2001:

Forum: *Does ASHRAE Need A Self-Study Course in Industrial Ventilation?* (Lawton)

Cincinnati - June 2001:

Seminar: *Industrial Ventilation in the Automotive Environment, Part 1* (Zhivov)

TC 5.4 Forum: *Should You Recirculate Exhaust Air from Industrial Air Cleaners?* (Cosponsor)

TC 9.2 Seminar: *Power Plant Ventilation* (Cosponsor)

Atlantic City - January 2002:

Seminar: *Industrial Ventilation in the Automotive Environment, Part 2* (Zhivov)

Symposium: *Displacement Ventilation Systems in the Industrial Environment* (Talbot)

TC 5.4 Seminar: *Safety Considerations in Designing and Installing Air Pollution Devices* (Cosponsor)

HANDBOOK:

Bagheri

The reviews for Chapters 28 and 29 need to be in to ASHRAE HQ January 2002
A Handbook Subcommittee was formed (check Hank for names) and will meet
Sunday 1-3 pm.

ACTION 1: Handbook Subcommittee and TC Members are to review and submit comments and suggested corrections to Hank before April 2001. Hank is to compile comments and back to commentors prior to the Cincinnati meeting for final review and bring before TC for vote.

ACTION 2: A. Zhivov is to submit all foreign documents referenced in these chapters to Intermountain Research, PI for RP-983 for translation and submittal to ASHRAE. Text in the chapters not supported by translated documents will be removed.

STANDARDS:

SSPC 15 “Safety Code for Mechanical Refrigeration” (Lawton)

ACTION: Wayne Lawton to send letter to TC 10.1 before Cincinnati meeting noting our concern of the ventilation equation origin and applicability.

SPC 110R “Performance Testing of Laboratory Fume Hoods” (Knutson)

Ten subcommittees are actively involved in beginning the work.

SSPC 62.1 “Indoor Air Quality” (Axley)

Several TC’s are to be asked to review and comment on the proposed Addendums, specifically N. TC 5.8 is questioning whether the “industrial ventilation” references should remain but be modified in the current standard or whether a separate standard is required.

C. Joppolo motioned that a Standard 62 Subcommittee be formed to address these options and present their recommendation to TC.

D. Ghosh seconded

Motion passed 10/0/0/3/13

W. Lawton volunteered as chair, T. Axley, R. Sikkema, A. Zhivov and H. Bagheri are members.

RESEARCH:

Chen

983-TRP Design Approaches to Industrial Ventilation (Lawton)

John Riley representing Intermountain Research (PI) reported that some literature translation of various documents had been completed. He described one example where a disparity between some current document and the Russian example it was taken from. The PMS had requested the PI to focus first on the documents referenced in Chapters 28 and 29 of the Applications Handbook for accuracy, especially the foreign documents and to suggest example problems and tables to replace the complicated theory and equations.

1174-S Ventilation Systems and Indoor Air Quality in Ice Skating Rinks (Chen)

ON HOLD

- RTAR Airflow Patterns and Open Structure Infiltration Analysis of Large Industrial Facilities (Axley)
- NO PROGRESS
- WS Airflow Measurement of Biological Safety Cabinets (Knutson)
- NO PROGRESS
- RTAR Energy Conservation in Industrial Ventilation Systems
- Write 1 page RTAR in Cincinnati (?)

DISPLACEMENT VENTILATION SUBCOMMITTEE: **Talbott**

Committee decided re-incorporate the controlled test cell for determining design limitations of various design practices prior to in-field verifications. Members to make comments to current WS and send them to D. Phillips by first week of March for review and possible vote in Cincinnati. A. Woody suggested that the scope include energy savings benefits of displacement and what a useful tool a design guide would be. He also suggested the committee look to manufacturers of displacement diffusers and others for funding.

TC 5.2 DUCT DESIGN LIAISON REPORT: Talbott

A revised WS for the Design Guide For Duct Systems (1180-TRP) was submitted to RAC for approval this week.

TC 5.2 is adding more exhaust hood loss coefficients to the Duct Fitting Data Base (DFDB) program. Their investigation into compound slotted exhaust hoods resulted in a question for TC 5.8. Why wasn't the additional loss coefficient data from RP 524 included into the ASHRAE Handbook Chapters? G. Knutson indicated that the committee at that time found the RP 524 data to confer with the compound hood configurations presented in the handbook and elected not to expand the content of the chapter. T. Talbott informed TC 5.2 members of this verbally. TC 5.2 is free to incorporate the additional information at their discretion.

INTERNATIONAL LIAISON REPORT:

Zhivov

The INVENT Industrial Ventilation book will soon be available through ASHRAE for about \$100. Publisher is Academic Press. 18 countries and 50 writers contributed to the book

WEB MASTER:

Peppers

Vern was nominated to TAC and asked to removed and declined to serve another year as webmaster. V. Fedkiw offered to take over the responsibilities as well as space on his personnel website for TC 5.8 postings.

ADJOURN:

Lawton

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