

Call to Order:

Phil Kiser, Chairmen of the water treatment committee called the meeting to order at 9:00 AM July 16, 2014 in Steamboat Springs, Colorado.

Task Groups:

The closing status reports from the group were discussed.

WTG-125 Instrumentation and Control of Water Treatment in Cooling Towers - Mike Dorsey - The document is in final draft. It was reviewed by the members of the committee and comments on the draft will be due July 28th. The plan is to send the document to ad hoc review by September.

WTG-126 Application of Non-Oxidizing Microbiocides – Don Erickson (reported) - The major progress made since the fall meeting was finding a new chairman. A brief meeting was held during this summer session. The document regarding application of oxidizing microbiocides exists and WTG 126 is planned to mirror or follow the format or structure of that document as applicable to non-oxidizing biocides. The group worked on selecting which non-oxidizing microbiocides to include. Significant work has been done on this topic by AWT and the CTI Committee is now planning to accept the offer from AWT to include that material by reference.

WTG-130A Corrosion Monitoring – Matt Wangerin - There is a document, WTG-149, that was reviewed (due for review) and was rolled over to the Board for the approval process. There is a Document in progress, WTG 130-A, a subset of the original WTG 130, that is also in review, and this document, WTG-130A, will be addressed by the group to determine if rewriting or editing is needed. The members of the group discussed where the draft document is at this time, and will try to locate the draft document.

WTG-130B Deposit Monitoring – Dwight Emerich (reported) - Matt Wangerin and Pete Elliot have parts of the document which has been idle for a year or more due to the task group leadership vacancy. The group will restart the process. The document pieces have been located and will be reviewed. The group has defined the tasks facing them to move the document forward. They will summarize these tasks and forward them to Bob Cunningham.

WTG-130C Microbiological Monitoring – Pete Elliot - The group had two meetings. They have the draft document and will continue to work on it via conference calls.

WTG-158 Physical Water Treating – Paul Puckorius (reported) - The group has held some conference calls since the winter meeting and has a scope and initial statement. These will be reviewed and then they will start on a “primer” of physical water treatment. Progress was made at this session. The group will continue via conference calls. They are targeting being ready for ad hoc review prior to the annual meeting.

WTG-161 (old number was 159) Best Practices Guidelines for Cooling Water Systems – Jack Bland (reported) - Bill Pearson is the new vice-chairman. The group had two meetings. After the first meeting a committee comprised of Kim Kanuth, Ian Horne, and Jon Cohen produced a draft of the projected best practices table. This is currently in the form of a matrix of nine categories with “Good, Better, Best” measures, results or numbers for each category. The group will proceed via conference call prior to the Annual meeting.

Liaison Reports

- IWC: Paul Puckorius reporting. The IWC meeting this fall will be in San Antonio. There are four water treatment papers being presented. The dates and the workshop topics will be reported when available.
- AWT: Bill Pearson reporting. The AWT meets twice per year and conducts training sessions.
- ASHRAE: Bill Pearson reporting. The ASHRAE meeting took place in Seattle two weeks ago. The committee TC3.6 is actively looking for research topics.
- NACE: Christine McGinnis reporting. Based on attending the last several meetings the interest at NACE has shifted away from water in favor of increased focus on oil and gas.

Additional Business:

- Phil Kiser discussed the process of producing documents for the CTI, providing a review of the OP 304. Phil stated that group chairmen should be aware of the steps of document production as set forth in the OP and should also take care to keep accurate attendance forms of the group’s meetings.
- The WTG 147 Water Reuse document is up for review and will be reviewed by Phil Kiser and Charles Kuhfeldt, as the chair and co-chair of the task group that produced the document, to determine if it needs a task group review.
- Helen Cerra provided an update of the review of Chapter 7 of the CTI manual. This has been under discussion as a cross functional group discussion with the ES&M section and is now under the working title of “Environmental Aspects” of cooling system operation, maintenance etc.
- Chapter 6 of the manual, “Water Chemistry and Treatment” was last reviewed in 2005. Matt Wangerin, outgoing Water Treatment Committee Chairman, explained the status of this review, as follows, in summary.

Since most of the documents that are currently being worked on by the committee either revise or extend significant portions of Chapter 6, and given the limited resources of the committee to undertake another entire chapter review while producing several new documents, the review of Chapter 6 was placed in the queue of work group assignments falling in place after the future completion of several of the existing task groups papers. Then the new papers can be included in the revised Chapter 6 by reference or quotation.

- The Legionella Standard Task Group has voted down the creation of a standard as reported by Jack Bland. A revision of document No.159, the existing guideline, will be pursued.
- Helen Cerra noted that the CTI R&D committee is soliciting new projects and asked that any idea be submitted to Phil Kiser. There is also the potential to collaborate with ASHRAE and AWT in pursuit of projects that we suggest. The discussion following this comment led to the recommendation of the group meeting noted above in the schedule of meetings.
- Discussion concerning the use of the Legionella group's work and the information gathered in that effort to enhance CTI's definition of biofilms occurred. The question was whether this could be utilized by the group working on WTG 130 B. The chairman answered that the scope of the WTG 130 B group was how biofilm is monitored and that it would not change to include developing a new or enhanced definition at this time.
- Helen Cerra proposed that the group consider trying to answer the question or document previous data concerning how water treatment chemistry affects cooling tower drift rates. In discussion it was noted that Rich Aul has some information on this topic. Also the probable effects of biofilm on drift rates were discussed. No action was taken on this discussion at this time.
- Phil Kiser introduced the discussion of whether the water treatment committee and its task groups should adopt the practice of having voting and non-voting members. This distinction is made in other CTI groups. The topic was discussed in some detail but no action was proposed or taken other than to introduce the topic to the group for further consideration.
- Matt Wangerin noted that the Water Treatment Committee sponsors a panel discussion at the fall CTI meeting which occurs on Monday afternoon and is 1.5 hours long. Topic suggestions were solicited and the following were offered:
 - Suggestions on how to write a proper bid specification
 - Instrumentation and Control of Cooling Water Systems
 - Reuse of water in Cooling Water Systems
- Phil Kiser, incoming committee chairman, thanked Matt Wangerin for his service as chairman for the previous four years.

Adjournment

The motion to adjourn was made and seconded and the meeting adjourned at 10:30 AM on the final day.