



COOLING TECHNOLOGY INSTITUTE

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CTI Water Treating Committee Meeting Minutes 02/08/12

1. Call to Order

Matt Wangerin, Water Treating Committee Chairman, called the Closing meeting to order at 2:30 P.M. Houston, TX.

2. Attendees

The meetings were very well attended, and attendees from the opening and closing meetings were introduced and recorded under separate file.

3. Minutes

The minutes from the Summer 2011 meeting were approved as written.

4. Task Groups

Task Groups met per the following schedule :

| | | |
|---|-------------|----------|
| • Measurement of Corrosion (Geiger) | Mon 2/6/12 | 4:30 PM |
| • Instrumentation & Control (Dorsey) | Tues 2/7/12 | 10:30 AM |
| • Microbiological Monitoring WTG-130c (Rajan) | Tues 2/7/12 | 11:00 AM |
| • Deposit Monitoring WTG-130b (Gill) | Tues 2/7/12 | 11:30 AM |
| • Non-Chemical Devices (Cunningham) | Wed 2/8/12 | 1:00 PM |
| • Non-Oxidizing Microbiocides (Cohen) | Wed 2/8/12 | 1:30 PM |

- WTG 122-Water Filtration is currently in Board Review.
- WTG 141-Application of Oxidizing Biocides going from Ad Hoc to Board Review.
- WTG 142-Treatment of Galvanized Cooling Towers Prevent White Rust going from Ad Hoc to Board Review.
- Bibliography of CTI Technical Papers being reviewed by Chairman
- Measurement of Corrosion : Wangerin to provide Geiger an electronic copy of STD 149 (Published-2000) for mandatory periodic review and update.
- Instrumentation & Control : New Chairman is possible for this task group. This meeting welcomed many new participants, with numerous document recommendations being offered. The proposed name for the new document is at this time, "Control of Cooling Water Chemistry". The group will hold one teleconference prior to the CTI Summer Meeting. The official WTG# will be assigned.
- Microbiological Monitoring : Paul Schook will be permanently replacing Jana Rajan as Chairman. He will obtain all documents established to date, from multiple sources. This group will convene at the CTI Summer Meeting.
- Deposit Monitoring : Barb Moriarty agreed to replace Jasbir Gill as Chair. Wangerin to get historical body of documents to her. Moriarty to assign tasks before CTI Summer Meeting.
- Non-Chemical Devices : The new name of "Physical Water Treatment" was proposed for this group. The focus of this document will be to focus on how overall performance is monitored. Cunningham will prepare scope and solicit agreement within the group, prior to the CTI Summer Meeting, at which time the list of objectives will be reviewed. If these objectives are deemed as valid, this group will continue.
- Application of Non-Oxidizing Microbiocides : Jon Cohen to act 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). The official WTG # for this group is to be assigned.



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5. Liaison Reports

- *AWT* (Pierson reporting): Annual convention occurred in October, 2011. It is getting larger each year, consisting of Water treaters and vendors. CTI and AWT possess many similarities in Task Group Formation. Currently AWT is trying to mine universities for its future membership. AWT is still involved in all main water treatment disciplines (Boiler, Cooling, Wastewater). AWT also puts on 2 Technical Training seminars each year.
- *ASHRAE*: STD 188P is out and was addressed in the Panel Discussion.
- *EPRI* (Micheletti reporting): Sector system was explained. The utility funders meet to decide how research dollars are allocated. Most of the cooling water issues resided within the nuclear sector. The EPRI Cooling Tower Conference is set for the 1st week in August, with abstracts due in this March. Final papers and presentations are due on May 1, 2012. There are currently 2 EPA rules being proposed. The first being 316 B, Clean Water Act, dealing with the adverse effects of Cooling Water Treatment (Once-Through effluents, mainly). This will affect 450 power plants by this July, when the proposal is formalized. The second EPA rule deals with Effluent Limitation Guidelines. This represents the first “re-look” at cooling systems in this regard in 30 years, and will be used at the time a plant is setting up its NPDES permit. The principle water discharge characteristics will be focused upon: oil/grease, pH, Temp, TSS, TRC.
- *NACE*: No report given.
- *IWC* (Puckorius reporting): The Orlando meeting was very successful, as many technical papers were presented. The attendance was the highest ever recorded, featuring 15-18 workshops and exhibits. The next meeting is scheduled to take place in San Antonio, TX. The Pittsburgh location may actually be abandoned to the extremely rapid expansion of the organization.
- *ASME* (Stroman reporting): Municipal wastewater for cooling tower makeup use is the newest form of water reuse under consideration. Kiser proposed setting up a Task Group to address this specific topic since *municipal* wastewater has not been specifically considered up till now.

6. New Business

- *Legionella* STD 159 is projected to be public by 2012 CTI Summer Meeting. ASHRAE STD 188P is projected to be public by June 2012.
- Wangerin solicited topic ideas for 2013 CTI Winter Meeting Water Treating Panel Discussion. The main ideas to be moved forward for further development include:
 - After STD 188P and STD159—What Next? (Water Treatment Standards and Compliance)
 - Recycled Water in Cooling Towers (Municipal Wastewater, possibly?)
 - What Type of Cooling System is Best Suited for My Facility?
 - Non-traditional/Alternative Water Treatment
 - HACCP—How Do We Implement It? (1 person from a certified subject authority to serve on panel)
- Idea proposed to contact a Certified HACCP Implementation Training Group to provide a 2-Day training workshop, possibly tacked on the end of the CTI Winter Meeting in 2013 in Corpus Christi, TX. This would require a good deal of advance notification to all CTI members, for obvious scheduling and cost considerations to be addressed. Cunningham will establish contact with the HACCP Implementation Training Team he knows of, in Long Beach, CA, to determine the overall feasibility of making this a reality.
- Cooling Tower Fill and Basin Cleaning – Bill Howard: Joint Committee effort to be included in the agenda for the CTI Summer meeting.
- Summer Meeting announced: July 8-11, 2012 Tucson, AZ

The meeting adjourned at 3:45 P.M.

Minutes prepared by:

Pete Elliott, WT Secretary

Matt Wangerin, WT Chairman