

DMCC Website

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EMERGENCY MANAGEMENT ROUNDUP

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DOE Meteorological Coordinating Council

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The DOE Meteorological Coordinating Council (DMCC) was established in December 1994 to coordinate meteorological support and atmospheric research to meet DOE/NNSA objectives, with the ultimate goal of saving taxpayer dollars through sitewide synergy.



Use the links to the right to learn more.

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Overview

The overarching mission of the Department of Energy's (DOE) Meteorological Coordinating Council (DMCC) is to effectively coordinate meteorological programs at all DOE / National Nuclear Security Administration (NNSA) sites to avoid duplication of effort and to maximize procurement and operational frugality.

The DMCC objectives are:

- Promote cost-effective support for all DOE/NNSA facilities
- Facilitate the use of common methods, procedures, and standards
- Plan for future needs, requirements, and missions
- Advocate awareness of atmospheric science applications and benefits to DOE

The DMCC accomplishes its objectives by using the following methods:

- Encourage interchange of technical information between DOE/NNSA offices
- Foster the development of atmospheric monitoring equipment and systems
- Acquire and disseminate atmospheric data products to meet ES&H needs and requirements
- Promote consistency of monitoring and assessment products and services
- Interface with appropriate agencies, academics, and professional organizations
- Make recommendations on equipment procurements, replacements, and modifications to benefit DOE/NNSA operations
- Provide consultation and technical assistance to foster cooperation and

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Links to Meteorology Web Sites at Selected DOE/NNSA Sites

A number of DOE/NNSA sites have publicly accessible Web sites that provide useful meteorological and climatological information. These include:

- The [Brookhaven National Laboratory \(BNL\) Meteorology Services](#) website provides information on meteorological conditions, forecasts, and climatological data for the Brookhaven Site. The [BNL Atmospheric Sciences Division](#) performs research focused mainly on the chemistry, physics, and transport of substances in the atmosphere.
- The [Hanford Meteorological Monitoring Program](#) provides meteorological monitoring and weather forecasts for the Hanford Site. The website features links to real-time meteorological data and climatological data (weather forecasts are not provided on the program's publicly-accessible website). In addition to operating the meteorology monitoring program, Pacific Northwest National Laboratory (PNNL) performs a wide range of basic and applied research in the atmospheric sciences. This work is conducted by PNNL's [Atmospheric Science & Global Change Division](#).
- The [Idaho National Laboratory \(INL\) Meteorology Program](#) conducts basic and applied atmospheric science research and meteorological support for operations at the Idaho Site. The program website features links to meteorological data, forecasts and warnings, and climatological data for the Idaho Site. This program is operated by the Field Research Division of NOAA's ARL.
- The [Lawrence Livermore National Laboratory \(LLNL\) Weather Pages](#) provide information on meteorological conditions, forecasts, and related tools. The University of California operates this program and the [National Atmospheric Release Advisory Center](#) (NARAC). The NARAC is a national

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DMCC Meeting Reports

The Department of Energy (DOE) Meteorological Coordinating Council meets periodically and publishes reports of those meetings.

The following documents are available as PDF files. To view them, you will need the Adobe Acrobat Reader, which can be downloaded free from the [Adobe Support Site](#).

[2006 Report](#)
Also see:

- [Appendix A - Agenda](#)
- [Appendix B - DMCC Overview](#)
- [Appendix C - DOE Subpart H Report](#)
- [Appendix D - The ARL/SORD Website](#) (6 MB)
- [Appendix E - The Website for the Hanford Meteorology Station](#) (3 MB)
- [Appendix F - NOAA/FRD's INL Meteorological Partnership Status](#) (5 MB)
- [Appendix G - ANSI/ANS Meteorological Voluntary Consensus Standards](#)
- [Appendix H - Voluntary Consensus Standards](#)
- [Appendix I - Investigation of Range-Applicable Lightning Detection Systems](#)
- [Appendix J - Proposed Regional Centers for Emergency Response in Support of the Federal Consequence Assessment](#)
- [Appendix K - DMCC Assist Visit Program](#)

Archive

- [2004 Report](#)
- [2003 Report](#)

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Publications

A listing of publications referenced or available on this DMCC site.

[Investigation of Range - Applicable Lightning Detection Systems](#)

This publication is an investigation of current operating lightning activity/potential monitoring systems. The primary purpose of the study was to compare systems used to determine the static electrical field at the sites. The study was across 10 Federal facilities using up to four systems to determine the static electrical field. One research grade system being evaluated, the LDAR/LMA might increase the lightning detection envelope by 5 to 10 minutes.

DOE/NNSA Order NSO O 440.X2
NEVEDA SITE OFFICE
[SITE-WIDE-LIGHTNING DETECTION AND PROTECTION](#)

Objective: This Order establishes the requirements for site-wide lightning detection and protection at the National Nuclear Security Administration (NNSA) Nevada Site Office (NNSA/NSO) Nevada Test Site (NTS) to protect property and guard the safety of NTS personnel.

Applicability:

- The provisions of this Order apply to all NNSA/NSO organizational elements including contractors, National Laboratories, other federal agencies, and other user organizations performing work under the purview of NNSA/NSO.
- Contractor requirements are contained in the Contractor Requirements Document (CRD), Attachment 1. Compliance with the CRD is required to the extent set forth in an NNSA contract.

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Teleconference Highlights

The DMCC meets regularly by conference call.

Current Highlights

- [March 2007](#)
- [January 2007](#)
- [October 2006](#)
- [August 2006](#)

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DMCC PROGRAM TELECONFERENCE 07-02
TUESDAY, MARCH 20, 2007, 11:00 AM-12:00 PM EDT

B. DMCC Action Item Status

Carl Mazzola discussed the updated DMCC Program Action Item (AI) list. At the time of the teleconference, 16 action items were open progress on the AIs were discussed during the conference call. The existing DMCC AI list was updated on the basis of information exchanged during the teleconference and other relevant events.

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

Carl Mazzola stated that the 10th EP & R meeting will take place at the Hotel Albuquerque in Old Town Albuquerque, NM, on March 9-12, 2008. A Call for Papers has been posted (<http://cimar.mae.utn.edu/irs4/>) and has been forwarded to the SCAPA and DMCC list serves. Authors are requested to submit a 500-word abstract to the ANS Community of Science (COS) electronic submission system by August 1, 2007. The COS system will be available to accept abstracts by April/May 2007... Abstracts will be reviewed by the technical program committee between August 2, 2007 and September 15, 2007. Authors will be notified of the acceptance or rejection of their abstracts by September 30, 2007. Full-length paper submissions are due by November 11, 2007.

The following topics are applicable to the DMCC: (1) Guides, standards, and regulations; (2) Late breaking research/issues; (3) Hazardous materials and consequence analysis; (4) Consequence modeling at DOE/INNSA facilities; (5) International consequence assessment modeling; (6) Severe weather support at nuclear facilities; (7) Software quality assurance requirements for EP&R; (8) Actual events and exercises - lessons learned; (9) Emergency response systems and equipment; and, (10) New and emerging technologies for Emergency Preparedness & Response.

D. DMCC Meeting

On March 15, 2007, Carl Mazzola and Walt Schalk developed the agenda for the May 7, 2007 14th DMCC Meeting to be held at the EMI SIG meeting in San Antonio, TX. It has been posted on the web page. Carl and Walt reviewed the agenda and encouraged all DMCC members to support and attend the meeting. Carl emphasized that speakers are needed for the round-rob segment of the meeting; Kirk Clawson, Cliff Glantz, Walt Schalk, Carl Mazzola, and Pat Hayes, all committed to delivering presentations.

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