

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E. / Atlanta, GA 30329
404-636-8400

TC/TG/TRG MINUTES COVER SHEET

TC/TG/TRG NO.: TC 5.8 DATE: 19 MARCH 2002

TC/TG/TRG TITLE: INDUSTRIAL VENTILATION

DATE OF MEETING: MONDAY, 14 JANUARY 2002

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
G. ADAMS	00 - 04	T. AXLEY	00 - 04	A. LIVCHAK - CM
H. BAGHERI	01 - 02	Q. CHEN	00 - 04	V. PEPPERS - CM
V. FEDKIW (I)	99 - 03	D. GHOSH	99 - 03	G. SCHUYKER - CM
J. JOPPOLO (I)	00 - 04	D. PHILLIPS	01 - 05	W. SCHWARTZ - V
G. KNUTSON	01 - 05	E. RAVERT	99 - 03	
W. KUMPF	99 - 03	V. SHAH	99 - 03	
W. LAWTON	01 - 02	R. SIKKEMA	01 - 05	
T. TALBOTT	01 - 03			

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: 14 January 2002 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		
Cincinnati, OH	June 2001	Honolulu, HI	June 2002	
Atlantic City, NJ	January 2002	Chicago, IL	January 2003	
TC/TG/TRG SUBCOMMITTEES				
Function		Chair		
Membership		D. Ghosh		
Program		V. Shah		
Handbook		H. Bagheri		
Standards		D. Ghosh		
Research		Y. Chen		
Displacement Ventilation		T. Talbott		
Journal		P. Gupton		
Current Research Titles		Contractor	PMS Chair	Reports
983-TRP Design Approaches to Industrial Ventilation		Intermountain Research	Lawton	Final Report
Long Range Research Plan				
Rank	Title	WS Author	Approved	To R&T
1	WS - The Design of Displacement Ventilation Systems within Industrial Facilities	Yes	Yes	Yes
2	RTAR - Airflow Pattern and Open Structure Infiltration Analysis of Large Industrial Facilities	Yes	No	No
3	RTAR - Energy Conservation in Industrial Ventilation Systems	No	No	No

HANDBOOK RESPONSIBILITIES				
Year/Volume	Chapter	Title	Deadline	Sub Chair
2003 HVAC Applications	28	Ventilation of the Industrial Environment	Atlantic City 2002	Bagheri
2003 HVAC Applications	29	Industrial Local Exhaust Systems	Atlantic City 2002	Bagheri
STANDARDS ACTIVITIES				
None				
TECHNICAL PAPERS from sponsored Research (past 3 years, present and planned)				
None				
TC/TG Sponsored Symposia (past 3 years, present and planned)				
TC/TG Sponsored Seminars (past 3 years, present and planned)				
Displacement Ventilation Oil Mist Removal Systems Displacement Ventilation – Design Approaches Safety Considerations ... Air Pollution Devices (Cosponsor) Air-to-Air Energy Recovery with Displacement Vent. (Cosponsor) Displacement Ventilation – Case History			Dallas 2000 Atlanta 2001 Atlantic City 2002 Atlantic City 2002 Honolulu 2002 Chicago 2003	
TC/TG Sponsored Forums				
New Proposed Industrial Particulate Levels and Wet Machining Oil Mist in the Industrial Environment. Does ASHRAE Need a Self-Study Course in Industrial Ventilation? Should ASHRAE Develop a Separate IAQ Standard?			Minneapolis 2000 Atlanta 2001 Atlantic City 2002	
JOURNAL PUBLICATIONS (past 3 years, present and planned)				
None				

Submitted by: _____

Todd A. Talbott

**ASHRAE MEETING MINUTES
TC 5.8 INDUSTRIAL VENTILATION
MINNEAPOLIS, MINNESOTA
26 JUNE 2000**

CALL TO ORDER:

Wayne Lawton

Chairman Wayne Lawton called the meeting to order at 4:30 p.m..

INTRODUCTION:

Wayne Lawton

All individuals present were asked to introduce themselves noting membership status and company affiliation. Eight (8) of fifteen (15) voting members were present at the beginning of the meeting thus constituting a quorum in which to conduct business.

SECTION HEAD/CHAIRMAN REPORT:

Wayne Lawton

ASHRAE hired a website developer – training on the website to take place in Hawaii.

Research is cutting back on funding.

TC 5.8 not involved in and cognizant standards development.

MINUTES :

Todd Talbott

B. Kumpf motioned that the minutes of the 25 June 2001 meeting in Cincinnati be approved, G. Knutson seconded.

Motion passed 8/0/0/7/13.

MEMBERSHIP:

Wayne Lawton

Membership Roll Over – Appointments as follows

Chairman – Hank Bagheri
Vice Chairman – Bill Kumpf
Program – Al Woody
Handbook – Wayne Lawton
Research – Yan Chen
Standards – Deep Ghosh
62.1 Liaison – Tom Axley
Membership – Open
Journal – Open

B. Kumpf motioned acceptance of the appointments, G. Adams seconded

Motion passed 7/0/1/7/13

PROGRAM:**Wayne Lawton**Atlantic City - January 2002:

Seminar 10: Displacement Ventilation Systems in the Industrial Environment – (Talbot)
Design Approaches

There was some confusion during the seminar as to the definition of Displacement Ventilation. Much discussion ensued whereby it was indicated that TC 5.3 has a definition and the current Displacement Ventilation WS seeks to define it as well. J. Joppolo indicated that Europe is releasing a D.V. guide that defines D.V. and would bring a copy for review of the TC. Thermal and contaminant control were discussed as was piston vs horizontal air displacement.

Seminar 25: Safety Considerations ... Air Pollution Control Devices (Cosponsor)

Someone asked whether the materials could be available on the website. Bill Kumpf iterated that the seminar materials do not go through peer review and cannot be made available by ASHRAE.

Honolulu – June 2002:

Seminar: Displacement Ventilation Systems in the Industrial Environment - (Talbot)
Case Studies

Postponed until Chicago – not enough abstracts received to make Honolulu.

Seminar: Air-to-Air Energy Recovery using Displacement Ventilation (Cosponsor)

Chicago – January 2003

Seminar: Industrial Ventilation in the Automotive Industry (Zhivov)

Wayne Lawton to contact Alex Zhivov to verify.

Symposium: Displacement Ventilation – Design Approaches (Talbot)

Todd Talbot to contact authors of the Atlantic City and postponed Honolulu seminar to remind authors to get their papers into ASHRAE for peer review process. The fact that the D.V. – Case Studies is being bumped to Chicago would suggest that this Symposium be bumped to Kansas City or later. Discuss at Chicago!

HANDBOOK:**Hank Bagheri**

Hank passed out copies of Chapters 28 and 29. Wayne Lawton mentioned he had a meeting with the PI on RP-983 requesting further clarification and revisions to the final report. Wayne distributed the preliminary Final Report to the TC and indicate he'd try to get the revisions completed by the end of February. He asked if the TC would accept the recommendation in approving the Final Report so he

could forward a letter ballot to the TC sometime in March. The TC asked if we had any reservations on the work performed against the scope to which there was none. Wayne indicated the materials sought from Alex were delivered and that he'd be going over the final report to determine what if any information should be incorporated into the chapters as clarifications or new design information.

The TC elected to prioritize the options for revising the chapters as noted below;

1. Use the information presented in the 1991 Applications, make necessary cosmetic corrections and incorporate any of the 1995 and 1999 information supported by the RP-983 Final Report.
2. Remove Chapters 28 and 29 completely.
3. Resubmit chapters as they appeared in 1991.

Wayne Lawton to ask ASHRAE to scan the 1991 text to help in the process. Chapter revisions are due in June 2002.

STANDARDS:

Deep Ghosh

SSPC 15 Safety Code for Mechanical Refrigeration

(Lawton)

A formula for ventilating refrigeration equipment exists that is of unknown origin. Bill Kumpf stated that the equation was probably generated by the Mechanical Code or the Ammonia Refrigeration Institute and was more adequately addressed by TC 10.1 Custom Engineered Refrigeration Systems than TC 5.8 Industrial Ventilation. The committee recommended that W. Lawton write a letter to the TC 10.1 chairman noting our concern of the equations origin and applicability.

SPC110R

“Performance Testing of Laboratory Fume Hoods”

(Knutson)

Discussing placements of measurement devices and looking into new ejectors.

SSPC 62.1

“Indoor Air Quality” - NO REPORT

(Axley)

RESEARCH:

Yan Chen

983-RP

“Design Approaches to Industrial Ventilation”

PI submitted Final Draft as noted above but PMS requesting further corrections and clarifications before voting approval.

RTAR

“Airflow Patterns and Open Structure Infiltration Analysis of Large Industrial Facilities” - NO REPORT

(Axley)

WS

“Airflow Measurement of Biological Safety Cabinets”

(Knutson)

RTAR

“Energy Conservation in Industrial Ventilation Systems”

(Zhivov)

DISPLACEMENT VENTILATION SUBCOMMITTEE:

Todd Talbott

WS

“The Design of Displacement Ventilation Systems within Industrial Facilities”

The subcommittee recommended to the TC that the WS be approved for submission to RAC

B. Kumpf motioned acceptance and G. Knutson seconded

Motion passed 8/0/0/7/13

ADJOURN: 6:30pm

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