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

Meeting Minutes
Jan 25, 2016 2:15PM to 4:15PM, Clermont Room, Orlando Hilton, Orlando FL
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>
<th>Name</th>
<th>Affiliation</th>
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</thead>
<tbody>
<tr>
<td>Bob Burkhead (VM)</td>
<td>Blue Heaven Technologies</td>
<td>Chris Lowell</td>
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<tr>
<td>Chris Fischer (VM)</td>
<td>Donaldson</td>
<td>Adam Bumann</td>
<td>AAF</td>
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<tr>
<td>KJ Choi</td>
<td>C&amp;S</td>
<td>Jack Clements</td>
<td>Consultant</td>
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<tr>
<td>Jason Guelda</td>
<td>AAF</td>
<td>Josh Marasco</td>
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<td>Geoff Crosby (VM)</td>
<td>Lydall</td>
<td>Kartik Potukuchi</td>
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<td>Jason Guelda</td>
<td>AAF</td>
<td>Andy Untz</td>
<td>Donaldson</td>
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<tr>
<td>Monroe Britt (VM)</td>
<td>Greenleaf Technologies</td>
<td>Anja Coeren</td>
<td>Freudenburg</td>
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<tr>
<td>Awad Khan</td>
<td>Freudenburg</td>
<td>GE Menzies</td>
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<tr>
<td>Ken Peet</td>
<td>TAC Section Head</td>
<td>David John</td>
<td>Section 5 RAC Liaison</td>
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<tr>
<td>Kyle Kisebach</td>
<td>Kisebach Engineering</td>
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- Call To Order
  - Meeting called to order at 2:15PM by Bob Burkhead, Vice-Chair (in lieu of Tim Hudson’s absence)

- Membership Roster
  - Voting Members Present (4 of 6, quorum): Geoff Crosby, Chris Fischer, Monroe Britt, Bob Burkhead
  - Member list needs to be updated
    - Tim Hudson to update roster
    - Adam Bumann needs to be listed as webmaster

- Approval of minutes from last meeting
  Any votes should be recorded as (Yes, No, No with comment, Abstention, and Unreturned)
  - Minutes Reviewed from June 29, 2015 meeting
    - Minutes not sent prior to meeting for review
    - Minutes will be sent after meeting and approved by letter ballot

- Section 5 Report: Kenneth Peet
  - Website out of date
    - Suggest using new ASHAE forum
    - Programs and Roster will automatically update

Minutes submitted by: Chris Fischer, January 25, 2016
Minutes approved on: June 27, 2016
• Easy to use, training docs available
• Mobile-friendly
• http://tc0504.ashraetcs.org/
• Need activity form and roster updated by Tuesday January 26, 2016

• Sub-Committee Reports
  o Research (Jason Guelda)
    ▪ RTAR 1623: Oil Mist (Monroe Britt)
      • Bob reached out to Jerry Douglas – too busy
      • Jason reached out to Tim Hudson regarding options from June.
        No news yet
        ▪ Tibor Lennor and Ralf Heist of Camfil Handte
      • Ultimate objective of RTAR would be a method of test
      • Bob interested in working on it, with Kartik Potukuchi assisting
    ▪ No other research subjects noted.
  o RAC liaison: David John
    ▪ Shortened form RTAR is an option.
    ▪ Bob to send Work Statement to David John
  o Standards (Chris Fischer, in lieu of Gerhard Knutson’s absence)
    ▪ SPC 199 draft sent out for 45-day public review
    ▪ No comments were received
    ▪ Published standard is expected late February or early March
    ▪ Motion by Chris Fischer: Continue current committee and its existing
      committee membership as a standing standards project committee
      ▪ Bob seconded
      ▪ Bob explained the difference between the two committee
definitions
      ▪ Vote passed (4,0,0,0,2)
    ▪ Tim indicated desire to have a webmeeting regarding increased flow and
dust loading
  o Handbook (Bob Burkhead)
    ▪ 2016 Systems and Equipment volume published
      ▪ No changes made
      ▪ Republish again in 2020
      ▪ Try to meet as a subcommittee at next meeting
        ▪ Bruce, Jack, Monroe, Tim, Andy & Jason
  o Program (KJ Choi) [see attached report below]
    ▪ St Louis
      ▪ Seminar and forum workshop deadline Feb 8, 2016
      ▪ “Explosion Suppression” workshop, Andy Untz
    ▪ Las Vegas
      ▪ Track 4 (Commercial and Industrial IAQ) Chair: Kevin Marple
        ▪ “Impact of Mist Elimination on Industrial Air Cleaning” workshop,
          Bob Burkhead
      ▪ Other ideas?
        ▪ Desire to heighten the awareness of TC5.4 within the general
          ASHRAE community
o Steel dust issue discussed as a potential topic focusing on industrial processes
  o Bob to develop title for seminar
- SPC199
  o Perhaps wait until standard has been published for a year

- Website (http://tc0504.ashraetcs.org/)
  o Adam Bumann nominated at last meeting to be webmaster
    ▪ Needs to be made
    ▪ Action items: update roster and add minutes

- Old Business
  o None

- New Business
  o Kyle Kisebach
    ▪ Is there any overlap with TC2.3 regarding RTARs?
    ▪ Bob: Should there be a gas-phase version of SPC199?

- Next Meeting
  o June 27, 2016, St Louis ASHRAE Convention

- Adjourn
  o Motion to adjourn by Geoff Crosby, seconded by Chris Fischer.
  o Meeting adjourned at 3:53PM.
TC 5.4 Programs (tentative)

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>CoSponsor</th>
<th>Chair</th>
<th>When</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop</td>
<td>Explosion Suppression</td>
<td>Andy Untz</td>
<td>St. Louis</td>
<td>Feb. 8</td>
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<tr>
<td>Workshop</td>
<td>Impact of Mist Elimination on Industrial Air Cleaning</td>
<td>Bob Burkhead</td>
<td>Las Vegas</td>
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<tr>
<td>Forum</td>
<td>Do you know SPC195P (?)</td>
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<tr>
<td>Seminar</td>
<td>Health Issues related to Industrial Cleaning (?)</td>
<td>Chris Fischer</td>
<td>Long Beach</td>
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Sign in sheet