

**Cooling Technology Institute  
2015 Winter Meeting  
New Orleans, LA**

**CTI Engineering Standards and Maintenance Committee**

**Committee Report for February 9-11, 2015**

Bill Howard, Cooling Tower Depot - Chair  
James Blake, American Lightning Protection - Vice Chair  
Ken Mortensen, SPX Cooling Technologies - Vice Chair and Secretary  
Jon Bickford, Alliant Energy, AdHoc Coordinator

**I. February 2015 Meeting - 60 Attendees at the opening**

**II. Lead Task Group Chair Reports**

**Wood, Metal, and Concrete Materials Task Group** [Bill Howard]

- **Wood, Joe LaBove, Phillip Poll** – Review the standard to remove obsolete treatment materials. A draft will be assembled for work at Summer CTI Meeting.
- **ESG-123 Recommended Guidelines for Portland Cement Concrete Narendra Gosain and Tom Toth** - Reviewing the 2007 Guideline. It will be e-mailed to members to prepare for a 2 hour workshop at Summer CTI Meeting.
- **ESG-160 Corrosion of Concrete, Narendra Gosain, Tom Kline** – This document is ready for AdHoc review. The current revision and AdHoc suggested members [Michell, Wertz, Cuchens, and Mahajan] will be sent to AdHoc Coordinator to begin that process
- **ESG-162 Cleaning Cooling Towers, Philip Poll, Don Zelek** - Set this task groups voting members. The rough draft was released and agreed to add a recommendation to trial cleaning techniques in a section of the tower before proceeding throughout. Seeking input from water-treatment committee and specialty cleaning companies.
- **Chapter 9 Materials of Construction, Ethan Chesnut** – No meeting.

**Mechanical and Electrical Task Group** [Duane Byerly]

- **STD-163 Vibration, Craig Burris** – AdHoc comments have been received and a sub-committee will hold a conference call in March to resolve the items raised.
- **STD-111 Speed Reducers - Craig Burris** – This document may not need significant revision at this time. Methods of identifying rating standard for gearboxes were discussed. A draft will be sent out for review.
- **Chapter 11 – Electrical Components, Dave Suptic**- No meeting

### **FRP and Plastics Task Group** [Glenn Barefoot, Jamie Bland]

- **STD-131 FRP Siding Panels, John Ahern, Brian Fuqua** – Draft reviewed, working on pull out strength and reference to ASTM E84.
- **STD-154 Filament Wound FRP Pipe Bill Daugherty Greg Deshong, Tom Toth**- No meeting
- **ESG-157 Wood to FRP, John Ahern, Ken Mortensen** – Significant progress on the Scope, References, and Work Recommendations. This document is nearing completion. The goal is to submit to AdHoc after the CTI Summer Meeting.
- **New Task Group Guideline on Thermoplastic Products, Kevin Hole, Chris Spencer** – The document will be split by component type for drafting. Fill will be worked first. The draft will be sent out and a call prior to CTI Summer is planned.
- **STD-136 Thermoplastic Material for Fill, Mike Whitemore, Ken Mortensen** – Work began on this document with substantial discussion on burn testing methods and material properties that should be included in the document. Voting members were selected. Review by all parties of the types of plastics and their properties and testing methods will continue. A call prior to CTI Summer is planned.
- **Information, R Seismic Factor, Bill Howard** – The last ASCE meeting was in in Portland. A meeting in April may be a phone meeting. Chapters 1, 2, 3, and 6 have been approved. Most others nearing conclusion including Chapter 9 Seismic. Details of the Chapter 9 requirements are in the task group notes to be sent out. Testing a tower is still under consideration.

### **Tower Operations Task Group** [Phillip Poll]

- **STD-203 - Industrial Cooling Tower, Terry Ogburn, Tom Toth** – No meeting.
- **ESG-138 Long-term Storage of Cooling Towers, Jim Baker, Philip Poll** – A draft document was reviewed and scope discussed.

### **Hazard & Environmental Protection Systems Task Group** [James Blake]

- **Chapter 8 (ES&M) Environmental Aspects of Cooling System Operation, James Blake** – separated from Chapter 7 (Water). Plan to combine efforts with Water Treatment. Helen Cerra has been identified as the contact person.
- **BUL-109 Nomenclature of Industrial Cooling Towers, James Blake, Don Zelek** – AdHoc comments were reviewed and tackled by the attendees. The AdHoc commenters will be informed of the resolutions and this document should go to Board approval at the CTI Summer meeting.
- **ESG-120 Lightning Protection, James Blake** – No meeting.
- **ESG-121 Construction Safety, Philip Poll** – Checking for the last fairly complete draft to send to members prior to CTI Summer meeting.

## **Old Business**

- None

## **New Business**

- **OP304 Document Procedure** – Educational sessions on OP304 may become a regular thing to support the document writing process at CTI.
- Guidebook App was recommended.

## **New Document Reviews**

- **Vibration Guideline on Dry Cooling – Natasha Peterson**
- Drafts of all CTI documents being reviewed need the CTI Disclaimer!
- New Documents listed in PRM -102 Price List Publication

## **III. Adjournment –**