

**TC 5.8 Industrial Ventilation
2013 Winter Conference
4:15 - 6:30 P.M. - Monday, January 28th, 2013
Sheraton Dallas Conference Center
Meeting Room: Majestic 5 (37th Floor)**

Call to Order

Chair Ken Mead called the meeting to order at 4:22. The chair introduced himself as did all present. The Voting members present were: Ken Mead, Wayne Lawton, John McKernan (via Go To Meeting), Mike Baucom, Bill Kumpf, Tom Axley, Bill Lampkin, and George Menzies. All voting members were present, constituting a quorum. In addition eight guests and corresponding members were present.

The committee meeting was conducted using Go To Meeting. One voting member attended via the internet. Although there were some technical problems at the beginning of the meeting, those present and attending via the internet felt that the web based meeting should be encouraged for future meeting.

Standard 90.1

Leon Shapiro (TC 5.8's liaison to SSPC 90.1), offered an avenue of communication between the TC 5.8 and Standard 90.1. Leon brought the TC up to date concerning Standard 90.1. He stated that for several years 90.1 has been moving forward to incorporate industrial facilities into Standard 90.1. Two years ago, the Title Purpose and Scope for Standard 90.1 was modified to include industrial spaces. Little has happened in the standard relative to industrial facilities; however, Standard 90.1 is moving forward.

Standard 90.1 wants to work with the industrial technical committees. Leon presented two suggestions proposed by the 90.1 committee:

- 1) The industrial committee form an Ad Hoc committee, with 1 or 2 people from each industrial TC, established to work with Standard 90.1.
- 2) The industrial committees, including TC 5.8, appoint a liaison to SSTP 90.1

Wayne Lawton recalled that the Industrial Technical Committees had previously offered to work with 90.1 and were told to back off.

A discussion ensued. The committee expressed several concerns:

- 1) There are substantial issues with safety and health related to airborne contaminants and heat recovery that are inconsistent with some of the Standard 90.1 provision.
- 2) Many industrial ventilation systems must operate at high velocities to prevent deposition of dust in the duct systems. This results in high system pressure drops and consequently high energy use.

- 3) Many Air Cleaning Devices have high pressure drop to provide the required removal of contaminants from the airstream.
- 4) The selection of the fan operating point is usually made on considerations other than optimum efficiencies. In fact, the maximum efficiency operating point is often unacceptable for system performance.
- 5) Industrial applications do not often select fans for optimum energy efficiencies.

There was a lot of push back for participation because of concern about the time commitment.

Ken offered to appoint a point person for TC 5.8.

Leon restated that he is looking for people from 5.4, 5.8, 9.2 etc., to be proactive as 90.1 looks at issues interfacing with industrial processes. He wants stakeholders to interface before 90.1 goes down the path. Anthony Arens agreed to be the TC 5.8 point person and Wayne Lawton and Al Woody agreed to help.

Minutes from San Antonio

The unofficial minutes from San Antonio have not been distributed. They will be reviewed by the Chair and the Secretary and will be distributed soon.

Report on Section 5 Head Meeting

Ken reported he attended the section head meeting Sunday morning. Highlights of the meeting included:

- 1) ASHRAE is soliciting nominations for the Hightower award. Bill Kumpf suggested George Menzies or Gerhard Knutson.
- 2) Rosters
 - a. Rosters (which will be effective after the Summer meeting) need to be updated at this meeting.
 - b. Provisional corresponding members can be appointed effectively immediately.
- 3) All meetings need to be open to the public with proper announcement.
- 4) The Bio page has been revised. Each committee member should review and revise their bio.
- 5) Use of Go To Meeting will be available on a limited basis at Dallas. TC 5.8 will be a Beta site
- 6) TC calendar is available.
- 7) ASHRAE has started speaker registration fees (previously speaker received complementary registration). If there is a real life story of hardship story pass it on to Ken.

Membership Roster Update

Ken discussed the current roster.

- 1) The roster will be updated after the TC meeting
- 2) John McKernan will assume the Vice Chair after Denver
- 3) Wayne Lawton and Mike Baucom will roll off as voting members after Denver
- 4) Gerhard Knutson will change to voting member after Denver
- 5) Wayne Lawton will no longer be Vice Chair or Research subcommittee chair after Denver
- 6) Gerhard Knutson will no longer be secretary after San Antonio
- 7) Anthony Arens will become a corresponding member

SUB COMMITTEE REPORT:

Ventilation of Hazardous Spaces

Mike Baucom reported on the Ventilation of Hazardous Spaces subcommittee meeting, which was held Sunday night. The meeting was productive meeting. The subcommittee worked on a letter, related to the WARNING STATEMENT, as approved by the TC at the February, 2012 (responders: 6 yes, 0 no, and 3 non-responders).

Handbook

John McKernan and Ken Mead provided the handbook subcommittee report.

- 1) The handbook subcommittee has reviewed the current Handbook chapter.
- 2) Committee members are requested to review the chapter to identify issues that need to be addressed.
- 3) Depending upon new content, Ken and John will recruit someone to help write the revision.
- 4) Proposed schedule
 - a. Subject matter and topics in the next month.
 - b. The revisions or new text will follow by mid to late summer.
 - c. Copy of revised chapter to committee by late winter.
 - d. Final revisions by the January 2014 meeting.

Research

Wayne Lawton reported on Research activities:

- 1) Currently the TC has no active programs.
- 2) If any member or CM has ideas for research, send them to Wayne. He will get a group together to write the RTAR.
- 3) Currently Research has money but few work projects. The time is right. In addition, we currently have an excellent Research Liaison who will be very helpful.

- 4) TC 9.10 (Laboratory Systems) is proposing an RTAR on heat wheels that may interest the industrial technical committees.

Program: Al Woody

- 1) Gerhard reported on Seminar 17: Ventilation of the industrial Environment.
 - a. We had four talks:
 - i. Liming Lo – Engineering Control Strategy for Nanoparticles
 - ii. Ken Mead (for Alberto Garcia): Engineering Control in Flavoring Industry that Focused on the Protection of Workers from Acquiring Popcorn Lung
 - iii. Raoul Webb, Foundry Applications – Removal of Triethylamine and Sand Simultaneously
 - iv. Duncan Phye: CFD Modeling of Ventilation of a Composting Facility
- 2) One of the Denver tracks is HVAC Equipment.
 - a. We do not have any program planned for Denver.
- 3) The New York tracks include:
 - a. HVAC Equipment
 - b. Environmental Health though Indoor environmental quality
 - c. Controls through information systems
 - d. Building performance and commissions

Standards: Deep Ghosh

ASHRAE Guideline 21 *Battery Ventilation* has recently been completed.

Website Report:

Mike Baucom reported that all the links on the website were lost (cause not determined). These will be restored shortly.

Old Business: None

New Business: None

Next Meeting:

The next meeting will be in Denver on June 24, 2013 at 4:15 PM. ASHRAE will publish the room as we approach the Denver Meetings.

Adjournment

Wayne moved adjournment

6:14 adjourn

Respectfully submitted:

Gerhard Knutson

January 29, 2013