



4/5/2005

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ASHRAE TC3.6 Meeting Minutes, 8-Feb-05

- I. Introductions
- II. Minutes. Corrected Cawley's name. **Motion to approve by Spence, second by Pearson. 9-0-0.**
- III. Section Chair meeting report
  - a. MBO's – little effect on us
  - b. Strategic research plan workshops are available.
  - c. Need to assign a person to be responsible for the FAQ section on the website (develop FAQ's and responses with an approval process) – Ferrari will take this on, brainstorm FAQ's later in the meeting if possible.
  - d. Mike Vaughn can be contacted for webmaster training. Thanks from the TC to Frank Morrison for maintaining the 3.6 website
  - e. A listserv is going to become available for TC's. It is an email list. Two will be available, committee members and committee members plus interested parties. Will be able to refer people to website for minutes instead of emailing.
  - f. ASHRAE disappointed that no George Hightower award nominations were made. Nomination form requires information that is not available to chairs, Geary suggests all TC members be asked for this information. If someone has enough "points" for nomination, Chair takes next steps. Rules are in MOP. Having a nominating sub-comm is a possibility?
  - g. TC's can post a seminar on our website ahead of publication – this would be the powerpoint as a PDF.
  - h. Mayes announced that he will not be able to function as chair for the 3<sup>rd</sup> year, after June meeting Lindahl has agreed to become Chair.
- IV. Membership – Geary
  - a. Rollover rosters – Dave is membership chairman, handles these for 3.6.
  - b. Scott rolls off as member
  - c. Dick Miller will come back on
  - d. Hal Roth will roll off
  - e. Mike Adams will come on
  - f. Janet Stout will come on as CM
  - g. CM from Sweden – get name from Geary ??
  - h. Expect about 15 voting members, target 12 minimum



- i. Chair should send roster to committee. Add cell phone numbers if members want to do make them available.
  - j. Where do we get copies of the approved presentations for posting to website. Dave Geary will get clarification of that and get back to Scott.
- V. Handbook - Pearson
- a. ASHRAE considers handbook to be most important product.
  - b. Reference TC's in section content.
  - c. There is a revision cycle for handbook sections. We are 2 yrs late in starting, chapter is scheduled April 07 for printing.
  - d. Consensus was reached to add boilers to chapter.
  - e. Propose starting with AWT outline & getting volunteers to do sections. Will send an outline around during the meeting for volunteers to sign up for sections.
- VI. Research – Ferrari
- a. RTAR 1361 “Biological Control in Cooling Towers Using Non-Chemical Water Treatment Devices” was approved 11-1. John Lane will write work statement. McCoy will help on the writing with Sarah and Dave Geary. Will try for an email vote to go for May 15 deadline ahead of Denver meeting. Sarah will supply a new work statement format from ASHRAE
  - b. TRP 1307 “An Evaluation of the Efficacy of Fill Removal, Cleaning, and Disinfection in Controlling Legionella Population in Cooling Tower Systems” project evaluation committee reviewed quotes from bidders. Pittsburgh ranked slightly higher, but not enough to outweigh the lower price from Northwestern. PI is Nicholas Cianciotto. He'll be chair of the organizing committee of the upcoming Legionella Conference in Chicago. Monitoring committee is Barry Fields, Dick Miller, Bill McCoy, Dave Geary, Paul Lindahl; intend to ask Janet to be on monitoring committee if ASHRAE policy allows. Project is with regard to effectiveness of fill removal and cleaning on control of legionella vs good and less than good water treatment. **Motion by Pearson to accept PES recommendation that the quote from Northwestern be chosen. Spence seconded. 12-0-0 vote.** Geary will try to find out if a TC member needs to attend the Wednesday RAC meeting (Sapphire Room in Wyndham) (7am to 3pm) to answer any questions that may come up. Unanswered questions can derail a vote in the RAC. Will also have to get Board approval. Potential for project to start in the Fall. Geary will ask Mike Vaughn to call him when the vote comes up and he will go to the meeting to answer any questions.
  - c. Tim Keane discussed a potable water filtration system that is being used at a hospital to compensate for influx of dirt and active bio in the system when the concrete water pipes have breaks. Filtration system may have an impact on legionella control. Fields recommended that Keane work up a draft RTAR, Keane agreed.
  - d. Need long range research plan from Sarah Ferrari. TC to look at strategic plan from ASHRAE for ideas, or recommend any others, provide input to Sarah. RAC's six criterion rating system for WS and RTARS was distributed for the use of the TC. The current status of the research plan was distributed also.



- e. Performance based biological monitoring research proposed by Lindahl. Use any one or a combination of measurable parameters to correlate to biological levels. Barry agreed to look into state of endotoxin(?) assays and Hodgson will look at ATP to determine if there are any realtime methods available. McCoy offered to help as well, and comment on a Nalco realtime system. Other input is solicited from the TC. Will be discussed at June meeting.
  - f. Grey Water RTAR. BOMA is doing work in this area. GSA is doing storm water collection systems, labeled as grey water by them – is it proper use of the term grey water. Forum on defining grey water or other for Denver. **Motion by Ferrari to sponsor a grey water forum in Denver with or without TC 2.8 cosponsoring. Second by Geary. 12-0-0.**
- VII. Program – John Lane
- a. Ron Wood - Seminar went well after a late start due to approval of presentations, etc. Evaluation forms went for scanning and will go to TC chair. Had about 80 people in attendance. Need to be sure in future to get cell phone numbers for presenters to be able to get everything set up properly ahead of the seminar.
  - b. Denver is June 25-29, so meeting is June 28 from 1-3:30 PM. Ferrari to set up Gray Water forum for Denver – Hodgson to moderate. *See Appendix 1 added after the meeting by Ferrari.*
  - c. April 1 is the deadline for materials for a Legionella symposium in Chicago in Jan '06. Barry was going to do one on comparison of regulations with a co-author at CDC. Need two more papers. Dick Miller has a paper. McCoy would like to do one on HACCP. Is full paper really due on 1 April? Motion to sponsor a Symposium with a title to be approved by email vote for Chicago '06. **Motion by Geary, second by Pearson. 12-0-0.** Will ask John Lane to coordinate. Probably need title by April 1. Per TWB, contact information for John Lane is [jlane@evapco.com](mailto:jlane@evapco.com), 410.756.2600.
- VIII. Other
- a. Hodgson: minimum maintenance practices standard (STD 180, Bob Acre chair) for HVAC systems. Hodgson has cooling tower and wet system part, soliciting input on maintenance. Minimum burden and minimum required practices, keep it brief.
  - b. Thanks to Tim Keane and Bill Pearson for setting up the social night. Want to continue for Denver, perhaps on Sunday night. Bill Pearson will look for a restaurant.
- IX. Adjourn. Motion Pearson, second Spence. 12-0-0.



### Attendance List

Name	Member	Company	Email	Phone
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Appendix 1.

Denver Gray Water Forum

The title and abstract as submitted are as follows. TC 2.8 (Buildings' Environmental Impacts and Sustainability) has agreed to co-sponsor.

**TITLE:** "What would ASHRAE members need to know about Gray Water before it can be used in HVAC cooling systems?"

**ABSTRACT:** Water is an increasingly scarce commodity in many parts of the country with significant pressure on the use and availability of potable water. One recognized incentive for conserving water is through LEED points attained for water use efficiency. The US EPA has suggested one conservation approach as the use of "Gray Water" for cooling tower make-up. This forum will discuss the present state of knowledge regarding the use of "Gray Waters" and some of the potential health and operational issues that users may face. In addition this forum will address questions relating to additional information ASHRAE members may need to encourage the use of alternative water supplies.