



***DOE METEOROLOGICAL
COORDINATING COUNCIL (DMCC)***

SCAPA 2005 MEETING

May 5, 2005



MISSION

COORDINATE METEOROLOGICAL SUPPORT AND ATMOSPHERIC RESEARCH TO MEET DEPARTMENT OF ENERGY (DOE) OBJECTIVES

OBJECTIVES

- 1. PROMOTE COST-EFFECTIVE SUPPORT FOR ALL DOE FACILITIES.**
- 2. FACILITATE THE USE OF COMMON METHODS, PROCEDURES, AND STANDARDS.**
- 3. PLAN FOR FUTURE NEEDS, REQUIREMENTS, AND MISSIONS.**
- 4. ADVOCATE AWARENESS OF ATMOSPHERIC SCIENCE APPLICATIONS AND BENEFITS TO DOE.**

DMCC PARTICIPANTS

DOE/NNSA

- HEADQUARTERS (NA, EH, OS, OA)
- NEVADA OPERATIONS OFFICE (NTS)
- OAK RIDGE OPERATIONS OFFICE (Y-12/ETTP)
- RICHLAND OPERATIONS OFFICE (HANFORD)
- SAVANNAH RIVER OPERATIONS OFFICE (SRS)
- CARLSBAD AREA OFFICE (WIPP)
- PANTEX AREA OFFICE (PANTEX)
- OHIO AREA OFFICE (FERNALD, MOUND)
- YUCCA MOUNTAIN PROJECT OFFICE
- ROCKY FLATS ENVIRONMENTALTECHNOLOGY SITE

DOE NATIONAL LABORATORIES

- SANDIA (ABQ)
- LOS ALAMOS
- OAK RIDGE
- BROOKHAVEN
- LAWRENCE LIVERMORE
- IDAHO
- SAVANNAH RIVER
- ARGONNE (EAST)
- ARGONNE (WEST)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

- AIR RESOURCES LABORATORY
(SORD, FRD, ATDD)
- OFFICE OF THE FEDERAL
COORDINATOR FOR METEOROLOGY

DUGWAY PROVING GROUND

ARMY RESEARCH LABORATORY

NUCLEAR REGULATORY COMMISSION

DMCC STEERING COMMITTEE

Dr. Darryl Randerson, Chairman
NOAA/ARL/SORD
Las Vegas, NV

Mr. James E. Fairbent
U.S. Department of Energy, NA-41
Washington, D.C.

Mr. Gustavo Vazquez
U.S. Department of Energy, EH-412
Washington, D.C.

Mr. Rickey Petty
U.S. Department of Energy, OS-53
Germantown, MD

Mr. Edward J. Forness
U.S. Department of Energy, DOE/NNSA/NV
Las Vegas, NV



DMCC MEETINGS

- **Dec 1994: Las Vegas, NV (First Meeting)**
- **Jun 1995: Boulder, CO, with ERL/ETL (First Technical Meeting)**
- **Dec 1995: Washington, D.C., DOE/HQ**
- **Jun 1996: Reno, NV (with ANS)**
- **Feb 1997: Oak Ridge, TN**
- **Oct 1997: South Bend, IN (with NUMUG)**
- **Oct 1998: Las Vegas, NV**
- **Sep 1999: Santa Fe, NM (with ANS)**
- **Oct 2000: Las Vegas, NV (with NUMUG and SCAPA)**
- **Jan 2002: Orlando, FL (with AMS)**
- **Feb 2003: Long Beach, CA (with AMS)**
- **Nov 2004: Washington, D.C., DOE/HQ (with ANS)**

ASSIST VISITS



- **Apr. 1996: Nevada Operations Office, NTS (for ARL/SORD)**
- **Apr. 1997: Pantex Site (for Battelle-Pantex)**
- **Sep. 1997: Oak Ridge Reservation: Y-12, ORNL, ETTP (for OROO)**
- **Oct. 1997: WIPP (for Washington TRU Solutions)**
- **Aug. 1999: WIPP (for Washington TRU Solutions)**
- **Aug. 2002: WIPP (for Washington TRU Solutions)**
- **May 2003: SNL – Albuquerque (for University of California)**
- **May 2004: Oak Ridge, Y-12 (for BWXT Emergency Management)**
- **Sep. 2004: INEEL (for ARL/FRD)**

Tools Window Help

http://www.ora.gov/emi/scapa/index.htm

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Welcome to SCAPA!

The **Subcommittee on Consequence Assessment and Protective Actions** (SCAPA) provides the US Department of Energy (DOE) and its contractors with technical information and recommendations for emergency preparedness to assist in safeguarding the health and safety of workers and the public. SCAPA deals with both radiological and nonradiological materials. SCAPA working groups are providing guidance to DOE and its contractors on:

- [Temporary Emergency Exposure Limits \(TEELs\)](#) provide community exposure limits for chemicals;
- Approaches and techniques for assessing the potential consequences of chemical releases for [individual chemicals](#) and [mixtures of chemicals](#);
- Development of source terms (i.e., radiological, chemical, biological) for emergency preparedness applications including information on the size spectra distribution for solid releases;
- [Consequence assessment modeling](#) with an emphasis on the dispersion and deposition of contaminants;
- Protective actions that can reduce potential impacts to workers and the public; and
- New technologies that may be deployed to improve emergency preparedness.

One aspect of SCAPA's mission is to promote consistency in emergency preparedness and emergency response to releases of hazardous materials throughout the DOE system. To accomplish this, SCAPA provides a forum for information sharing. SCAPA actively works with other governmental agencies and industry with the intent of promoting coordination between agencies.

The operation of SCAPA is governed by its [charter](#).

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Working Groups

SCAPA has several working groups that focus on different technical areas. Currently or recently active SCAPA working groups are:

- [Consequence Assessment Modeling Working Group](#)
- [Source Term Working Group](#)
- [Chemical Exposures Working Group](#)
- [Chemical Mixtures Working Group](#)
- [TEELs Advisory Group](#)

An independent group whose work is often closely related to and closely followed by SCAPA is DOE's [Meteorological Coordinating Council](#) (DMCC). Many DMCC members are also members of the SCAPA.

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RECENT AND CURRENT ACTIVITIES

- Conducted 2004 DMCC Meeting Report (Posted on SCAPA Web Page)
- Performed Meteorological Data Assist Visit at Y-12 (5/04)
- Performed Meteorological Data and CA Assist Visit at INEEL (9/04)
- Developed DOE Meteorological Program Report for OFCM Federal Plan
- Developed Scoping Document for Revision of ASP&P
- Assisted in Population of DMCC Web Page Segment



RECENT AND CURRENT ACTIVITIES (CONT.)

- Completed Revision to Chapter 4 and Summary of DOE/EH-0173T
- Assisted ANSI/ANS-3.11 and ANSI/ANS-2.15 Working Groups
- Reviewed ASTM SODAR Standard
- Reviewed NESHAP Particulate Report
- Supported October 2003 NUMUG Meeting
- Supported OFCM Joint Action Groups



FUTURE ACTIVITIES

- Prepare and Convene November 2005 DMCC Meeting: Washington, DC
- Continue Assist Visit Program (Pantex/WIPP: September 2005)
- Continue Developing Annual DOE Meteorological Program Report for OFCM Federal Plan
- Develop Annual Meeting and Special Technical Reports
- NOAA MADIS Ingestion of QA DOE/NNSA Mesonet Data
- Provide Technical Assistance and Oversight on ASP&P



FUTURE ACTIVITIES (CONT.)

- Support ANSI/ANS Meteorological Standards (ANS-3.11/-2.15)
- Support Future Revisions to DOE/EH-0173T Chapter 4
- Establish Meteorological Data Environmental Monitoring Programs Link
- Support Sessions in 9th Topical Meeting on EP & R: Salt Lake City, UT (February 2006)
- Provide Meteorological Support to NA, EH and OS, as requested

