

## Nuclear Facilities Standards Committee Executive Committee (NFSC ExC) Minutes • 27 March 2002 Teleconference

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### Members Present:

Don Spellman, NFSC Chair, Oak Ridge National Laboratory  
Thomas Luke, NFSC Vice-Chair, Exelon Cantara  
Suriya Ahmad, NFSC Administrator, American Nuclear Society  
Mike Wright, NFSC ANS-21 SC Chair, Grand Gulf Nuclear Station  
Gon E. Mawell, ANS-22 Alternate, GE Nuclear  
Jean Savy, NFSC ANS-25 SC Chair, Lawrence Livermore National Laboratory  
Andrew Wehrenberg, NFSC ANS-24 SC Chair, Southern Company Services  
Charles Brown, NFSC ANS-26 SC Chair, Southern Nuclear Operating Company  
Joseph Cohen, NFSC ANS-27 SC Chair, Individual  
John Dewes, NFSC ANS-27 SC Chair alternate, Westinghouse Savannah River Co.  
Mike Ruby, NFSC member, Rochester Gas & Electric Company

### Members Absent:

Donald Eggett, NFSC ANS-23 SC Chair, AES Corporation  
Rick Hill, NFSC ANS-22 SC Chair, GE Nuclear  
Prasad Kadambi, NFSC member, US Nuclear Regulatory Commission  
James F. Mallay, NFSC member, Framatome ANP  
George Wagner, NFSC member, Individual

### Welcome and Roll Call

D. Spellman called the meeting to order and roll call was taken.

### Agenda and Minutes Approved

The agenda for this meeting was approved without dissent. The NFSC ExC minutes of the October 2001 meeting are posted on the NFSC website. Approval for the October minutes will have to be granted at the June 2002 ANS semi-annual meeting in Hollywood, FL.

### 1. SUBCOMMITTEE CHAIRS STATUS REPORTS

The NFSC ExC subcommittee reports focused on three main items: problems areas that standards are facing and that require attention; working group members and the type of people needed to fulfill these groups; and, standards under development that should be discussed at the June 2002 NFSC meeting.

### ANS-21, Nuclear Facility Design Criteria & Operations • Mike Wright

Juan Carbajo, of ORNL, has accepted the invitation to chair ANS-4.5, *Criteria for Accident Monitoring Functions in Light-Water-Cooled Reactors* (this standard was administratively withdrawn by ANSI in July 2001).

**Action Item: 03/02-01: M. Wright will work with Juan Carbajo to complete a PINS form to revise ANS-4.5.**

ANS-56.11, *Design Criteria for Protection Against the Effects of Compartment Flooding in LWR Plants* requires a working group chair. A PINS form is needed to revise the standard.

**Action Item: 03/02-2: M. Wright will submit to ANS headquarters and to the SSC a PINS form for revising ANS-56.11 by June 2002.**

M. Wright suggested Michael Pop as a potential candidate. ANS-58.9, *Single Failure Criteria for LWR Safety-Related Fluid Systems*, requires working group member to revise this standard. The types of members needed to carry out the revision are experts in licensing and accident analysis. ANS-58.11, *Design Criteria for Safe Shutdown Following Selected Design Basis Events in Light Water Reactors*, is presently at ballot for reaffirmation. One of the comments received expressed concern that the standard does not address the new risk informed environment that now exists. To address this concern, an addition to the foreword has been proposed. This added foreword will be discussed by the SSC during the June 2002 meeting. The SSC will decide whether or not to maintain the foreword as a generic statement to include in future reaffirmed standards. Despite the reaffirmation of ANS-58.11, the standard still requires revision. More working group members are needed revise the standard; unfortunately, Westinghouse stated that it would no longer support a chair for the standard.

ANS-56.8, *Containment System Leakage Testing Requirements*, was at ballot for revision. James Glover, the working group chair, is incorporating comments received into the standard's final draft.

ANS-2.26, *Classification of Nuclear Material Facilities*, is a new standard that will remain under subcommittee ANS-21, not under subcommittee ANS-25. Work is in progress.

ANS-2.23, *Nuclear Plant Response to an Earthquake* is a new standard that has had its unresolved comments resolved, it has obtained the approval of the SSC. The standard is under ANSI's review for final approval as an American National Standard.

On a final note, the ANS-21 subcommittee is expected to meet around the third quarter of this year.

### ANS-22, Nuclear Facility System Level Design Standards • Gon Maxwell

Rick Hill was absent from this meeting, but Gon Maxwell provided his report. G. Maxwell will no longer serve as R. Hill's alternate for subcommittee ANS-22; Maxwell's new work position will conflict with his ANS duties.

A working group chair for ANS-51.1, *Nuclear Safety Criteria for the Design of Stationary Pressurized Water Reactor Plants*, has not been confirmed although Robert Kalantri might be a possible chair. A PINS form for revising ANS-52.1, *Nuclear Safety Criteria for the Design of Stationary Boiling Water Reactor Plants*, is still needed and will be expected at the June 2002 meeting.

ANS-59.53, ANS-59.54, and ANS-59.55 were new projects about diesel generators. The projects' charters were approved in 1993, but they never became ANS standards because there were no working groups. It has been recommended that these project charters be withdrawn.

**Action Item 03/02-3: The NFSC will vote whether or not to withdraw the project charters for ANS-59.53, ANS-59.54, and ANS-59.55 during the NFSC June 2002 meeting.**

ANS-51.10, *Auxiliary Feedwater System for Pressurized Water Reactors*, will be sent to ANSI for final approval as soon as comments have been resolved. This standard is in jeopardy of being classified as New instead of Reaffirmed by ANSI because the standard was deemed historical 1991. Considering that the ballot for reaffirming ANS-51.10 began before the standard expired, it is hopeful that ANSI will declare the standard reaffirmed.

ANS-59.51, *Fuel Oil Systems for Emergency Diesel Generators*, is due for revision in 2002. The former committee for this standard was polled and many are retired and not available to revise the standard. A new working group chair and committee are needed by June 2002; otherwise, ANS-22 will recommend that the standard be withdrawn.

**Action Item 03/02-4: ANS-59.51 will be on the NFSC agenda for the June 2002 meeting.**

### ANS-23, Decommissioning & Site Remediation • Don Eggett

D. Eggett was ill and therefore, unable to attend the meeting. The status of ANS-3.12.1, ANS-3.12.2, and ANS-3.12.3 are the same as was discussed during the NFSC meeting in November 2001. For more information, refer to the subcommittee ANS-23 handout.

### **ANS-24, Analysis • Andy Wehrenberg**

S. Ahmad informed A. Wehrenberg that ANS-5.1, *Decay Heat Power in Light Water Reactors*, is no longer under his subcommittee. This standard was transferred to N17's ANS-19 subcommittee a couple of years ago and it was never officially declared until now. N17 is currently revising ANS-5.1.

Standards that require working group chairs and members are ANS-56.4, *Pressure and Temperature Transient Analysis for light Water Reactor Containments*, ANS-56.10, *Subcompartment Pressure and Temperature Transient Analysis in LWRs*, and ANS-58.2, *Design Basis for Protection of Light Water Nuclear Power Plants Against the Effects of Postulated Pipe Rupture*. James Gilmer of Bechtel has agreed to chair ANS-56.10 and ANS-58.2. A. Wehrenberg and J. Gilmer will prepare a PINS form for both standards by the June meeting.

**Action Item: 03/02-5: A. Wehrenberg will prepare, by the NFSC June meeting, a PINS form for ANS-56.10 and ANS-58.2.**

ANS-56.4 and ANS-56.10 require members who are analytical with containment analysis experience. Even though ANS-56.4 needs attention, the subcommittee will focus on ANS-56.10 and ANS-58.2 first while a chair and working group for ANS-56.4 is confirmed. To gain more volunteers for ANS-24, it has been suggested that A. Wehrenberg talk to the Thermal Hydraulics Division Committee to spark people's interest in the standards.

**Action Item 03/02-6: A. Wehrenberg will approach the Math & Computation Division Committee in seek of potential standards volunteers for ANS-56.4, ANS-56.10, and ANS-58.2.**

### **ANS-25, Siting • Jean Savy**

ANS-2.11, *Guidelines for Evaluating Site-Related Geotechnical Parameters at Nuclear Power Sites*, was withdrawn in 2000. J. Savy is working with potential chair, C. Costantino to develop the PINS form for this standard.

The PINS for ANS-2.3 will be approved during the June meeting. The draft for ANS-2.27, *Evaluation Criteria for Characterizing Natural Phenomena at Nuclear Material Facilities*, is nearly ready but it will be placed on hold until the draft of ANS-2.26, *Classification of Nuclear Material Facilities*, is ready for comparison. ANS-2.29 needs to replace the working group chair.

### **ANS-26, Emergency Planning • Charles Brown**

The working group for ANS-3.8.5, *Criteria for Emergency Radiological Field Monitoring, Sampling and Analysis*, is in the midst of resolving comments. This standard was at ballot for reaffirmation until 01 March 2002.

ANS-3.7.1, *Facilities and Medical Care for On-Site Nuclear Power Plant Radiological Emergencies*, is due for maintenance in December 2003. This standard may be activated for either reaffirmation or revision.

C. Brown discussed the NRC effort to review security guidelines for nuclear facilities. NEI is trying to issue guidelines and ANS has not taken a position regarding standards for facility security. NRC will probably not issue any guidance before the end of August 2002.

### **ANS-27, Fuel Cycle & Waste Management • Joe Cohen & John Dewes**

J. Cohen began his report by identifying problems with ANS-27.X, *Criteria for Determination of Incidental Waste*. ANS-27.X does not have a working group therefore, this standard will have a rocky future. Cohen said that he needs more people from Steve Stamm's organization (Stone & Webster) to form the working group. There might be a new chair, however it has not been confirmed. New members might be found from the new volunteer forms that ANS headquarters has received. More on this standard will be reported in June 2002.

In regards to ANS-2.19, *Guidelines for Establishing Site-Related Parameters for Site Selection and Design of an Independent Spent Fuel Storage Installation*, Cohen and Dewes, spoke to ASTM Standards Administrator, Jeff Adkins shortly before the teleconference. Their meeting focused on dry and wet fuel storage standards. ASTM has two working groups (C26 and E 10) that work on this area. To prevent overlapping of standards from other standards development organizations, Cohen and Dewes believe that ANS and ASTM should work together to eliminate this possibility. An outcome of the teleconference with ASTM is that ANS gained permission to review C26 and E10 standards.

ANS-57.2, *Design Requirements for Light Water Reactor Spent Fuel Facilities at Nuclear Power Plants*, and ANS-57.3, *Design Requirements for New Fuel Storage Facilities at LWR Plants* are two standards up for "New" status as American National Standards. The comments received during the ballot periods are not continuous and it is expected that they should be resolved quickly and easily. It is recommended that Donald Gardner, working group chair of both standards, attend the NFSC June meeting. Presently, Gardner is on an extended assignment overseas therefore, his alternate, Edward Taylor, may attend on Gardner's behalf.

Other standards in waiting are ANS-40.35 and ANS-40.37. Cohen will talk to ANS-40.35 working group chair, D. Ferrigno, to complete the resolution of comments. ANS-40.37 is dormant and requires a new working group.

## **2. STATUS OF ASSIGNMENT OF NEW VOLUNTEERS**

Numerous volunteer forms have been turned over to NFSC. Overall, nearly 30 volunteers have joined the ANS Standards Committee; of this 14 have been assigned to the NFSC. All candidates have been contacted and assigned to an appropriate working group. Subcommittee chairs and ANS headquarters are working together to gain more membership.

## **3. NOMINATIONS FOR MEMBERSHIP ON NFSC**

D. Spellman asked the subcommittee chairs to contribute names of working group chairs who might be suitable to sit on the NFSC committee. This will be discussed further at the NFSC meeting this June.

**Action Item: 03/02-7: NFSC subcommittee chairs will propose names, by June 2002, of working group chairs who could serve on the NFSC committee.**

## **4. NFSC POLICY REVIEW**

George Wagner was unavailable to present this report.

## **5. PERFORMANCE-BASED STANDARDS SUBCOMMITTEE REPORT**

P. Kadambi was unavailable to present this report.

## **6. REVIEW OF EXECUTIVE COMMITTEE ACTION ITEMS**

S. Ahmad updated some of the action items in preparation for the meeting. Updated action items after this teleconference can be found on the standards website.

## **7. STATUS OF ANS WEB PAGE**

Two additions have been posted onto the NFSC website:

The ANS Standard Development & Maintenance Toolkit

(<http://www.ans.org/standards/committees/nfsc/toolkit/>) and the

Glossary Review (<http://www.ans.org/standards/committee/nfsc/glossary.html>).

The Toolkit provides information to working groups guidance on the development of standards. The following documents include the ANS NFSC Policies, Glossary, Project Charter Instructions and Project Charter form, Ballot and Comment forms. The Glossary Review is under a security page that allows NFSC members to critique and offers suggestions to the draft revision of the NFSC Glossary. The course of action to revise this document is to have the NFSC critique the material first. Once the NFSC has finished its revision, consensus committees, N16, N17 and RISC, will conduct its own revisions.

NFSC ExC March 2002 Minutes submitted by,  
Suriya Ahmad, NFSC ExC Secretary, ANS Standards Administrator