

**14th NUMUG Meeting
Chicago, IL
June 27-29, 2011**

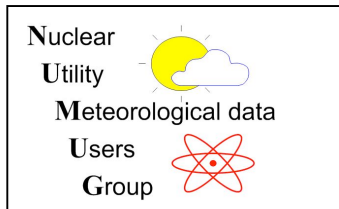
Meeting Program

Monday, June 27, 2011

| | |
|---------------|--|
| 1:00 - 4:00PM | ANS 2.15/2.16 Working Group Meeting (John Ciolek) |
| 3:00 – 5:00PM | ANSI/ANS 3.11 Working Group Meeting (Matt Parker) |
| 6:00 – 8:30PM | NUMUG Welcoming Reception (Dinner) Oak Brook Hills Marriott |

Tuesday, June 28, 2011 - Morning

| | |
|---------------------|---|
| 7:00 – 8:00 AM | Breakfast |
| 8:00 – 9:00 AM | Opening Remarks/Guest Speaker Ed McCarthy: Welcome and Introduction of Guest Speaker Guest Speaker: Ron Chrzanowski Corporate Chemistry Manager Exelon Nuclear |
| 9:00 – 10:00 AM | Fukushima (Chair: Mark Carroll) Mark Abrams Meteorologist/Technical Manager Correlating Fukushima Doses Kevin Quinlan Physical Scientist, US NRC NRC Meteorologists Role in Support of the Events in Japan during March 2011 |
| 10:00 AM – 10:15 AM | Break |



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Meeting Program

Tuesday, June 28, 2011 - Morning

10:15 AM– 11:45

Modeling – 1 (Chair: Mark Abrams)

Toree M. Cook, Kenneth G. Wastrack, Doyle E. Pittman
Tennessee Valley Authority
**Identifying Non-Linear Flow for Modeling of Routine Releases
From TVA Nuclear Facilities**

Ping Wan
Senior Principal Engineer, Bechtel Power Corporation
**The NEPA Requirements for Licensing a New Nuclear Power
Plant in the United States.**

John Ciolek
AlphaTRAC, Inc.
**Installation of the CAPARS Emergency Response Atmospheric
Modeling System for Los Alamos, New Mexico**

11:45 AM – 1:00PM

**Tuesday, June 28, 2011 - Afternoon
Lunch**

1:00PM – 2:30PM

Operating Experience (Chair: Ed McCarthy)

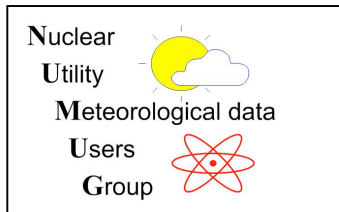
Mark Carroll
Murray and Trettel, Inc.
**Installing Meteorological Monitoring Towers at Proposed and
Existing Nuclear Facilities**

Tom Bellinger
Y-12 National Security Complex
**Evaluating the Wind Data from the Automated Surface
Observing System in Oak Ridge, Tennessee – Is KOQT The
Caldest Site in the US?**

Jim Holian
SAIC
**The Surprising Impact Stuff on the Tower has on
Meteorological Data**

2:30 PM – 3:00 PM

Break



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3:00 PM – 4:00 PM

Modeling/Regulations (Chair: Jim Holian)

Ted Messier
AREVA NP Inc.

Atmospheric Dispersion Modeling for Carbon-14 Emissions

Walter Bach and Samuel P. Williamson
Science and Technology Corporation/Federal Coordinator for
Meteorology

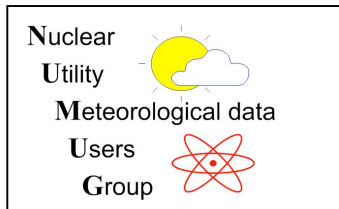
Uncertainty in Atmospheric Dispersion Modeling

4:00 PM – 4:15 PM

Day 1 Wrap-Up and Open Discussion

5:00 PM – 10:00 PM

Social Activity – Chicago Cubs vs. San Francisco Giant.
(Bus pickup at Marriott; Bus returns from Wrigley Field at
10:00PM)



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Wednesday, June 29, 2011

7:00 – 8:00 AM

Breakfast

8:00 – 8:30 AM

NUMUG Business Meeting

- a. NUMUG Business Meeting
- b. New Steering Committee Members
- c. Open Discussion

8:30 – 10:00 AM

Regulations/Quality Assurance

Brad Harvey

Senior Physical Scientist, NRC

Draft Regulatory Guide (DG) 1247: Design-Basis Hurricane and Hurricane Missiles for Nuclear Power Plants

Cyber Security Plans: Potential Impacts for Meteorology Programs

Cliff Glantz

Senior Scientist, Battelle PNL

John Ciolek

AlphaTRAK, Inc.

The ANSI/ANS 2.15 Standard for Modeling Routine Radiological Releases from Nuclear Facilities

10:00 AM – 10:15 AM

Break

10:15 – 11:15 AM

Reports to Members

Matthew Parker

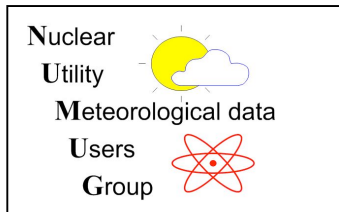
Fellow Meteorologist, SRNL

AMS Commission on the Weather and Climate Enterprise (CWCE): Activities of Interest to NUMUG

Kenneth Wastrack and John Ciolek

TVA and AlphaTRAK

Meteorological Monitoring System Surveys: Past, Present, and Future



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Meeting Program

11:00 – 11:30 AM

Next NUMUG Meeting (Fall 2012) and Closing Items

11:30 AM

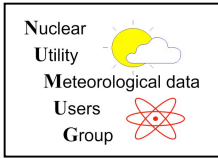
Adjournment

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Abstracts

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Abstracts



CHARTER

Nuclear Utility Meteorological Data Users Group

1) Name

- a. The name of the group is the Nuclear Utility Meteorological Data Users Group (NUMUG).

2) Mission and Objectives

- a. To provide a forum to address problems and exchange ideas for those collecting and utilizing meteorological data at nuclear facilities.

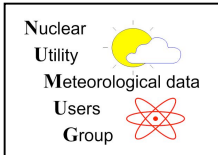
3) Membership

- a. Membership is open to any individual interested in pursuing the mission and objectives of the group. Individuals interested in membership should inform a member of the Steering Committee who will add their name to the membership roster.

4) Steering Committee

- a. The management of the group is vested in the Steering Committee. The Steering Committee shall consist of five members, with at least three members representing US electric utilities.
- b. The Chair of the Steering Committee shall be selected from, and represent a consensus vote of the Steering Committee members after each group meeting.
- c. A term on the Steering Committee is defined as the period of time between meetings. Steering Committee members should not serve more than two consecutive terms.
- d. New members of the Steering Committee are to be chosen from membership volunteers by the existing Steering Committee prior to group meetings.
- e. Responsibilities of the Steering Committee include:
 - Support the “Mission and Objectives” of NUMUG
 - Solicit industry-wide representation and participation.
 - Maintain and distribute a Membership Roster.
 - Solicit suggestions for group activities and support implementation of NUMUG activities.
 - Keep membership informed of group activities via NUMUG server, e-mail, regular mail and group meetings.
 - Plan and publicize group meetings.
 - Maintain a financial record of NUMUG, in support of its tax-exempt status.
 - Update IRS records with revisions to NUMUG’s Charter.

CHARTER



Nuclear Utility Meteorological Data Users Group

- Select a Treasurer from NUMUG membership to handle NUMUG funds, any bank account(s) and financial record keeping.

f. The Treasurer shall serve for 3 terms, where a term is defined as the period between group meetings. If the Office of Treasurer becomes vacant, the Steering Committee shall appoint a new Treasurer for a period of 3 terms.

5) Finances

- a. No dues shall be collected by the group and the group shall accumulate minimal assets. It is expected that group members and their sponsoring organizations will voluntarily contribute the time and resources required to manage group activities between group meetings.
- b. Registration fees can be charged for attendance at group meetings to offset costs associated with implementing group meetings.
- c. Vendors or utilities may provide assets to help offset costs associated with implementing group meetings. Any sponsorship may be noted in the program for the group meetings. Sponsorship does not imply any endorsement by NUMUG of sponsor's products or services.
- d. Upon dissolution of NUMUG, the remaining assets will be distributed to a charitable organization, to be selected by the Steering Committee.

6) Meetings

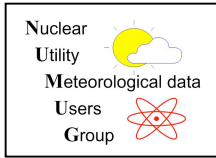
- a. Group meetings shall be held every one to two years. The location and agenda of group meetings are to be determined by the Steering Committee.

7) Amendments to the Charter

- a. Amendments to this charter can be proposed by any member in attendance at any group meeting. Amendments can be approved by a consensus vote of the members in attendance.

8) Ethics

- a. The Membership Roster and NUMUG server are not to be used for directly commercial purposes such as widespread distribution of marketing information via the Server or selling or re-distributing Membership Rosters or dissemination of political or religious opinions.



CHARTER

Nuclear Utility Meteorological Data Users Group

Steering Committee for the 14th NUMUG Meeting

Edward F. McCarthy, NUMUG
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