2012 Education Seminar

Wednesday, February 8, 2012

8:00a - 12:00pm

Cooling Towers From Concept to Completion

Phase 1 – Tower Selection

Purpose: Provide a brief overview of the best practices for selecting a cooling tower. Topics of interest: What type of cooling tower do you need and want; Factory assembled or field erected; What types of materials are to be used - HDG, –tainless steel, or FRP; Is the life cycle and energy consumption costs more important than the initial installation cost; and How important is maintenance and insurance features. Creating a specification that describes what you want and need to select.

Presented by: John Stacks, Composite Cooling Solutions, LLP

John Stacks is Vice President of Sales and Marketing in the building trades and light industrial markets for Composite Cooling Solutions (CCS) in Fort Worth, Texas. He has worked in the HVAC arena for almost two decades. Mr. Stacks joined CCS in the spring of 2011 after seven successful years in the HVAC building automation industry, serving as regional sales manager for Honeywell. Prior to Honeywell, his tenure with Ceramic Cooling tower Company included experience in both the operations and sales aspects of field-erected cooling towers. John Stacks graduated from Texas A&M University and is married to his lovely bride, Julie. They have two children: Lauren and John.

Phase 2 – Tower Installation

Purpose: I will be looking at some of the major items that need to be addressed from an owner/operator perspective to facilitate the installation of a field erected cooling tower. Topics of interest: Design, Submittals and Approvals; Scheduling; Mobilization; Site Access and considerations; Safety: Site specific and OSHA; Milestones and Billing; Substantial Completion, Inspection and Punch List; Start Up; Demobilization; Testing; Lien Releases, Retention and Performance Bonds

Presented by: Tom Toth, P.E., Midwest Towers, Inc.

Tom is Senior Structural Engineer at Midwest Towers, Inc., Chickasha, Oklahoma. He is a licensed Professional Engineer in the states of Virginia, New Jersey, Colorado, Oklahoma and Nebraska. His background includes 4 years in the Engineering office of a major steel fabricator and 18 years in consulting engineering offices where he first became associated with the Cooling Tower Industry. All told he has 20 years in Cooling Tower Design experience including the last 12 years working for Cooling Tower Manufacturers. He graduated in 1977 from the New York Institute of Technology with a B.S. Degree in Architectural Technology and received his Masters of Administration Degree in Industrial Management in 1984 from Lynchburg College. He is active on the ASCE Fiber Composites and Standards Committee, the ASME RTP Committee and the ASME BPTCS Project Team on FRP Piping.

Phase 3 – Tower Maintenance

Purpose: A brief overview of the best practices for maintaining water cooling towers to prevent premature deterioration and failure in the field. Topics of interest: Inspection and maintenance of mechanical air moving equipment; Inspection and maintenance of water distribution system; Inspection and maintenance procedures for fill and drift eliminators. How to prevent fill from clogging; Structural inspection of wood cooling towers; Protection of cooling towers operating in very cold environments; Corrosion protection of cooling tower components.

Presented by: David M. Suptic, EvapTech, Inc.

David Suptic is a project manager currently employed with EvapTech, Inc. of Lenexa, Kansas. Mr. Suptic has been involved for over 30 years in the cooling tower industry and has served as Co-Chair of the Engineering Standards and Maintenance Committee and as a Vice-Chair of the CTI Program Committee. Mr. Suptic received a B.S. degree in Mechanical Engineering and an MBA degree both from the University of Kansas. He is also a registered professional engineer in the State of Kansas and a Certified Project Management Professional.