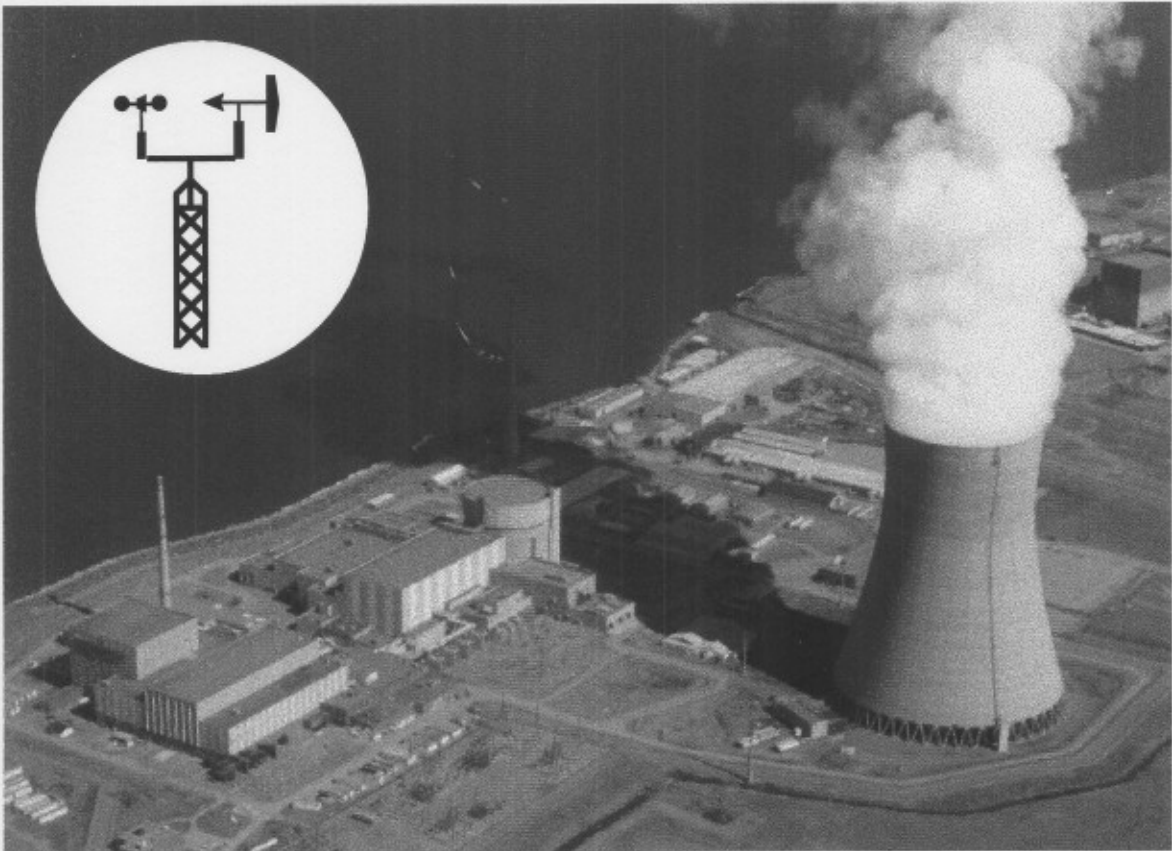


# NUMUG

1997



Nuclear Utility Meteorological  
Data Users Group Meeting

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

**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-2.5/3.11 will be held.

**Registration**

Participants can register by returning the accompanying registration form (with payment) to Indiana Michigan Power Co., One Cook Place, Bridgman, MI 49106, Att: RA Crabtree by September 30, 1997. A \$125.00 Registration fee is being charged to partially defray the costs of conducting the meeting.

**Location**

A reception will be held Wednesday evening, October 8, at the Holiday Inn. Presentations will be held Thursday, October 9, and Friday, October 10, at the Holiday Inn. There will be a luncheon Thursday only.

**Hotel Accommodations**

A block of guest rooms have been reserved at the Holiday Inn-Downtown for NUMUG meeting attendees. Please make your reservation directly with the Holiday Inn by calling (219) 232-3941 and request accommodations arranged for NUMUG guests. Reservations must be received by the hotel no later than September 30, 1997. Late requests will be accommodated on a space available basis. Holiday Inn room rates are specially discounted for NUMUG meeting attendees.

**Questions**

Questions concerning the meeting should be directed to Tom Galletta, Niagara Mohawk Power Corporation (315) 349-2715, or Marvin Hayden at Duke Energy, (704) 875-5253.

**AGENDA**  
(as of 7/22/97)

**WEDNESDAY, OCTOBER 8:**      **Holiday Inn-Downtown, South Bend, IN**  
07:00 PM    Reception

**THURSDAY, OCTOBER 9:**  
07:00 AM    Registration and Continental Breakfast

08:00 AM    Introduction and Keynote Speaker

**TOPIC 1: DEVELOPMENTS IN INDUSTRY STANDARDIZATION/NRC GUIDANCE**  
08:20 AM    ANSI/ANS-2.5/3.11 Revision Progress Report.

*Stan Marsh, Southern California Edison*

08:40 AM    What is DMCC?

*Darryl Randerson, DOE Meteorological Coordinating Council*

**TOPIC 2: NEW TECHNOLOGIES FOR METEOROLOGICAL MONITORING**

09:00 AM    Streamlining the Meteorological Monitoring Process.      *Doyle Pittman, TVA*

09:20 AM    SAMS - Surface Automated Meteorological System.  
(DOD site Salt Lake City, UT)

*Rich Woolley, APPI*

09:40 AM    Open Discussion

10:00 AM    Break

10:20 AM    Integrated Data Acquisition Systems.

*Ron Webb, Environmental Systems Corporation (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*

11:40 AM    Open Discussion

12:00 PM    LUNCH

1:00 PM    Comparison of Handar Sonic and Met One Cup and Vane System.

*Frank Gouveia, Lawrence Livermore National Laboratories*

01:20 PM    Visualizing The Effect Of The Coriolis and Frictional Forces Along a Coastline  
in Doppler Sodar Data.      *Tom Bellinger, Illinois Dept. of Nuclear Safety*

Agenda (continued)

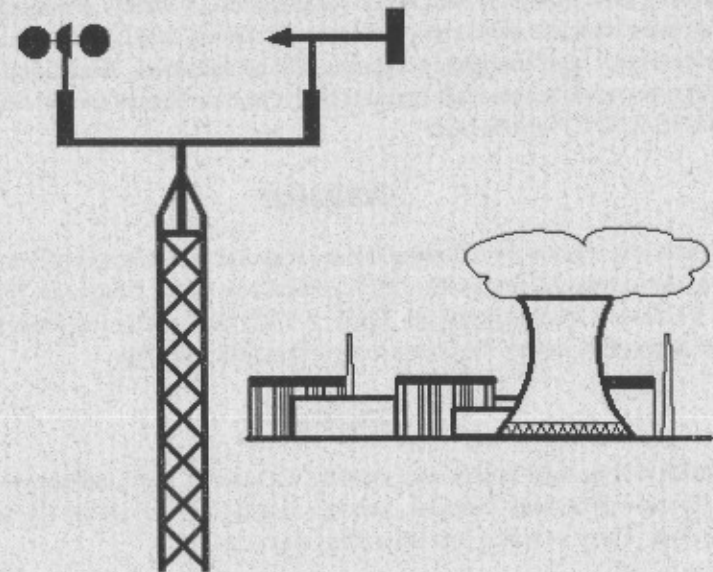
- 02:00 PM A State-of-the-Art Meteorological Monitoring Upgrade at the Perry Nuclear Power Plant. *Jim Holian, Spectrum Environmental Sciences*
- 02:20 PM Open Discussion
- 02:40 PM Break
- TOPIC 3: METEOROLOGICAL DATA DISPLAY/DISSEMINATION**
- 03:00 PM Sharing Met. Resources with the Local Community at DOE's Savannah River Site. *Charles Hunter, Westinghouse Savannah River Company*
- 03:20 PM Digital Recorders - A World Without charts. *Mark Carroll, Murray & Trettel*
- 03:40 PM NUMUG Survey *Ken Wastrack, TVA*
- 04:00 PM Business Meeting
- 04:40 PM Adjourn for the day

**FRIDAY, OCTOBER 10:**

**TOPIC 4: ATMOSPHERIC MODELING/DOSE ASSESSMENT**

- 08:00 AM Consequence Assessment Model/Meteorological Equipment/Atmospheric Project Survey. *Carl Mazzola, Stone and Webster Engineering Corp.*
- 08:20 AM Comprehensive Modeling System for Atmospheric Transport and Diffusion. *Danny Lu, Yamada Science and Art Corp. (YSA)*
- 08:40 AM An Evaluation of Current Mesoscale Modeling Capabilities. *John Zack, MESO*
- 09:00 AM Performance Comparison of PGEMS & Midas Models. *Gene Shelar, Pacific Gas and Electric*
- 09:20 AM Open Discussion
- 09:40 AM Break
- 10:00 AM Examples of High Resolution Data Produced by a 3-D Mesoscale Atmospheric Model. *Glenn Van Knowe, MESO*
- 10:20 AM RASCAL 2.0 Modeling During Stagnant Conditions. *Jerry Allwine, Allwine Environmental Services*
- 10:40 AM Open Discussion
- 11:00 AM ADJOURN the CONFERENCE (Early dismissal for Yom Kippur)

**NUCLEAR UTILITY**  
**Meteorological Data Users Group Meeting**  
**(NUMUG)**



*October 8 - 10, 1997*

*The Holiday Inn-Downtown*

*Southbend, Indiana*