

# Minutes of the ASHRAE TC 8.12 Meeting

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*June 24<sup>th</sup>, 2013 – Denver, CO*

1. Meeting called to order by Chairman Norm Maxwell at 2:27pm. Roll call of members and guests. Five voting members, five non-voting members (one international and therefore non-quorum) present so a quorum was present.
2. Norm Maxwell passed around the roster
3. Norm Maxwell moved that the minutes be approved; several adjustments were made:
  - a. Corrected spelling Wayne Caudle's name
  - b. Struck first sentence of line 4 related
  - c. Line 9 corrected to indicate \$95, not \$93, to be a speaker
  - d. Line 10 changed to indicate "TC meeting has the right to hold a forum at no cost"
  - e. Line C.3. changed to indicate that Eric Kozubal was approved as the new Program Subcommittee Chair"
4. William Lull moved to have minutes accepted as amended; motion carried with 4-0-0 CNV (Chair not voting)
5. No ASHRAE Liaisons present
6. Subcommittee Reports:
  - a. Research, Bill Griffiths
    - i. Bill was not present due to health concerns
  - b. Handbook, Steve Brickley
    - i. Not present: discussion postponed to a later date.
  - c. **Note: interruption to connect to web to allow five logged-on to join. We were unable to connect to the system so said individuals were unable to participate. TC Chair will provide feedback in the hopes this system works at our next meeting.**
  - d. Program, Farese & Kozubal
    - i. Proposed to write a program for "Track 1: Systems and Equipment" for New York. Eric Kozubal will chair the session, if accepted.
    - ii. Sessions will include:
      1. "Solid Desiccant Systems and Equipment" – Jerry Bennett,
      2. "Liquid Desiccant Systems and Equipment" – Philip Farese, and
      3. "Passive Desiccant Systems and Equipment" - Ronnie Moffitt
7. Stephen Duda- Section 8 head from TAC.
  - a. The committee recognized Norm for his two years of service. Applause followed.
  - b. Lew Harriman asked the Section 8 head: "Roster system is not functional; another system was being piloted... when can we expect a from the ground up rewrite of the roster system so chairs know voting members this year, next year, and who other members are?" Stephen said he shared Lew's disappointment and will relay Lew's concern to TAC. They are striving for other committees to identify the needed software

to enable real time roster management and data extraction. They anticipate a trial of said software at their next meeting.

8. Continuing with subcommittee reports

a. Handbook, Steve Brickley

- i. Fundamentals date has expired
- ii. Systems and Equipment is due in 2016; we need to have any revisions complete by March, 2015
- iii. No comments received from the public
- iv. He will revise rotor solid desiccant section to include new units...etc. as per email sent to Norm Maxwell
- v. Also TRP 1139 for using equipment at altitude; study recently finished indicates there are negligible adjustments for up to 5,000 feet altitude per Wayne Caudle
- vi. Add section to compare active and passive dehumidification
- vii. Subcommittee members should review the current section
- viii. We will plan to vote to approve our chapter in January, 2015
- ix. New handbook committee should be formed at Winter meeting in January, 2014 in New York

b. Standards, Wayne Caudle

- i. Sub-committee is facing an imbalance of member types: addressed by correcting the status of one member. Liaisons did attend and made sure work plans and other logistic concerns were addressed.
- ii. Plan to finalize revisions for Std. 139 (this is first as Std. 174 relies on Std. 139)
- iii. Committee decided **not** to attempt to apply Std. 139 to passive applications: the technical challenges made it clear this is not a “clean fit”. The committee recommends **not** including passive systems in Std. 139.
- iv. The subcommittee asked the full TC 8.12 how to proceed with a standard for passive systems
- v. Ronnie Moffitt pointed out that the variation in configurations (e.g., parallel vs. series airstreams) does significantly complicate application of Std.139.
- vi. Wayne Caudle similarly expressed concern that “stretching” the standard is not likely to be received well by ASHRAE: a more “common” approach would be to write a separate standard.
- vii. Tom Rice (visitor) suggested lumping passive and series wheels and leaving out of Std. 139 as well.
- viii. Wayne Caudle moved that “return to the original intent of Std. 139 by removing passive wheels from the standard”. The consensus was to remove passive wheels: we will take a formal vote in New York in January, 2014.

c. Membership – Stan Slabinski

- i. Reviewed next year’s Voting Members: will be 9 voting members in New York
- ii. Requested new members with two requests to be added as voting members
- iii. One request to be added as a new corresponding member

d. Research – Bill Griffiths

- i. Norm pointed out that Lew Harriman had written a short course introduction to desiccant systems. In April PDC recommended that TC 8.12 gets back to PDS with recommendation for new course
- ii. Lew's Italy class is recommended but he points out that it is solid desiccant focused and would require:
  1. More attention to liquid desiccants
  2. Quick review that it is in both IP and SI units
- iii. Lew to send to Peter and Phil to review and update with liquid desiccant information; to be returned completed by January (*or October*)
- iv. William Lull observed that 1339 was deemed unsatisfactory, neigh useless, as a finished document. In a previous meeting William had requested that additional technical information on pages 142 and 143 (i.e., equations and worked examples in SI and IP): It is noted that Steve and Bill had agreed to do this: we gently remind them to attempt to ad this information.
- v. It was noted that it may be difficult to have the original author complete this work as the contract was with a university and the researcher has left that university. However, as the contract is between ASHRAE and the university the university is obligated to complete this.
- vi. 1565 (DOAS guide) updated from Lew Harriman: We have a detailed outline that was provided to a contractor who had agreed to write this on needed deadlines, but they have failed to meet these deadlines nor apply necessary graphics etc. to meet specification. With great regret the contract has been terminated by 8.10 (the primary TC on this). New plan is to clarify work statement to begin with manufacturers and owners and rebid the work in the fall.
- vii. 1566 (Evaporation calculation) update from Lew Harriman: New work statement has been submitted from TC 1.12 at 9:00 pm 6/20/2013. Craig indicates that an extension has been granted (due date was today) and at this point we lack only a sufficiently long list of qualified vendors.
- viii. Craig Burg said that there was previous a request from TC 8.10 that TC 8.12 cosponsor an RTAR to develop a residential dehumidification load calculation guide that TC 8.12 declined. Lew responded that TC 8.12 very well maybe be interested in cosponsoring this because it is a great need: Manual J is very much out of date and off by ~30-50%. TC 1.12 shares this concern.
- ix. Jim Lidell (visitor) with the solar committee points out that solar cooling would benefit from some information on liquid desiccant or other solar cooling and dehumidification technology.

9. Old Business: None

10. New Business: None

11. Motion to adjourn by William Lull: so done.