

NUCLEAR UTILITY METEOROLOGICAL DATA USERS GROUP MEETING

*Holiday Inn- Downtown
South Bend, Indiana*

PURPOSE

To provide a forum to address problems and exchange ideas for those collecting and utilizing meteorological data at nuclear facilities. A variety of presentations covering such topics as meteorological instrumentation, data collection techniques, quality assurance, and emergency response will be delivered. In addition, a discussion concerning potential revisions to the meteorological standard ANSI/ANS 2.5/ 3.11 will be held.

MEETING ACTIVITIES

Wednesday	October 8, 1997	7:00 PM	Registration and Reception
Thursday	October 9, 1997	7:00 AM	Registration and Continental Breakfast
Thursday	October 9, 1997	8:00 AM	Introductions and Presentations
Thursday	October 9, 1997	12:00 Noon	Luncheon
Thursday	October 9, 1997	1:00 PM	Presentations
Thursday	October 9, 1997	4:00 PM	NUMUG Business Meeting
Thursday	October 9, 1997	7:00 PM	Dinner Social at Tippecanoe Place
Friday	October 10, 1997	7:00 AM	Continental Breakfast
Friday	October 10, 1997	8:00 AM	Presentations

ACKNOWLEDGMENTS

I would like to thank our host, Dan Mihalik; American Electric Power, my fellow NUMUG steering committee members: Marvin Hayden, Duke Energy; Stan Krivo, USEPA; Matt Parker, Westinghouse Savannah River Company; and Ken Wastrack, TVA who helped plan the meeting, the numerous individuals who prepared presentations for the meeting, and Todd Baker and the Niagara Mohawk clerical staff who helped with administrative and preprint preparation.

Tom Galletta, Niagara Mohawk Power Corp.
NUMUG Steering Committee

Cover Photo: Niagara Mohawk Power Corporation's Nine Mile Point Nuclear Power Stations Unit 1 (left) and Unit 2 (right) and New York Power Authority's James A. FitzPatrick Nuclear Power Station (upper right) are BWRs located on the southeast shore of Lake Ontario.

Nuclear Utility Meteorological Data Users Group Meeting Agenda
The Holiday Inn- Downtown
South Bend, Indiana
October 8 - October 10, 1997

Wednesday, October 8:

7:00 PM Reception Holiday Inn-Downtown, South Bend, IN

Thursday, October 9:

7:00 AM Registration & Continental Breakfast

8:00 AM Introduction & Keynote Speaker *AEP Nuclear Senior Management*

Topic 1: *Developments In Industry Standardization / NRC Guidance*

8:20 AM ANSI/ANS-2.5/3.11 Revision Progress Report. *Stan Marsh, Southern California Edison*

8:40 AM What is DMCC. *Darryl Randerson, DOE Meteorological Coordinating Council*

Topic 2: *New Technologies For Meteorological Monitoring*

9:00 AM Streamlining the Meteorological Monitoring Process. *Doyle Pittman, TVA*

9:20 AM SAMS II - Surface Automated Meteorological System II (DOD site Salt Lake City, UT)
Rich Woolley, APPI

9:40 AM *Open Discussion*

10:00 AM *Break*

10:20 AM Integrated Data Acquisition Systems for Real Time Meteorological Monitoring.
Ron Webb, Environmental Systems Corp. (ESC)

10:40 AM New Technologies for Meteorological Measurements and Particle Counting.
Tom Pottberg, Met One Instruments

11:00 AM A Technique For Examining Tower Guy Wire Anchor Rods.
Matt Parker, Westinghouse Savannah River Company

11:20 AM Precipitation Estimates using NEXRAD during Bertha and Fran.
Mark Carroll, Murray & Trettel, Inc.

11:40 AM *Open Discussion*

12 Noon *LUNCH*

1:00 PM Comparison of In-situ Data from the Handar Sonic and Met One Cup and Vane System.
Frank Gouveia, Lawrence Livermore National Laboratories

1:20 PM Visualizing the Effect of the Coriolis and Frictional Forces Along a Coastline in Doppler Sodar Data.
Tom Bellinger, Illinois Dept. of Nuclear Safety

1:40 PM MiniSODAR: High Resolution Wind Profiling. *Ken Underwood, Aerovironment, Inc.*

Nuclear Utility Meteorological Data Users Group Meeting Agenda (cont.)
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2:00 PM A State-of-the-Art Meteorological Monitoring Upgrade at the Perry Nuclear Power Plant.
Jim Holian, Universe Technologies, Inc.

2:20 PM Open Discussion

2:40 PM Break

Topic 3: Meteorological Data Display / Dissemination

3:00 PM Sharing Meteorological Resources with the Local Community at the DOE's Savannah River Site.
Charles Hunter, Westinghouse Savannah River Company

3:20 PM Digital Recorders - A World Without Charts. *Mark Carroll, Murray & Trettel, Inc.*

3:40 PM Nuclear Utility Meteorological Data Users Group Meteorological Monitoring System Survey.
Ken Wastrack, TVA

4:00 PM Business Meeting

4:40 PM Adjourn for the day

7:00 PM Tippecanoe Place Dinner Social

Friday, October 10:

7:00 AM Continental Breakfast

Topic 4: Atmospheric Modeling / Dose Assessment

8:00 AM Consequence Assessment Models, Atmospheric Monitoring Equipment, and Atmospheric Projects Directory.
Carl Mazzola, Stone and Webster Engineering Corp.

8:20 AM An Evaluation of Current Mesoscale Modeling Capabilities Applied to Problems Impacting the Nuclear Power Industry.
Glenn Van Knowe, MESO, Inc.

8:40 AM Examples of High Resolution Data Produced by a 3-D Mesoscale Atmospheric Model.
John Zack, MESO, Inc.

9:00 AM Open Discussion

9:20 AM Break

9:40 AM Comprehensive Modeling System for Atmospheric Transport and Diffusion.
Danny Lu, Yamada Science and Art (YSA)

10:00 AM Performance Comparison of PGEMS & Midas Models Using Data from the DCPG Gas Tracer Experiments.
Gene Shelar, Pacific Gas and Electric

10:20 AM Open Discussion and Closing Statements

11:00 AM ADJOURN the CONFERENCE *(Early dismissal for Yom Kippur)*

* Please note that a copy of the NUMUG Charter has been inserted in the back of the preprint.