

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: 13 June 2003
 TC/TG/TRG TITLE: INDUSTRIAL VENTILATION

DATE OF MEETING: MONDAY, 27 JANUARY 2003

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
G. ADAMS H. BAGHERI Q. CHEN D. GHOSH G. KNUTSON W. KUMPF D. PHILLIPS	00 - 04 02 - 04 00 - 04 99-03 01-05 02 - 03 01-05	T. AXLEY V. FEDKIW (I) J. JOPPOLO (I) T. TALBOTT	00 - 04 01-03 00 - 04 01-03	V. PEPPERS - CM G. SCHUYKER - CM W. SCHWARZ - V A WOODY - CM R. JAUCH, JR. -V J. DIRKES II-V S. KAKYONCU-V G. POTTER SR. -V A. ZHIVOV-CM G. MENZIES-V W. LAWTON-CM K. MARPLE-V J. CHELLMAN-V

DISTRIBUTION:

ALL MEMBERS OF TC/TG/TRG
 TECHNICAL ACTIVITIES COMMITTEE (TAC) CHAIRMAN: WILLIAM E. MURPHY
 TAC SECTION HEAD: DANIEL IN-HOUT III

LIAISONS:

RAC Research: BRIAN J. WEBB Program: MICHAEL R. BRAMLEY
 Journal: KIMBALL E. FERGUSON Handbook: MICHAEL A. RATCLIFF
 Standards: DAVOR NOVOSEL Standards: CLAIRE B. RAMSPECK (STAFF)
 TEGA: CHARLES E. GULLEDGE III Special Pubs: MARILYN A. LISTVAN
 ALI: ROBERT W. CROSBY Research: WILLIAM W. SEATON (STAFF)
 Technical Services: MICHAEL R. VAUGHN (STAFF)

ADDITIONAL DISTRIBUTION: Corresponding Members

ASHRAE TC/TG/TRG ACTIVITIES SHEET

Date: 27 January 2003 Meeting Location: Chicago, IL
 TC/TG/TRG No.: TC 5.8 TC/TG/TRG Title: Industrial Ventilation
 Chairman: Hank Bagheri Vice Chairman: Bill Kumpf Secretary: Al Woody

TC/TG/TRG MEETING SCHEDULE				
Location: Past 12 months/Date		Location: Planned next 12 months/Date		
Honolulu, HI	June 2002	Kansas City,	June 2003	
Chicago, IL	January 2003	Anaheim, CA	January 2004	
TC/TG/TRG SUBCOMMITTEES				
Function		Chair		
Membership		H. Bagheri		
Program		A. Woody		
Handbook		W. Lawton		
Standards		D. Ghosh		
Research		Y. Chen		
Displacement Ventilation		W. Lawton		
Journal		P. Gupton		
Current Research Titles		Contractor	PMS Chair	Reports
983-TRP Design Approaches to Industrial Ventilation		Intermountain Research	Lawton	Final Report Approved
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	Kansas City 2003	Lawton
2003 HVAC Applications	29	Industrial Local Exhaust Systems	Kansas City 2003	Lawton
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)				
Oil Mist Removal Systems			Atlanta 2001	
Displacement Ventilation – Design Approaches			Atlantic City 2002	
Safety Considerations ... Air Pollution Devices (Cosponsor)			Atlantic City 2002	
Industrial Exhaust Systems Recirculation – Yes or No			Anaheim 2004	
Sustainability of Industrial Heating, Ventilating and Cooling Equipment			Nashville 2004	
Worker Comfort in Industrial Facilities – What Works (Cosponsor)			Nashville 2004	
TC/TG Sponsored Forums				
Does ASHRAE Need a Self-Study Course in Industrial Ventilation?			Atlanta 2001	
Should ASHRAE Develop a Separate IAQ Standard?				
Handbook Chapters: Ventilation of the Industrial Environment and Industrial Local Exhaust Systems			Atlantic City 2002 Chicago 2003	
What's Needed to Get More Energy Savings with Industrial Ventilation Systems			Chicago 2003	
JOURNAL PUBLICATIONS (past 3 years, present and planned)				
None				

Submitted by: _____

Alfred W. Woody

**ASHRAE MEETING MINUTES
TC 5.8 INDUSTRIAL VENTILATION
CHICAGO, ILLINOIS
27 JANUARY 2003**

CALL TO ORDER:

H. Bagheri

Chairman Hank Bagheri called the meeting to order at 4:32 PM.

INTRODUCTIONS:

H. Bagheri

All individuals present were asked to introduce themselves noting their membership status and company affiliation. Seven (7) of nine (9) voting members were present at the beginning of the meeting thus constituting a quorum in which to conduct business.

MINUTES

B. Kumpf motioned that the amended minutes of the 14 January 2002 meeting in Atlantic City be approved, W. Lawton seconded. Motion passed 6-0-1-2.

MEMBERSHIP

H. Bagheri

Appointments for next term;

TC Voting Members:

Alfred Woody, Wayne Lawton, Vernon Peppers, Seden Kalyoncu, Robert T. Jauch, Jr.

Corresponding Members:

Alexander Zhivov, Walter Schwarz, Kevin Marple, George Menzies

SECTION HEAD REPORT

H. Bagheri

TC website needs to be updated so it goes through ASHRAE HQ. We can put Seminar presentations on web site, but need to add a disclaimer regarding the information given. Members' bio data need to be updated. New format of ARCOM specification regarding changes in Division 15 was discussed.

Handbook issues – Upgrade of handbook chapters is an on-going effort, although each handbook is published every four years. CD is now ASHRAE's standard form of handbook to the members.

ASHRAE's Learning Institute (ALI) needs to have a coordinator from every TC. Knutson volunteered to serve.

Standards will be updated every five years.

GPC 21 – Battery room Ventilation is a joint venture between ASHRAE and IEEE. The concern is Hydrogen gas and toxic gases.

HQ is asking for articles for the Journal

Bill Coad's report of handbook chapters was discussed.

Program

Al Woody

Chicago – January 2003

Forum 1: Handbook Chapters: Ventilation of the Industrial Environment and Industrial Local Exhaust Systems – Sunday 8:00 AM (W. Lawton)

Attended by 12 to 15 people

Comments made: Keep the Handbook easy to use, simple and friendly. Got little input as to what information should be in the Chapter. Audience mainly wanted information as to how to design a system; similar to the information given in the Industrial Ventilation Manual.

Forum – What's Needed to Get More Energy Savings with Industrial Ventilation Systems, (A. Woody)

Anaheim – January 2004

Industrial Exhaust System Recirculation – Yes/No, (W. Lawton)

Co-sponsor with TC 5.4, 9.11

- Energy considerations
- Air monitoring requirements and approach
- Equipment considerations
- Case examples

Nashville – June 2004

Sustainability of Industrial Heating, Ventilating and Cooling Equipment (A. Woody)

- System life
- Unitary vs. Central equipment
- Employee productivity impact
- First cost vs. operating costs
- Third Party owned and operated systems

HANDBOOK

W. Lawton

Chapters 28 and 29 for 2003 Handbook. Chapters have been approved for 2003 Handbook.

Chapter 31 for 2004 Handbook. Chapter will be emailed to members for final review before submitting to ASHRAE.

STANDARDS

D. Ghosh

- | | |
|-----------|---|
| SSPC 15 | Safety Code for Mechanical Refrigeration (W. Lawton)
A question was raised regarding a formula used in Standard 15 as to its origin. W. Lawton will write letter to SSPC. |
| SSPC 62.1 | Indoor Air Quality – Ventilation Standard for Industrial Environments (T. Axley) |
| SSPC 100R | Performance Testing of Laboratory Fume Hoods (G. Knutson) Standard 110 is moving forward as a due date is quickly approaching. G. Knutson reported that it is hoped that a draft will be available for review before the summer meeting in Kansas City. |

RESEARCH

Q. Chen

- | | |
|--------|---|
| 983-RP | Design Approaches to Industrial Ventilation
W. Lawton Work approved by TC via Letter Ballot |
| RTAR | Airflow Patterns and Open Structure Infiltration Analysis of Large Industrial Facilities (T. Axley)
Q. Chen will contact Axley to determine status |

WS Airflow Measurement of Biological Safety Cabinets – now RP 1212 being sponsored by TC 9.11 (G. Knutson)

RTAR Energy Conservation in Industrial Ventilation Systems – Get results of Tuesday's Forum and prepare RTAR in 3 months (A. Zhivov)

DISPLACEMENT VENTILATION COMMITTEE – Had 4 people attend so it was decided to stop having a special meeting and discuss displacement ventilation in the TC meeting.

IAQ SUBCOMMITTEE – W. Lawton Concern with Standard 62 and how it will affect industrial facilities.

TC 5.2 DUCT DESIGN LIASON –No report

INTERNATIONAL LIASON – (A. Zhivov) Industrial Ventilation Guide Book available in Bookstore. Now preparing more practical guidebooks organized by industry. Next Vent Conference will be in Japan.

WEB MASTER – (V. Fedkiw) No report

OLD/NEW BUSINESS – None

Meeting Adjourned at 6:36 PM

Chair– Hank Bagheri