

Water Treating Committee



COOLING TECHNOLOGY INSTITUTE

P.O. Box 73383, Houston, Texas 77273 • 2611 FM 1960 West, Suite H-200, Houston, Texas 77068
Phone: 281/583-4087 • Fax: 281/537-1721 • email: vmanser@cti.org • http://www.cti.org

Water Treating Committee Minutes for July, 2013

1. Call to Order

Matt Wangerin, Water Treating Committee Chair, called the Opening meeting to order at 9:00 A.M. in Del Mar, CA.

2. Attendees

Attendees were introduced and recorded. A list of attendees follows:

Bland, Jack	Cunningham, Bob	Kuhfeldt, Charles
Boudoin, Latria	Dorsey, Mike	Murray, Doug
Brunn, Art	Elliott, Pete	Pearson, Bill
Cerra, Helen	Emerich, Dwight	Post, Ray
Cohen, Jon	Kanuth, Jim	Wangerin, Matt
Cook, Trey	Kiser, Phil	Zibrida, John

3. Minutes

The minutes from the Winter 2013 meeting were approved as written.

4. Task Groups

Task Groups were set to meet per the following schedule:

- | | | |
|---|-----------------|-------------------|
| • Microbiological Monitoring WTG-130c (Boudoin) | Mon 7/8/13 | 11:00 AM-12 Noon |
| • Instrumentation & Control (Dorsey) | Mon 7/8/13 | 1:00-2:00 P.M. |
| • Non-Oxidizing Microbiocides (Cohen) | Tues 7/8/13 | 8:00-9:30 A.M. |
| • Physical Water Treatment (Cunningham) | Tues 7/8/13 | 9:30-11:00 A.M. |
| • Legionella STD-159 Review (Lindah) | Tues 7/8/13 | 12 Noon-2:00 P.M. |
| • Instrumentation & Control (Dorsey) | Tues 7/9/13 | 3:00-4:00 P.M. |
| • Deposit Monitoring WTG-130b (Moriarty) | No Meeting Held | |

- Instrumentation & Control: This Task Group will now be referred to as WTG-125. Mike Dorsey and Trey Cook have made excellent progress over the past 6 months via monthly conference calls with distribution of document sections. Several sections have been completed, with only a small number of sections remaining.
- Microbiological Monitoring WTG-130c: Paul Schook, the chairman for this Task Group, was not present. The task group was represented by Latria Boudoin, who reported progress from Winter 2013 meeting. The specific method of detecting biofilms in cooling systems is still needed. Paul Schook to continue conference calls to move toward completing document after the February 2014 Winter Meeting.
- Deposit Monitoring WTG-130b: Barb Moriarty, the chair for this Task Group, was not present, and it is believed she will not return to CTI. A new TG chair is needed. Pete Elliott and Matt Wangerin supplied historical sections of document for distribution to and members of this Task Group, and work continues.
- Corrosion Monitoring: WT Committee discussed the history of "Corrosion Testing Procedures-STD-149 (2000)", and the "Corrosion Monitoring" WTG #130a. Consolidation of these documents was a possible consideration. Art Brunn and Matt Wangerin investigated STD-149 and WTG-130. STD-149 relates to use of corrosion coupon strips only and can be renewed as written. The work previously performed on WTG-130a "Corrosion Monitoring" appears to have been lost, and the WTG-130a needs to be resurrected to work in accordance with WTG-130b and WTG-130c to create 3 new sections to update WTG-130.
- Physical Water Treatment: This Task Group will now be referred to as WTG-158. The focus of this document is how overall performance is monitored. Bob Cunningham, acting as interim chair, reported that Mark Winter had effectively authored a first draft document, which is a summary of devices/technologies involved. Bob felt this document should specify table of technologies as clearly as "claims" and not based on documented proof/case data. Performance criteria should be based on basic standards in the areas of corrosion, deposition, and microbiological control. Bob reported that the document is to a point where these devices/technologies can be measured against, in an

Water Treating Committee

objective manner. Wangerin suggested that Cunningham should research and include as part of this document, a reference to the prior research project sponsored by ASHRAE (Drexel University?).

- Application of Non-Oxidizing Biocides: This Task Group will now be referred to as WTG-126. Jon Cohen is acting as chair. An outline will be generated, from which selected individuals from within the task group will be required to write designated sections, in a fashion similar to that of the Oxidizing Biocides document (WTG-141). Cohen reported that this document needs to include a matrix for Non-Oxidizing biocide actives and required dosage rates of those actives. Bill Pierson offered that AWT has completed a matrix for Non-Oxidizers, and this resource can be used by this TG with proper citation/footnotes.

5. Liaison Reports

- *NACE* (Trey Cook reporting): Annual meeting held in March. All water treating-related committees are getting thinner with respect to attendance and participation.
- *IWC* (Jack Bland reporting): The October meeting held in San Antonio was extremely well-attended. Overall, the meeting was considered successful.
- *AWT* (Bill Pierson reporting): Annual convention occurred in October, 2012, with the 2013 meeting also slated for October at the Mohegan Sun Resort in Connecticut. AWT continues to conduct 2 Technical Training seminars each year, with 1 held on the east coast and one of on the west coast in the U.S. These seminars remain extremely popular. One does not need to be member of AWT to attend. On a separate but related note, the "CWT" (certified water treater) designation is still being issued by AWT to qualified participants and is reviewed for renewal every 5 years. AWT started the **Student Enrichment and Education Development (SEED)** program at 24 universities.
- *ASHRAE* (Bill Pierson and Jon Cohen reporting): STD 188P is out for public comment for the 3rd time. This has been an 8-year period for public approval. Some members from the original committee have since retired or passed away. The drawn-out public approval process has ASHRAE concerned to the point of elevating the 188P document to "Policy Standard" status. Only 2 other documents in ASHRAE's history have been elevated to such a status. AWT and CTI should continue to consider partnering with ASHRAE for the purpose of co-funding a research project. From previous experience, the co-funding option does lead to an easier path toward approval of any research project. Any proposed project ideas need to be submitted to Matt Wangerin for initial approval, and will be submitted according to a standardized format. The next ASHRAE meeting is scheduled for January 18-22, 2014. Abstracts for papers are due by August 13, 2013. One area that has gained ASHRAE focus is "Hydronic System Design for Efficiency in Large Buildings".

6. Old Business

- CTI is still interested in sponsoring research projects, such as Pitot tube topics (Bland).
- WTG-141 "Application of Oxidizing Biocides" has been submitted for CTI final Board approval, which is expected to occur. WTG-142 "Treatment of Galvanized Cooling Towers to Prevent White Rust" has been approved by the Board and appears correctly in PRM-102.
- A suitable subject for the Annual Meeting Water Treating Panel Discussion was discussed and needs to be finalized.

7. New Business

Jack Bland proposed idea for a new Task Group to develop a new document/white paper be produced detailing performance standards or Best Practices Guidelines Cooling Water Systems - for each type of industry or stressed vs. non-stressed cooling systems. This Task Group will be referred to as WTG-159. The performance standards for consideration in this document will be in the major areas of corrosion, deposition, and microbiological control. Emphasis is to be placed on the fact that this document will not be considered a "Standard", so there will not be the liability associated with it that usually would be the case. Jack Bland did offer to provide a document based on information currently residing in public domain.

The meeting adjourned at 10:45 A.M.

Minutes prepared by:
Pete Elliott, WT Secretary
Matt Wangerin, WT Chair

Respectfully submitted by:
Matt Wangerin, WT Chair