



# COOLING TECHNOLOGY INSTITUTE

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## Cooling Technology Institute 2017 Winter Meeting New Orleans, LA

### CTI Engineering Standards and Maintenance Committee

#### Committee Report for February 6-9, 2017

Ken Mortensen, SPX Cooling Technologies - Chair  
James Blake, American Lightning Protection - Vice Chair  
Phillip Poll, OBR Cooling Towers - Vice Chair and Scheduler  
John Ahern, EvapTech - Vice Chair and Secretary  
Jon Bickford, Alliant Energy, AdHoc Coordinator

- I. February 2017 Meeting
- II. Minutes for Summer 2016 ES&M were accepted
- III. Lead Task Group Chair Reports

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

- **Wood, STD-112 Pressure Treatment, and ESG-117 Maximizing Life of Lumber, Joe LaBove, Phillip Poll – Approved**
- **STD-119 Timber Connection Specifications – Brad Pirrung, Joseph Evans - Approved**
- **ESG-153 Recommended Guidelines for Portland Concrete, Narendra Gosain and Tom Kline –Ad Hoc review is expected after summer meeting for this document.**
- **ESG-160 Corrosion of Concrete, Narendra Gosain, Tom Kline – This document is in AdHoc.**
- **ESG-162 Cleaning Cooling Towers, Philip Poll, Don Zelek - This document is in AdHoc.**
- **Chapter 9 Materials of Construction, Ethan Chesnut, Augie Peterson – This document is in AdHoc.**
- **Fiber Reinforced Cement Board Panels, Joe Labove – In work.**

#### Mechanical and Electrical Task Group [Craig Burris]

- **STD-111 Speed Reducers - Craig Burris – In work.**

- **Chapter 11 – Electrical Components, Craig Burris** - In work.
- **ACC Gearboxes Guideline – Natasha Peterson** – In work.

**FRP and Plastics Task Group** [Jamie Bland]

- **STD-131 FRP Siding Panels, John Ahern, Brian Fuqua** – This document is going to AdHoc.
- **STD-154 Filament Wound FRP Pipe Bill Daugherty Greg Deshong, Tom Toth-** Near approval.
- **ESG-157 Wood to FRP, John Ahern, Ken Mortensen** – Going to AdHoc.
- **ESG-164 on Thermoplastic Fill, Nina Woicke** – The document is in major rework.
- **STD-136 Thermoplastic Material for Fill, Chris Bowman, Ken Mortensen** – Work began on this document with substantial discussion on the LOI burn testing method discussing what should be included in the document. Review by all parties of the types of plastics and their properties and testing methods will continue. Progress being made.
- **Information, R Seismic Factor, Bill Howard, Tom Toth–** Update on the status of the new LRFD code. Looking into test facilities.

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

- **STD-203 - Industrial Cooling Tower, Terry Ogburn, Tom Toth** – In AdHoc.
- **Chapter 1, Richard Hebert , Geoff Eddy** – Members recruited and voting members established. In work.
- **Winter Operations – John Ahern** – Close to AdHoc.
- **ESG-138 Long-term Storage of Cooling Towers, John Ahern** – Close to AdHoc.

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

- **Chapter 8 (ES&M) Environmental Aspects of Cooling System Operation, Helen Cerra, Ken Mortensen** – Chapter 7 has been obsoleted by CTI(Water). Chapter 8 will be reviewed for relevance and status determined. In work.
- **ESG-120 Lightning Protection, James Blake** – Sent for Ad-Hoc review.
- **ESG-121 Safety, Philip Poll** – In work.
- **Fire Protection, Chapter 12** – Close to AdHoc.

- **Field Erection – Tom Toth, Ken Pate** - General discussion held. More to follow. In work.

**Old Business**

- None

**New Business**

- None

**Adjournment –**