

**DMCC PROGRAM TELECONFERENCE 09-02**  
**TUESDAY, MARCH 17, 2009; 12:30 PM-1:30 PM EDT**

**Teleconference 09-02 Participants**

<b>Maureen Alai</b>	<b>National Atmospheric Release Advisory Center (NARAC)</b>
<b>Tom Bellinger</b>	<b>BWXT Y-12</b>
<b>John Ciolek</b>	<b>Alpha-TRAC (representing Sandia National Laboratory [SNL])</b>
<b>Kirk Clawson</b>	<b>Idaho National Laboratory (INL)</b>
<b>Dorothy Cohen</b>	<b>Oak Ridge Institute for Science and Education (ORISE)</b>
<b>Jim Fairobent</b>	<b>Office of Emergency Management &amp; Policy (NA-41)</b>
<b>Cliff Glantz</b>	<b>Pacific Northwest National Laboratory (PNNL)</b>
<b>Chuck Hunter</b>	<b>Savannah River National Laboratory (SRNL)</b>
<b>Carl Mazzola</b>	<b>Shaw Environmental</b>
<b>John Merrick</b>	<b>Consultant</b>
<b>Walt Schalk</b>	<b>Air Resources Laboratory/Special Operations and Research Division (ARL/SORD), Nevada Test Site (NTS)</b>
<b>Steve Vigeant</b>	<b>Shaw Environmental</b>

**Teleconference Highlights**

**I. Roll Call**

Carl Mazzola conducted a roll call and acknowledged that 12 individuals involved in the DOE Meteorological Coordinating Council (DMCC) program were present, and the teleconference was called to order.

**II. Administrative Matters**

**A. Previous Teleconference Highlights and Action Items**

Carl Mazzola stated that highlights of the January 22, 2009 teleconference have been developed and will soon be posted by ORISE on the DMCC portion of the Emergency Management Issues Special Interest Group (EMI SIG) web page.

**B. DMCC Action Item Status**

Carl indicated that an updated DMCC Program Action Item (AI) listing was sent out with the agenda. Six action items were open, and the progress on these AIs will be discussed in today's conference call. The status of assist visits is maintained in a separate portion of that table.

The existing DMCC AI list and assist visit status table will be updated on the basis of information exchanged during this teleconference and from developments of other relevant events.

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**C. DMCC 2009 Meeting Planning**

Walt discussed his draft agenda of the upcoming May 4, 2009 DMCC Meeting. Since last year's meeting went so well, it was decided to keep the same format and look for speakers local to the San Francisco area to participate. These include NARAC and the Navy's Fleet Numerical Modeling Operations Center (FNMOC). However, during the teleconference, it was determined that there was much information to share among the sites and the agenda will be refocused in that direction with a majority of the time delegated to a round robin and lessons learned. The final agenda should be ready before the end of the month.

Kirk Clawson mentioned that he would be unable to attend the meeting. Since several others are also affected by diminishing budgets, a Go To Meeting link will be set up to enable remote participation.

**III. Assist Visit Status**

Carl discussed the status of the ongoing DMCC Assist Visit (AV) program.

**Y-12**

Tom Bellinger is addressing the 24 observations and recommendations from the May 28-29, 2008 assist visit and may be able to meet with the Oak Ridge National Laboratory (ORNL) Assist Visit team next week to discuss progress.

**Hanford Site**

An AV was conducted on September 25-26, 2008 and the AV team developed 29 observations and recommendations. A draft report was issued on December 17, 2008, with comments requested by January 15, 2009. Will Shaw indicated comments should be ready by late-March 2009. A target for issuing the final report has been set for mid-April 2009.

**Oak Ridge National Laboratory (ORNL)**

Kevin Birdwell requested an AV in October 2008 and NA-41 indicated it would support this effort. Carl met with Kevin on September 9, 2008 and with Kevin and other ORNL stakeholders on December 8, 2008 to scope out the March 24-25, 2009 ORNL AV. Matt Parker, Walt Schalk and Carl Mazzola are the AV team.

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**Savannah River National Laboratory (SRNL)**

Chuck Hunter will be formally requesting an AV and a June 9-10, 2009 period has been established for it.

**Idaho National Laboratory (INL)**

Kirk Clawson is developing a formal response to the 2004 AV. He intends to request a follow-up assist visit for mid-September 2009.

**Pantex**

Brent Bowen will be conducting a self-appraisal of the Pantex site in February, 2009. Carl indicated that the last AV at Pantex was conducted in April 1997 and that DMCC can augment this self-appraisal, if requested.

**IV. DMCC Projects**

**AI 07-02: DOE EH-0173 Update and Draft DOE O 458.1:** Gus Vazquez was not available to provide a status update on the DOE EH-0173T *Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance* which will become a companion to the upcoming revision of DOE O 5400.5, *Radiation Protection of the Public and the Environment* (DOE 458.1). The revised eleven-chapter 1991-vintage guide has been updated and is being held at DOE Office of Health Safety and Security Office of Nuclear Safety and Environment (HS-20). Once the changes to DOE O 458.1 are finalized and it goes through RevCom, the revision of DOE/EH-0173 can be completed to ensure consistency between the two documents. Gus will request a DMCC review of Chapter 5 of DOE/EH-0173T since it was prepared back in 2004. Draft DOE O 458.1 is expected to go to RevCom in the summertime; it currently includes meteorological monitoring requirements.

**ACTIVITY PROCEEDING.**

**AI 08-03: DOE/NNSA Meteorological Program Equipment Survey:** The work on the DOE/NNSA meteorological program equipment survey is being jointly conducted with the Nuclear Utility Meteorological data User Group (NUMUG) with John Ciolek leading the effort. The survey will be small and compact in several segments. It will be easy to fill out in 10-15 minutes and will be sent out more frequently than annually. John is working with NUMUG to finish the mini-survey which will be sent out in the next few weeks to both NUMUG and DMCC members. **ACTIVITY PROCEEDING.**

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**AI 08-05: DMCC Consequence Assessment Self-Appraisal Guide:** Carl indicated that the DMCC Consequence Assessment Self-Appraisal Guide is still currently under NA-41 review. It is hoped that it will be ready to issue to all sites in Compact Disk (CD) form at the TRADEing Post during the EMI SIG meeting. The final draft of this guide will be used for the ORNL Assist Visit. **ACTIVITY PROCEEDING.**

**V. DMCC Issues**

**AI 06-12:** Cliff Glantz updated the progress on meteorological data Software Quality Assurance (SQA). The value of this product is to have it available should NNSA/DOE site managers request it. It will also be available to commercial suppliers to ensure that they integrate it into the new instrumentation software. It will focus on the most important SQA elements which include configuration management, user's guides and documentation, and adequate verification and validation. Cliff is targeting issuing a draft for DMCC review by the DMCC meeting. **ACTIVITY PROCEEDING.**

**VI. Status of Related Federal/Private Sector Programs**

**AI 04-11: Meteorological Monitoring and Meteorological Modeling Voluntary Consensus Standards (VCSs):**

DMCC members are involved in the development and maintenance of seven national voluntary consensus standards (VCSs) with the American Nuclear Society (ANS) as the Standards Development Organization (SDO). The following presents the status of each of development efforts for these seven standards:

- **ANSI/ANS-2.15 Criteria for Modeling and Calculating Atmospheric Transport of Routine Releases from Nuclear Facilities, ANSI/ANS-2.16 Criteria for Modeling Design-Basis Accidental Releases from Nuclear Facilities, and ANSI/ANS-3.8.10 Criteria for Modeling Real-Time Releases at Nuclear Facilities:** John Ciolek discussed the status of ANSI/ANS-2.15, ANSI/ANS-2.16, and ANSI/ANS-3.8.10, indicating that after ANSI/ANS-2.15 moves into the consensus review process, ANSI/ANS-2.16 and ANSI/ANS-3.8.10 will be developed. The ANSI/ANS-2.15 working group has done a lot of reformatting work and has changed the focus of the standard from descriptive to prescriptive. The Working Group (WG) will be holding its next teleconference on March 26, 2009. A draft for consensus review of ANSI/ANS-2.15 is still targeted for the October 2009 NUMUG Meeting.
  
- **ANSI/ANS-2.21 Criteria for Assessing Atmospheric Effects on the Ultimate Heat Sink:** Steve Vigeant, working group chair to ANSI/ANS-2.21, reported that a second draft of that standard is under review by the working group. Nuclear Facilities Standards Committee (NFSC) review is targeted for May-June 2009.

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- **ANSI/ANS-2.3 *Determining Tornado and Other Extreme Wind Characteristics at Nuclear Facility Sites***: Carl Mazzola reported that the ANSI/ANS-2.3 working group has developed a later draft of ANS-2.3. It met on March 12, 2009 and did some excellent work on defining extreme straight-line winds, hurricanes, and tornado winds and pressure drops for all three regions of the United States. It is targeted for issuance in February 2010. This standard will support Natural Phenomena Hazard (NPH) DOE guides and standards.
- **ANSI/ANS-3.11 *Determining Meteorological Information at Nuclear Facilities***: Matt Parker is the new chairperson of ANSI/ANS-3.11. It was determined that this standard is adequate for the present time and will be submitted for reaffirmation some time in 2010, when it reaches its 5-year sunset. **ACTIVITY PROCEEDING.**
- **ANSI/ANS-58.25 *Standard for Radiological Accident Offsite Consequence Analysis (Level 3 PRA) to support Nuclear Installation Applications***: Carl Mazzola has joined the working group of this standard associated with Level III probabilistic risk assessments. It addresses both meteorological data and atmospheric transport and dispersion models for risk-informed safety evaluations. Carl has taken over the writing responsibility for Geoff Kaiser, Science Applications International Corporation (SAIC). Keith Woodard, ABS, is the chairperson. This group will be meeting in Atlanta, GA in June, 2009 alongside the Annual ANS Meeting.

**VII. NNSA/DOE Site Initiatives**

**AI 08-02**: At an earlier teleconference, Scot Johnson indicated that he hadn't yet contacted Ken Wastrack for guidance on the Los Alamos National Laboratory (LANL) sonic anemometer comparison to mechanical anemometers. Scot was not available for an update. **ACTIVITY PROCEEDING.**

**VIII. DMCC Web Page and Forum Reports**

Cliff indicated that the DMCC web page was upgraded a few months ago and a link to EMI SIG meeting and hotel pages has been added.

John stated that the DMCC Forum is presently being successfully used for the ANS-2.15 standards writing effort and continues to be available for the membership to post useful information and share ideas.

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**IX. New Business: Round Robin**

Carl led a brief round robin discussion since there was very little time left in the call:

**Y-12**: Tom is still in the process of implementing the real-time monitoring of wet-bulb globe temperature (i.e., globe inside 6-inch copper sphere). In an earlier teleconference, Carl Mazzola mentioned that there may be an American Society for Testing and Materials (ASTM) standard on wet-bulb globe temperature.

**SRNL**: Chuck shared that Savannah River Site (SRS) has recently qualified as a storm-ready site by the National Weather Service (NWS) and its emergency preparedness organization. The qualification is good for three years. INL also has the same qualification

**NTS**: Walt indicated that NTS is also looking into qualifying as a storm-ready site.

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**X. Next DMCC Conference Call**

The next DMCC Conference call is scheduled for **July 21, 2009**. All future 2009 DMCC conference calls will be conducted the third Tuesday of every odd month.

**XI. Adjournment**

The teleconference was adjourned at **1:29 pm EDT**. Carl thanked everyone for their time and their contributions.

**XII. DMCC Program Action Item (AI) Status**

Based on the information exchange from the DMCC Meeting and this teleconference, no new AIs were opened, and no AIs were closed. This number of DMCC AIs remains as seven (7).

The color-coding system used in the teleconference highlights are as follows:

- Existing AIs that are not closed are colored green;
- New AIs are colored yellow; and,
- AIs to be closed are colored blue.

Carl Mazzola will update the DMCC action item list based on the information exchange from this conference call.

Respectfully Submitted,

*Carl Mazzola*