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MINUTES

**Nuclear Installation Safety Division
Program Committee Meeting**

**June 5, 2005
San Diego, CA**

A. Meeting Objectives

H. Massie called the meeting to order at 7:45 pm. The agenda for the meeting is provided here as Attachment 1. Attendees of the meeting are listed in Attachment 2. Massie indicated that the first objective of the meeting was to address the low paper submission for the meeting planned for Washington, D.C. in November.

B. Minutes of the Previous Meeting

Minutes of the previous meeting (November 14, 2004, Washington, D.C.) prepared by D.A. Powers were reviewed. Budnitz moved to accept the minutes and the motion passed.

C. NISD Executive Committee Update

P. Amico was unable to attend and J. Green provided a summary of the proceedings of the last meeting of the Executive Committee. Points made by Green focused on a strategic planning session the President of the ANS had with the Chairmen of the Divisions. A “facilitator” was used for this meeting. Points discussed in the strategic planning included:

- Having 1 instead of 2 meetings per year.
- There are 6866 full members of ANS. There is interest in growing the membership among students.
- Society finances are in poor shape. They are now taking 5% from the unrestricted reserve account. In response, there is interest in eliminating the Washington office which would reduce the \$500K shortfall by \$125K. Greene and Baretta were strongly opposed to this, but felt that they were alone in this. There is interest in cutting the Congressional Fellowship. This was discussed in terms of ANS involvement in policy making versus being a technical society. Public outreach may also be a target for cost cutting. There may be an increase in dues, but it will not be a large increase.
- Student membership was discussed. Following graduation, students members become

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full members, but after 3 years about 50% have dropped their memberships. The suspicion is that they are not afforded opportunities to participate in ANS activities on the National level so membership does not have great attractions to them. Invigorated local level activities might help. A graduated dues schedule has been suggested. This would increase dues from the student rate at graduation to full membership dues at age 35. Only 7% of the ANS members are under the age of 35.

- Society membership in general was discussed. There is weak participation by employees of the nuclear utilities. Of the 900 registered participants in the San Diego meeting, only 35 list nuclear utilities as employers.
- Professional Division Metrics for NISD were discussed. The metrics matrix for NISD is shown in Figure 1. Professional Development is now the only “YELLOW” metric. White metrics include:
 - Class I, Class II Topical Meetings
 - Membership trends
 - Scholarships

Green also discussed objections to the Realism Initiative. He indicated that Foulke had taken over the Public Policy Committee and was intent on pushing the Realism Initiative despite the objections to it raised by members of the NISD Executive Committee.

D. Old Business

The “Roles and Responsibilities” document put together by C. Martin with excellent comments from D. Diamond was discussed. It was concluded that the Roles and Responsibilities document was consistent with the bylaws. Budnitz moved that the Roles and Responsibilities document should “... become effective if no object.” Hansen seconded the motion and it was decided that members of the Program Committee would be given until the end of July to comment again on the draft version of the Roles and Responsibilities document. The Secretary was charged with making this known to all members of the Program Committee. Martin would be given discretion in handling any comments that were made. Once Martin was satisfied, the Roles and Responsibilities document would be made effective.

E. Committee Reports

1. San Diego Paper Review

Diamond, Martin and Schultz indicated that the paper review session held at ANS headquarters in February went smoothly. There had been 34 papers submitted. Four of these were withdrawn.

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The large number of papers seemed to be indicative of well selected topics for the meeting.

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Division Meetings	Division Governance	Division Contributions to Society	Division Services to Membership
<p align="center">National Meeting Participation</p> <p>2004:4 sessions-2 panels/4 sessions-2 panels</p>	<p align="center">Succession Planning</p> <p align="center">2004 Submitted</p>	<p align="center">ANS Position Statements</p> <p>Risk Informed (current) Reactor Safety(update needed) Nuclear Facility Safety(current)</p>	<p align="center">Professional Development</p> <p>NISD had no professional development activities in 2003</p>
<p align="center">Class I Class II Topicals</p> <p>America's Nuclear Energy Symp. Oct 2004 - Class II Cancellation of Advanced Nuclear Installation Safety Oct 2003 25% decrease in base calendar mtg PSA-02 (284/200)</p>	<p align="center">Membership Trends</p> <p align="center">1655/1637 members -1.1% change in 2004</p>	<p align="center">Participation with Outside Professional Societies</p> <p align="center">Active participation with EFCOG</p>	<p align="center">Scholarships</p> <p>DiSalvo Scholarship - NOT fully funded Saul Levine - NOT fully funded</p>
<p align="center">Class III Topicals</p> <p>NISD BE-2004 Nov Embedded Topical June 2001 Topical - EFCOG mtg</p>	<p align="center">Communications</p> <p align="center">2 newsletters in 2004 website updated in 2004</p>	<p align="center">Society Leadership</p> <p>Both Mtgs: 75% Exec. Comm, PDC & NPC</p>	<p align="center">Peer Recognition/Awards</p> <p>Tommy Thompson (annual) and George Laurence Award</p>

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	Division Planning 2004-2005 strategic Plan submitted to PDC Chair	Non-meeting Publications Standards: Int'l Nuclear Power Reactor Safety	Student Support 2004: National Mtg. And 2004 Student Conference
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2. National Program Committee Report

The national program committee meeting was attended by H. Massie, D. Diamond, S. Schultz, C. Martin and K. O’Kula. Space allocation for sessions at the Winter meeting in Washington, D.C. is restricted. Also being discussed is the cost of providing rooms for separate meetings of the Program Committee and the Executive Committee. The situation is still fluid and no decisions have yet been made.

3. Thermal-Hydraulics Division Liaison Report

U. Shoop reported that the Thermal-Hydraulics Division will not support a “Young Members Group”.

4. Operations and Power Division Report

J. Green discussed utility participation in ANS activities. He noted that the featured meeting for the utilities is that held in Amelia Island. Workshops in areas such as the Alternative Source Term, Control Room Habitability, or Containment Sump Blockage might attract utility participants. A workshop on power uprates might be of interest. There is, however, the issue of having to pay for the ANS meeting just to participate in a workshop. In the discussions, it was emphasized that some sort of a product, be it a report or a set of recommendations, had to come from workshops to attract utility participation.

F. Special Sessions Report

1. Annual Meeting San Diego, CA

The NISD met its paper quota for the meeting.

2. Winter Meeting in Washington, D.C.

There are 3 general sessions and 11 special sessions planned for the Winter meeting in Washington, D.C. Unfortunately, very few papers had been submitted. Steve Shephard made an impassioned plea for solid technical papers that convey the theme of the meeting. He indicated that they could not delay the paper review to be held in August and that there was a real danger of having to cancel the meeting.

3. Annual Meeting in Reno, Nevada

Mike Goff, Technical Program Chairman for the National Meeting to be held in Reno, Nevada in

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June, 2006, made a presentation to the NISD Program Committee. Goff indicated that the meeting theme would be “this is a great time for the nuclear industry”. He elaborated that things are most positive for the industry. Utilities are making commitments to nuclear technology. Student enrollments in Nuclear Engineering are up. Goff will try to make the meeting a showcase for Battelle’s Idaho National Laboratory. Budnitz asked about the theme and if anyone does anything differently because of this theme. Wall noted that this enthusiasm for nuclear technology will evaporate if there is one accident, even if this accident is not in this country. He went on to emphasize the importance of the Nuclear Installation Safety Division.

The meeting in Reno is being delayed relative to usual Annual meetings so that it is possible for families to attend as part of a vacation once schools have ended for summer.

Sessions being planned by NISD for the Reno meeting include:

- Mathematical fire models
- integrating standards in pra
- alternative source term
- 10 CFR 50.46
- National source tracking
- reactor oversight program
- BEIR VIII
- pressurized thermal shock
- power uprates
- yucca mtn. Licensing
- fuel cladding embrittlement
- AFCI safety considerations
- Brown’s Ferry restart

G. Topical Meetings Report

1. Best-Estimate 2004 Topical (Embedded at the 2004 Winter meeting)

Gary Wilson has prepared a newsletter input on the generally successful outcome of the BE2004 meeting. He noted that non-US participants made important contributions to the meeting. This may reflect a lessened interest in best-estimate methods in the USA

2. Topical Meeting on Operational Nuclear Facility Safety (Embedded at the Winter meeting)

The 2004 Operational Nuclear Facility Safety embedded topical meeting was a re-engineered version of the Operating Reactor Safety triennial meeting to include non-reactor nuclear installations and covering both domestic and international installation operating experience. About 40 papers were contributed to the meeting and made up nine peer-reviewed paper sessions. There were four panel sessions and a plenary session.

3. Probabilistic Safety Assessment 2005 (San Francisco, CA, September 2005)

The PSA’05 meeting to be held in San Francisco is emerging as an unqualified success - perhaps

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even too successful since the number of participants may exceed even contingency planning. About 250 papers were submitted and 225 of these from 170 primary authors were accepted for presentation. C. Starr will present a Plenary Session entitled, "Has the LNT Outlived Its Usefulness?" (LNT = linear no threshold model for the radiation dose - consequence relationship).

An issue that has arisen is the handling of papers dealing with the vulnerabilities of nuclear installations to terrorist attacks. The security issues associated with the public presentation of such papers have been raised. I. Wall indicated that 12 such papers had been submitted and 10 had been accepted for presentation at the meeting. He indicated that the Program Committee was going to heroic lengths to avoid controversy in this area. Wall was asked to prepare a write up on how these issues were being handled.

Wall was also asked to prepare a summary for PSA'05 for presentation at the Winter meeting. Budnitz suggested that there be a session at the Winter meeting with the PSA'05 Session chairmen to summarize the major results of the topical meeting.

In addition to laying work on Wall, members of the Program Committee roundly congratulated him for his heroic work organizing PSA'05.

4. Topical Meeting Strategy for 2006

The topical meeting strategy for the future was discussed. The potential for a topical meeting on "Risk Management" was suggested without great elaboration. Advanced reactors had been a recurring topical meeting but doubt was expressed about the viability of such a topical meeting at this time. Though design work is being sponsored by the Department of Energy, there may not be enough safety work underway to attract sufficient papers.

K. O'Kula suggested that there might be interest in a topical meeting on the use of nuclear power reactors in the production of hydrogen as a chemical reactant or even as a transportation fuel. He noted that there may be issues of hydrogen production management and control. O'Kula suggested four broad areas to address:

- Nuclear reactor production of hydrogen
- waste drum and handling issues
- waste processing control of hydrogen
- tritium handling and control

Such a topical would intersect with the interests of other divisions or other societies. Note was taken of a recent successful meeting on hydrogen production held by the American Institute of Chemical Engineers.

Some, however, were skeptical that there would be enough new material to make such a topical on the nuclear production of hydrogen into a stand-alone topical meeting. It was suggested that a

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first meeting be embedded with a National meeting. Diamond moved and Budnitz seconded that an embedded topical on nuclear production of hydrogen be developed. The motion passed. Diamond and Hansen will make up the Oversight Committee for the proposed topical meeting.

H. New Business

1. Program Committee Membership

John Lehner was welcomed as a new member of the Program Committee. Ian Wall was nominated as a new member.

2. Officers

D. Diamond will assume the role of Program Committee Chairman. D. Powers will become Vice-chairman. Raymond Gallucci was elected secretary.

The meeting was adjourned at 11:37 pm.

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Attachment 1. Agenda for the June 5, 2005 Meeting of the NISD Program Committee
San Diego, CA

- A. Meeting Objectives Herb Massie
- B. Read and Approve Minutes of Winter Meeting Dana Powers
- C. NISD Executive Committee Update Paul Amico
(J. Green substituted)
- D. Old Business Chip Martin
 - 1. NISD Program Committee Roles and Responsibilities
- E. Committee Reports
 - 1. San Diego Paper Review David Diamond
 - 2. National Program Committee Report David Diamond
 - 3. Thermal-Hydraulics Division Liaison Report Undine Schoop
 - 4. Operations and Power Division Report Joe Green
- F. Special Sessions Report Steve Schultz
 - 1. San Diego, CA
 - 2. Washington, D.C. (Including paper review)
 - 3. Reno, NV (including the development of new sessions)
- G. Topical Meetings Report Kevin O’Kula
 - 1. BE-2004 Topical (Embedded - Winter 2004 Meeting) Kevin O’Kula
(Gary Wilson)
 - 2. Topical Meeting on Operational Nuclear Facility Safety Kevin O’Kula
(Embedded - Winter 2004 Meeting)
 - 3. Probabilistic Safety Assessment 2005 (San Francisco, CA, September 2005)
Ian Wall
 - 4. Topic Meeting Strategy for 2006 Kevin O’Kula
 - 5. Oversight subcommittees Herb Massie
- H. New Business Herb Massie
 - 1. Extension of Members’ Terms/ New Members
 - 2. Election of New Secretary
 - 3. Change of Officers

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Attachment 2. List of Attendees - NISD Program Committee Meeting June 5, 2005

Name	e-mail	phone
Anthony Baratta	ajb5@nrc.gov	301-415-7468
Robert Budnitz	budnitz1@LLNL.gov	925-423-4648
David Diamond	diamond@bnl.gov	631-344-2604
Jan B. VanErp	vanerp@aol.com	630-325-7938
Mike Goff	mike.goff@inl.gov	
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