



COOLING TECHNOLOGY INSTITUTE

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Performance and Technology Committee Meeting Minutes

2006 CTI Winter Meeting – Houston, TX

February 5-8, 2006

Rich Harrison – Chair
Ken Hennon – Vice Chair
Paul Lindahl – Vice Chair

The Performance and Technology Committee met initially on Monday, February 6th and in breakout task groups on February 7 and 8, 2006.

P&T Opening

Rich Harrison solicited reviewers for the the Legionella position paper. Rich Aull and Paul Lindahl volunteered.

Summaries of the progress reports from all of the currently active P & T task groups are as follows:

- **Technology Document Review – Tony Depalma.** Explained the function of the committee was to review all P&T documents to ensure that they were technically current, to address minor errors or recommend that a P&T subcommittee be opened to address substantive changes. This committee reviews all documents under P&T purview on a 5 year basis. Recommendations are made to the P&T chair. Documents that are judged to be Technically Current are “stickered” to reflect that they have been reviewed and are still valid. Two documents, ATC-105 and FSP-156 are to be reviewed at this meeting.
- **Sound Test Licensing Program – Paul Lindahl.** This is a licensing test program similar to that of the thermal and drift testing programs. Committee members were solicited to represent balance within the committee. Two owners, two suppliers, two test agency representatives, and two manufacturers have agreed to participate on the committee to write the licensing agreement. There was a discussion of the requirements to become licensed for the CTI Sound Program. Topics discussed included: Generation of a Testing Manual as Part of Licensing documents, Sample Data Set – questionnaires specific for Pressure and Near Field Exposure tests. Personnel experience - INCE Certified personnel, Instrumentation , and Calibrations.

Implementation Plan – Target for implementation as early as January 1, 2007. As part of implementation particulars must be published to ensure industry awareness.



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- **STD 201 Certification Revision Task Group & Evaporative Condenser Certification– Frank Michell & Bob Miller** Working to expand the Certification Standard STD-201 to add evaporative condensers. Because of the importance of this program, it is felt that this STD-201 committee would be a standing task group to handle any issues that may come up from Certification Implementation Committee (the participating companies that have CTI certified lines) to rapidly resolve items that develop. Bob Miller commentated that ASHRAE 90.1 and California Title 24 programs are growing with more and more international recognition of this certification program.
- **Air Cooled Steam Condenser Test Code ATC-107 – David Wheeler**
During the course of the breakout committee, data was presented on the influence of dry-bulb measurement locations. After reviewing the data, the committee agreed to measure inlet dry-bulb temperature on the immediate discharge of each operating fan.
- **Field Test Handbook Chapter 5 – Hector Cruz**
Hector Cruz was not present but this task group has essentially finished its work.
- **Drift Test Code ATC-140 – Ken Hennon.**
This task group did not meet. There are several outstanding items due from members of this task group before the next draft can be finalized. A new draft of the document will be generated and submitted to the committee members prior to the summer meeting.
- **Plume Abatement Test Code ATC-150 – Paul Lindahl.**
This is the second meeting of the ANSI type task group. The task group met and reviewed the previous assignments.
- **Water Flow Measurment STD-146 – Trevor Hegg for Randy Bradley.**
Trevor polled the committee to see if the one remaining reference table was really required. The consensus was that it was not required. The document is now ready to be sent for Ad-Hoc review.

Respectfully submitted,
Ken Hennon, Vice-Chair, P&T
Accepted and forwarded to CTI for formal distribution 3-13-06

Rich Harrison, Chairman



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