

**TC 5.4
LAS VEGAS, NEVADA
LAS VEGAS CONVENTION CENTER
JANUARY 31, 2010
DRAFT MINUTES**

Note: These draft minutes have not been approved and are not the official approved record until approved by the committee.

Meeting Location: Las Vegas Convention Center

TC Scope: Technical Committee 5.4 is concerned with the removal of particulate matter and gaseous emissions from industrial processes and operations.

Chair Gerhard Knutson called the meeting to order at 2:16 pm. The Chair introduced himself and requested each person present do likewise.

TC 5.4 Members present: Matt Kalis, Bruce McDonald, Kyung-Ju Choi, Monroe Britt, Bob Burkhead, Gerhard Knutson, Wayne Lawton, and Kevin Marple) Member non-quorum (Kuiper) - absent.

There are 8 voting members present constituting a quorum.

Guests present: George Menzies; Andy Sorenson; Ed Dusch; Tim Hudson; Pablo Tronville; Carol Marriott.

Corresponding Members present: Jim Hanley; Nathaniel Nance; Mike Handley.

Liaison Reports (Gus Mastro) – Gus encouraged the committee to get the website up and running for the benefit of not only the committee but potential members. Roster update due February 10th, 2011, with activity sheet. Gus also reminded everyone that the upcoming summer Annual meeting is in Canada and passports are required for crossing the border.

Minutes (Marple)

See the attached minutes from Albuquerque. Bruce McDonald moved to approve. Bob Burkhead seconds the motion. Albuquerque minutes were approved 7-0-0. Two voting members absent – Lee Morgan and David Hurd.

RP 1284 (Morgan/Burkhead) (Final report) – Final report was completed one year ago. Hard copy deliverables sent to Society. There are two Transaction articles in the works. Bob Burkhead has a co-author to assist.

SPC 199 (Knutson)

The committee membership has been established and it is now balanced:

- 1) Manufacturers: **Lee Morgan**, Bruce McDonald, and **Matt Kalis**
- 2) Users: Tom Axley, K-J Choi, and Ed Dusch
- 3) Other: Bob Burkhead, Monroe Britt, and Gerhard Knutson

The committee has met four times (including web-meetings) and developed a set of assignments. Three of the twenty have been completed and the committee is moving forward. A draft of the Standard is expected in three to three and a half years.

Research (Morgan/Hudson)

- Monroe Brit submitted the RTAR on Oil Mist. It was rejected with comments and Monroe will revise and resubmit.
- George Menzies recommended we look at ASHRAE “Target” research areas that the Board is looking at favorably.
- Wayne Lawton recommended the George use his influence with the Board regarding “life / safety” issues and research of same.
- Piotr Domanski – Research Liaison for TC 5.4
- Action Item: Check on Lee Morgan’s RTAR on Fine Particles – Tim Hudson will follow up.
- Discussed heavy metals. EPA will be publishing a document shortly for Industrial Boilers. More stringent (not utilities) field testing will be required by the EPA – Action Item: This is not for ASHRAE to work on.

Program (Lawton) – George Menzies suggested we consider a specific “historical” program that could be co-sponsored by the Historical Committee. Example: “What have we learned” presentation. It was suggested we have learn much over many years.

- a. Las Vegas – Nothing
- b. Montreal – Are we ignoring the industrial worker? What does the society suggest for industrial gas cleaning?
- c. Montreal – George: What have we learned? How not to do it or the evolution of air cleaning.
 1. Gerhard Knutson – development of shaker baghouses and early history
 2. Andy Sorenson – development of pulse jet
 3. Tim Hudson – development of cartridge collectors
 4. EPA regulations – where are we going with global regulations?
- d. Chicago – Gerhard suggested we secure all of section 5 to co-sponsor a forum on life safety. It was suggested by several committee members that we consider language related to environmental safety or health safety. Gerhard to develop a title for this by the Montreal meeting.
- e. San Antonio – Monroe: Historical gas turbines
- f. Future Topics – Nano Particle Testing was suggested by Jim Hanley

Handbook (Burkhead)

The time is quickly becoming short. What needs to be fixed that can be fixed now are our immediate concern. Complete full review at a later date (4 years), make notes for future revisions. April 25th, 2011 handbook chapter must be completed. Bob has sent out the chapter for the committee to review by the end of February. Vote of the TC will be conducted via email. Chapter is divided and distributed to the following committee members: Bob Burkhead, Monroe Brit; Andy Sorenson; Tim Hudson; Kevin Marple; and Ed Dusch. Bob will provide his timetable to meet the publication deadline

Section Head

Knutson reported on the Section 5 Meeting on Sunday

- 1) TAC has suggested a new system that allows TC's to group together to go after funding and program. This is an extension of co-sponsoring. The group could be directed from above or initiated by the TC's. The grouping will be formal with members and voting. The Section 5 chairs expressed some concern about the general approach being "Green" and that the programs would be directed closely from above.
- 2) The Section Chairs expressed concern that life safety is lost in ASHRAE. Life safety and fundamental issues not mentioned in 2011-2015 ASHRAE research plan. This implies that funding will be difficult. The main focus of ASHRAE is energy and we need to get back to fundamentals
- 3) If TC is responsible for a standard keep in mind the 5 years cycle. There are six questions to be discussed to determine if the standard should be reaffirmed, revised, or deleted. There TC should act on this at the meeting. (Our only standard is SPC 199 and no action is required).
- 4) Rosters are due on or before February 10, 2011
- 5) The web sites must be up and current.
 - a. ASHRAE offers help to get the web site running.
 - b. All the TC needs is an aggressive computer guru.
 - c. Some people have reported firewall problems with the web site.
- 6) ASHRAE is considering web-meeting options for subcommittees.
- 7) Remember that Canada (Montreal meeting) is a foreign country and we will need passports. Also, be careful about carry-on luggage as Canadian carriers are stricter about the size of the carry-on luggage than the US carriers.
- 8) The committee chairs requested that ASHRAE provide an email list (for example TC X.XX voting members and TC X,XX members) to allow better communication within the TC's

MBO (Marple) – Marple to work with Bob Burkhead on developing MBO's for committee by Montreal

Web Site (Kuiper) – ASHRAE will offer assistance but we need a computer champion to get this done. Kevin Marple will check out the ASHRAE Society offering.

Roster (Knutson)

Review Roster for 2010 – 2011.

- 1) TC 5.4 has nine members (Kalis, McDonald, Choi, Hurd, Britt, Morgan, Burkhead, Knutson, and Marple) with one Member non-quorum (Kuiper).
- 2) Knutson, Morgan, and Burkhead roll off on June 30, 2011.
- 3) Matt Kalis has changed job responsibilities and will leave the committee.
- 4) New members will be Ed Dusch, Tim Hudson and Andy Sorenson. Wayne Lawton will roll on.
- 5) Officers
 - a. Chair - Knutson
 - b. Vice Chair - Lawton
 - c. Secretary - Marple
 - d. Handbook - Burkhead
 - e. Research - Morgan

Standards (Lawton) – From 62's mailing list

Old Business (Knutson) – None

New Business (Knutson) – None

*Items in **RED** corrected at Montreal Annual Meeting. Minutes unanimously approved.
Adjourn: 3:53 pm.

Respectfully submitted,

Kevin Marple
TC 5.4 Secretary