

DMCC PROGRAM TELECONFERENCE 08-04
TUESDAY, SEPTEMBER 16, 2008; 2:00 PM-3:00 PM EDT

Teleconference 08-03 Participants

Tom Bellinger, BWXT Y-12
John Ciolek, Alpha TRAC
Kirk Clawson, INL
Dave Freshwater, NA-41
Cliff Glantz, PNNL
Chaz Harris, OFCM
John Harris, DOE/ORO
Carl Mazzola, Shaw Environmental
Fred Mogolesko, Entergy (retired)
Walt Schalk, ARL/SORD
Gustavo Vazquez, DOE/HS-21
Steve Vigeant, Shaw Environmental

Teleconference Highlights

I. Roll Call

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

II. Administrative Matters

A. Previous Teleconference Highlights and Action Items

Carl Mazzola indicated that highlights of the July 8, 2008 teleconference have been developed and will be posted by ORISE on the DMCC portion of the EMI SIG web page.

B. DMCC Action Item Status

Carl indicated an updated DMCC Program Action Item (AI) listing was sent out with the agenda. Nine (9) action items were open, and the progress on these AIs will be discussed in today's conference call. The status of assist visits is in a separate status table. The existing DMCC AI list and assist visit status table will be updated on the basis of information exchange during this teleconference and other relevant events.

C. American Nuclear Society (ANS) Topical Meetings on Emergency Preparedness & Response (EP & R)

No additional discussion on the 11th EP & R meeting which has been established in downtown Knoxville, TN, the week of August 7, 2011.

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III. Assist Visit Status

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

Oak Ridge Reservation: Y-12

Tom Bellinger and Robert Gee requested a follow-up to the May 2004 Y-12 AV, which took place on May 28-29, 2008. Carl Mazzola and Matt Parker performed the assist visit and developed 24 observations and recommendations. The final was delivered in early August.

Oak Ridge National Laboratory (ORNL)

During the DMCC meeting and the Y-12 AV, Kevin Birdwell, who runs the ORNL meteorological program, mentioned that he would be requesting an AV. Carl met with Kevin on September 9, 2008 and a March 2009 target was discussed.

Hanford Site

Carl Mazzola presented the AV program to Will Shaw and Cliff Glantz on May 2, 2008. They indicated that an AV before the upcoming meteorological program procurement may serve as a good baseline of the program. An AV was requested to Gus Vazquez and Jim Fairbent in August 2008. The AV Team will arrive in Hanford for a September 25-26, 2008 AV.

Savannah River National Laboratory (SRNL)

Chuck Hunter had earlier indicated that the AV at Savannah River Site (SRS) is tentatively scheduled for late-2008. This has been delayed until spring 2009.

Idaho National Laboratory (INL)

Kirk Clawson is developing a formal response to the 2004 AV and may request a follow-up assist visit sometime in FY11.

Brookhaven National Laboratory (BNL)

A Statement of Work to perform an AV at BNL was sent on October 15, 2006. BNL is evaluating funding options and when it would like the AV performed. BNL reiterated its need for an AV at the DMCC Meeting and although quite interested, has no funding. Gus Vazquez will assist in partial funding. No further discussion during this teleconference.

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IV. DMCC Projects

AI 07-02: Gus Vazquez provided a status on the DOE EH-0173T update and indicated that the balance of the chapters of this technical guide has been revised in a similar manner to Chapter 5, Meteorology. This guide will become a companion to the upcoming revision of DOE O 5400.5. The revision to this eleven-chapter 1991-vintage guide has been prepared and is undergoing DOE/HS internal review and will soon be placed on Rev Com. Gus indicated that the update to DOE O 5400.5 is still ongoing and until this effort is complete, the draft of DOE/EH-0173T will not be issued for review. Once the changes to DOE O 5400.5 are finalized, DOE/EH-0173 can be finalized to ensure consistency between the two documents. Gus will request a DMCC review of Chapter 5 since it was prepared back in 2004. DOE O 5400.5 is expected to be completed in the September-October 2008 timeframe. It is in red team draft stage. **ACTIVITY PROCEEDING.**

AI 08-03: The work on the DOE/NNSA meteorological program equipment survey has not yet begun. It will be modeled after the NUMUG survey. John Ciolek volunteered to take the lead. **ACTIVITY PROCEEDING.**

AI 08-05: Carl shared that the DMCC Consequence Assessment Self-Appraisal Guide is about 60% complete. Funding to complete the work will be available in early FY09. The SCAPA Consequence Assessment Modeling Working Group (CAMWG), now chaired by Jeremy Rishel, PNNL, will be providing a peer review. Dave Freshwater mentioned that there was a draft guide on the front page, right hand side of the EMI SIG web page from the DOE O 226.1 accreditation program. This was based on a Y-12 pilot that was initiated by John Bolling. Although the DMCC Consequence Assessment Self-Appraisal Guide is consistent with Appendix D to DOE G 151.1-1 (Consequence Assessment), NA-41 may want information in this draft document included in the guide. **ACTIVITY PROCEEDING.**

V. DMCC Issues

AI 06-12: With respect to the SQA associated with meteorological data acquisition, DMCC interest is in the more narrow area of meteorological monitoring software. Cliff Glantz updated the progress on this issue and mentioned that he and Walt Schalk presented separate papers at the March 2008 topical meeting on this subject and he presented it at the DMCC meeting and to the nuclear utility meteorological program managers at the June 2008 Nuclear Utility Meteorological data User Group (NUMUG) meeting. Response was very positive at these trade group meetings.

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Cliff indicated that there are plans to develop a separate task force to address this matter. The value of this product is to have it available if NNSA/DOE site managers request it, and 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. The papers will be posted on the DMCC web page. At today's teleconference, Cliff mentioned that a later draft of the SQA guidance will be available for review around September 30, 2008. **ACTIVITY PROCEEDING.**

VI. Status of Related Federal/Private Sector Programs

AI 04-11: 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. Nine professionals attended the ANSI/ANS-2.15 working group teleconference. A draft for consensus review of ANSI/ANS-2.15 is targeted for September 2009. ANSI/ANS-2.15 addresses routine releases. The working group achieved consensus in that complex terrain modeling is not applicable since the releases are so small.

Steve Vigeant, working group chair to ANSI/ANS-2.21, ultimate heat sink, reported on the progress of this standard. The working group has been formed. Steve mentioned that Matt Parker provided a draft of that standard from Al Garrett who was on the earlier working group and who is on this working group. **ACTIVITY PROCEEDING.**

VII. NNSA/DOE Site Initiatives

AI 07-06: At an earlier teleconference, Walt Schalk agreed to make NTS-developed fire forecasting guideline which employs the Haynes Index and dry lightning probability. Walt mentioned that he is not yet ready with the document and that he hopes it will be available to DMCC members around December 2008. **ACTIVITY PROCEEDING.**

AI 08-02: At an earlier teleconference, Scot Johnson indicated that he hadn't yet contacted Ken Wastrack for guidance on the LANL sonic anemometer comparison to mechanical anemometers. Ken had done a similar study for TVA in early 2001. Scot shared that the measurements of both types of wind speed/wind direction instruments are tracking very well. Mark Fitzgerald mentioned that he was aware of an Air Force report on the subject and will get a copy to Scot for his use. No further discussion at this teleconference. **ACTIVITY PROCEEDING.**

AI 08-04: At an earlier teleconference, Erik Kabelá will e-mail the SRS field mill technical paper to Walt Schalk for posting on the DMCC web page. No further discussion at this teleconference. **ACTIVITY PROCEEDING.**

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VIII. DMCC Web Page and Forum Reports

Cliff shared that ORISE had implemented several updates to the SCAPA web page that have improved its quality and content. Similar updates to the DMCC web page will be completed in October 2008.

John stated that the DMCC Forum is up and running with only a few members using its tools to communicate with each other. The forum, which is similar to Share Point, is an excellent place to develop the ANSI/ANS standards and is being used for the ANS-2.15 effort.

IX. New Business: Round Robin

Carl led a round robin discussion:

Hanford: Cliff mentioned the preparation for the upcoming DMCC AV was in full swing and that the meteorological program custodians and customers were ready for the visit.

INL: Kirk shared his group's work on the INL roadway test which is being funded by an IAG with the Environmental Protection Agency (EPA). The study is aimed at producing empirical relationships associated with wake and cavity trapping of air toxics behind sound barriers. FRD is using line releases of sulfur hexafluoride, as a tracer gas, and the HYSPLIT 3-dimensional mass-consistent atmospheric dispersion model.

Regarding the HYSPLIT replacement of the almost 30-year old MDIFF, it is moving forward with the effort concentrated on the code running with real-time meteorological data rather than forecast data.

NTS: Walt indicated that SORD is maintaining its operational status and is seeking new users beyond its primary mission at NTS. One possibility is to provide deconfliction support to air space users over Nellis Air Force Base and NTS since meteorological data is very important to this effort. .

Y-12: Tom indicated that the sound curtain for the ASC Doppler SODAR has been upgraded to reduce noise interference. In addition, the popular first freeze contest will be brought back for its second year. Lastly, Tom was featured in the Knoxville Sentinel as a person with an interesting job.

X. Next DMCC Conference Call

The next DMCC Conference call will be scheduled in November 2008.

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XI. Adjournment

The teleconference was adjourned at **3:00 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 at nine.

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