ASHRAE TC 5.4
INDUSTRIAL PROCESS AIR CLEANING (AIR POLLUTION CONTROL)

Meeting Minutes
January 26, 2015 2:15PM to 4:15PM, Palmer House Hilton, Dearborn 3, Chicago IL
These draft minutes must be approved by this committee to be the official approved record.

Note: For votes concerning standards actions all members must be given an opportunity to vote. In the event all members are not present at the meeting a letter ballot will be sent to the absent members to vote, that will include all negative votes at the meeting and a Chair’s response. In the event negative votes are received during the continuation ballot a recirculation ballot will be conducted.

Negative voters with comment on publication public review votes will be given an opportunity to appeal once the Board of Directors has approved the document for publication. Negative voters who do not comment will not be offered a right to appeal.

Attendees (include voting members and guests, see sign in sheet below)

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Tim Hudson</td>
<td>Camfil</td>
<td>Bruce McDonald</td>
<td>Consultant</td>
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<tr>
<td>Bob Burkhead</td>
<td>Blue Heaven Technologies</td>
<td>Dave Schaal</td>
<td>Freudenburg</td>
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<td>Andy Untz</td>
<td>Donaldson</td>
<td>Adam Burmann</td>
<td>AAF</td>
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<td>Jason Guelda</td>
<td>AAF</td>
<td>Dan Bivens</td>
<td>RAC Chair</td>
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<td>Geoff Crosby</td>
<td>Lydall</td>
<td>Jack Clements</td>
<td>Consultant</td>
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<td>Chris Fischer</td>
<td>Donaldson</td>
<td>Daniel VanGilder</td>
<td>Camfil</td>
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<td>Monroe Britt</td>
<td>Greenleaf Technologies</td>
<td>KJ Choi</td>
<td>C&amp;S</td>
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<td>Christine Sun</td>
<td>Filtration Technologies</td>
<td>Bruce Duffy</td>
<td>Tri Dim Filter Corp</td>
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<tr>
<td>Ken Peet</td>
<td>TAC Section Head</td>
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- Call To Order
  - Meeting called to order at 2:23PM by Tim Hudson, Chair.

- Membership Roster
  - Roster needs to be updated on website.
    - Tim to check with Kevin Marple (he has typically volunteered his webmaster).

- Approval of minutes from last meeting
  Any votes should be recorded as (Yes, No, No with comment, Abstention, and Unreturned)
  - Minutes Reviewed from January 23, 2015 meeting
    - Chris Fischer motioned to approve, Bob Burkhead seconded.
    - Vote: 4,0,0,1,0

- Old business
  - Tech paper: due by April 20th for Orlando meeting
    - Bob Burkhead to write
  - Final article for ASHRAE Journal
    - Bob Burkhead to finish by April 20th.

Minutes submitted by: Chris Fischer, January 26, 2015
Minutes approved on: June 29, 2015
• TC Chair needs to send in Disposition of ASHRAE Sponsored Research form with article.

• **Sub-Committee Reports**
  o Research (Lee Morgan not present)
    ▪ RTAR 1623: Oil Mist (Monroe Britt)
      • Completed, rejected, rewritten, and finally accepted.
        o Started working on a work statement, but did not have sufficient help from the committee as a whole.
        o Recommend to not go forward unless there is more help
        o Bob just talked to Jerry Douglass, formerly of Robovent, who is still interested, and intends on attending TC5.4 in the future.
          ▪ Bob to contact.
        o Herman Schupp: a potential from Camfil, but based in Europe. Tim will contact.
  o Not in danger of being dropped, so this should still be pursued if there is sufficient interest.
  o Research Liaison should be a good asset to review and help
    ▪ Need new Research subcommittee chair
      • Jason Guelda nominated
        o Vote: 5,0,0,0,0
  o Standards (Gerhard Knutson not present)
    ▪ SPC199 completed draft Sunday in Chicago, sent to SPC199 Chair for further submission needs.
  o Handbook (Bob Burkhead)
    ▪ ASHRAE Handbook is getting modernized, have room to improve
    ▪ Chapter 30 to rewrite
    ▪ Deadline is July, but asked to send in April 25th.
      • Bob will send to all members of TC.
    ▪ Dated engineering drawings
      • Could be updated
      ▪ SPC 199 could be included
      ▪ ASHRAE already updated numbers (shown in red and green)
      ▪ Videos could be an option, as many companies already have them.
  o Program (KJ Choi) [see attached report below]
    ▪ Select correct track number, contact with the track chair
    ▪ Options
      • Workshop: 2 short presentations (~15 min each)
      • Forum: informal discussion, less chance to be accepted (Seattle only 1)
      • Seminar: submit a paper
    ▪ Mist Elimination (workshop)
      • Bob will be the chair
      • Atlanta, track 6 (IAQ)
      • Jerry Douglass, Schupp (Camfil), Donaldson (Andy to look into)
    ▪ SPC 199 (workshop)
      • Too early for Atlanta, potential for Orlando
    ▪ Explosion Suppression (workshop)
      • Andy Untz will be chair
      • Atlanta, track 6 (IAQ)
- Andy to look into Donaldson participation
- **New business**
  - New Research Liaison: David John, will take over at Atlanta meeting.
  - Membership drive
    - Need more members from people that are in the industry that don’t participate
    - Bob to see if he can recruit members.
- **Next Meeting**
  - June 29, 2015, Atlanta ASHRAE Convention
- **Adjourn**
  - Motion to adjourn by Geoff Crosby, seconded by Chris Fischer.
  - Meeting adjourned at 4PM.

Sign in sheet

<table>
<thead>
<tr>
<th>NAME</th>
<th>COMPANY</th>
<th>E-MAIL</th>
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<tbody>
<tr>
<td>Jack Clements</td>
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<td>Marcia Matt</td>
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<tr>
<td>Bruce Duffy</td>
<td>TriDimFilterCorp</td>
<td>bduffy@tri(dim.com)</td>
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TC 5.4 Programs (tentative)

ASHRAE MEETING Agenda – Chicago
TC 5.4 Program
Monday, 26-January-2015, 2:15-4:00pm
Palmer House Dearborn (7)

Atlanta, June 27-July 1, 2015 [www.ashrae.org/atlanta]

Dates:
Atlanta Meeting – Seminar/forum/workshop by Feb. 9, 2015

Speakers rating below 3.5 will receive letters indicating that if they receive two additional low rating they will be required to provide proof that they have received speaker training before they will be permitted to speak again. Seattle: 26 speakers had below 3.5/5.0

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<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>CoSponsor</th>
<th>Chair</th>
<th>When</th>
<th>Due Date</th>
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</thead>
<tbody>
<tr>
<td>Workshop</td>
<td>Industrial Pulse Clean Filtration – Birth of New Standard 199</td>
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<td>Gerhard Knutson</td>
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