

NUCLEAR UTILITY METEOROLOGICAL DATA USERS GROUP MEETING

THE PARK HOTEL
2200 REXFORD ROAD
CHARLOTTE, NC 28211

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 monitoring standard ANSI/ANS-2.5-1984 will be held.

MEETING ACTIVITIES

Wednesday (October 19, 1994) @ 7:00 PM Reception

Thursday (October 20, 1994) @ 7:00 AM Registration & Continental Breakfast

Thursday (October 20, 1994) @ 8:00 AM Introduction & Presentations

Thursday (October 20, 1994) @ 12:00 PM Luncheon

Thursday (October 20, 1994) @ 1:00 PM Presentations

Thursday (October 20, 1994) @ 6:30 PM Dinner Social at CMS

Friday (October 21, 1994) @ 7:00 AM Continental Breakfast

Friday (October 21, 1994) @ 8:00 AM Presentations

Friday (October 21, 1994) @ 12:00 PM Luncheon & NUMUG Business Meeting

ACKNOWLEDGEMENTS

I would like to thank my fellow NUMUG steering committee members (Stan Marsh, Southern California Edison; Brad Harvey, Yankee Atomic Electric Company; Gene Shelar, EPRI; and Jim Holian, Spectrum Environmental Sciences, Inc. who helped plan the meeting, the numerous individuals who prepared presentations for the meeting and Marvin Hayden (Duke Power Company) who helped with administrative details for the meeting.

R. Nick Keener, Duke Power Company
NUMUG Steering Committee

***Nuclear Utility Meteorological Data Users Group Meeting
The Park Hotel
Charlotte, North Carolina
October 19 - October 21, 1994***

Agenda

Wednesday, October 19: The Park Hotel, Chambers Board Room

07:00 PM Reception

Thursday, October 20: The Park Hotel, Morrison Ballroom, Salon B

07:00 AM Registration and Continental Breakfast

08:00 AM Welcome and Introductions

*Nick Keener, Duke Power Co.
Tony McConnell, Duke Power Co.
Stan Marsh, Southern California Edison*

SESSION 1: NRC GUIDANCE/INTERPRETATION

08:30 AM Status Update on ANS/ANSI 2.5 Revision

Stan Marsh, Southern California Edison

09:00 AM Meteorological Aspects of Emergency Action Level Schemes: NUREG 0654 versus NUMARC-007

Brad Harvey, Yankee Atomic Electric Company

09:30 AM Open Discussion

10:00 AM Break

SESSION 2: NEW TECHNOLOGIES FOR METEOROLOGICAL MONITORING

10:30 AM Wind Tunnel Performance Study of Met One (Teledyne Geotech) Model 1585 Bivane and Model 1564B Cup Anemometer

Matthew J. Parker, Westinghouse Savannah River Company

11:00 AM A Portable Weather Monitoring System for Mobile Emergency Response Applications

David I. Katz, Climatronics Corporation

11:30 AM Open Discussion

12:00 Noon Luncheon

SESSION 3: INDUSTRY STANDARDIZATION

01:00 PM A Standard for Auditing of Meteorological Monitoring Systems

Jim Holian, Spectrum Environmental Sciences, Inc.

01:30 PM Meteorological Monitoring Design and Operations at the Savannah River Site

Matthew J. Parker, Westinghouse Savannah River Company

02:00 PM Open Discussion

02:30 PM Break

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Agenda (continued)

SESSION 4: DISPERSION MODELING/DOSE ASSESSMENT

- 03:00 PM Climatology of Quarterly Meteorological Data and Implications for Instrumentation and Dose Assessment
Doyle Pittman, Tennessee Valley Authority
- 03:30 PM Incorporating Uncertainty into Dispersion Calculations
Larry L. Gautney, Jr., Tennessee Valley Authority
- 04:00 PM Operational Mesoscale Dispersion Forecasting at the Kennedy Space Center
Walter Lyons, Forensic Meteorology Assoc.
- 04:30 PM Application of a Nested Grid Transport and Diffusion Model for Diablo Canyon
Jerry Allwine, Battelle, Pacific Northwest Laboratories
- 05:00 PM Adjournment
- 06:30 PM Dinner Social at Charlotte Motor Speedway

Friday, October 21: The Park Hotel, Morrison Ballroom - Salon B

- 07:00 AM Continental Breakfast

SESSION 5: EMERGENCY RESPONSE

- 08:00 AM Emergency Preparedness and Response: A Meteorological Perspective
Paul E. Schwartz, GPU Nuclear Corporation; Steven R. Pfaff, Kean College of New Jersey
- 08:30 AM The Role of the LLNL Atmospheric Release Advisory Capability in a FRMAC Response to a Nuclear Power Plant Incident
*T. J. Sullivan, J. S. Ellis, R. Baskett, and C. S. Foster,
Lawrence Livermore National Laboratories*
- 09:30 AM Open Discussion
- 10:00 AM Break

SESSION 6: QUALITY ASSURANCE

- 10:30 AM Using Statistical Control Charts in Support of a Meteorological Quality Assurance Program
Paul E. Schwartz, GPU Nuclear Corporation; Steven R. Pfaff, Kean College of New Jersey
- 11:00 AM Software Quality Assurance at TVA
Kenneth Wastrack, Tennessee Valley Authority
- 11:30 AM Open Discussion
- 12:00 Noon Luncheon with Business Meeting
- 01:00 PM Closing Remarks
- 02:00 PM Adjournment