

**Nuclear Facilities Standards Committee (NFSC) Minutes
10 June 2002 • Hollywood, Florida**

Members Present:

Don Spellman, NFSC Chair, Oak Ridge National Laboratory
Suriya Ahmad, NFSC Secretary, American Nuclear Society
Rick Hill, GE Nuclear Energy
Donald Eggett, NFSC ANS-23 SC Chair, AES Corporation
Andrew Wehrenberg, NFSC ANS-24 SC Chair, Southern Company Services
Jean Savy, NFSC ANS-25 SC Chair, Lawrence Livermore National Laboratory
Joseph Cohen, NFSC ANS-27 SC Chair, Individual
John Dewes, NFSC ANS-27 SC Chair alternate, Westinghouse Savannah River Co.
R.H. Bryan, Jr., Tennessee Valley Authority
Harish Chander, US Department of Energy
Michael T. Cross, Westinghouse Electric
N. Prasad Kadambi, US Nuclear Regulatory Commission
Jesse Love, Bechtel Power Corporation
James F. Mallay, Framatome ANP
Frederic Pineau, Knolls Atomic Power Laboratory
Mike Ruby, Rochester Gas & Electric Company
James Saldarini, Foster Wheeler Environment Corp.
Steven L. Stamm, Stone & Webster, Inc.
C.D. Thomas, Jr., Individual

Members Absent:

Charles Brown, NFSC ANS-26 SC Chair, Southern Nuclear Operating Company
Thomas Luke, NFSC Vice-Chair, Exelon Cantara
Robert McFetridge, Westinghouse Electric Corporation
Charles H. Moseley, Jr., BWXT-Y12
William Prillaman, Framatome ANP
William B. Reuland, Individual
Robert E. Scott, Scott Enterprises
John D. Stevenson, J.D. Stevenson Consultants
George Wagner, Individual
Mike Wright, Grand Gulf Nuclear Station

Welcome and Roll Call

D. Spellman called the meeting to order at 10:30 AM, and roll call was taken. Special guest and prospective new NFSC member, Frederic Pineau of Knolls Atomic Power Laboratory was welcomed to the meeting. A quorum was present.

Approval of Minutes

The minutes of the NFSC meeting in November 2001 and of the NFSC ExC meeting in March 2002 were approved without dissent.

MANAGEMENT REPORTS

A. Executive Committee Report – D. Spellman

The ExC teleconferences have been going extremely well. The teleconferences have allowed the subcommittee chairs to focus more on the status of current standards and standards projects. These calls have also allowed more time for other agenda items to be addressed during the NFSC physical meeting. Subcommittee reports for this meeting were kept short to allot more time for Old Business and New Business items.

The NFSC Chair has appointed two new subcommittee chairs. Mike Ruby will replace Mike Wright as chair of ANS-21, and John Dewes will replace Joe Cohen as chair of ANS-27.

B. Chair's Report – D. Spellman

A document representing the Balance of Interest for the NFSC and the NFSC roster was distributed (appendix A, attachment, 1). J. Mallay stated that the SSC intends to develop a standard breakdown of the balance of interest across the four consensus committees. This would be discussed by the SSC at their next meeting. This led to the following action item:

Action Item 06/02-01: Jim Mallay will provide NFSC with an SSC approved guidance document for how balance of interest should be counted within the ANS standards committees. Due Date: NFSC meeting June 2003. (Or in time for use in the CY 2003 report to ANS BOD.)

While the Balance of Interest for the NFSC is in good shape, the need for more volunteers is still great, especially from utilities. The launch of the standards brochure has so far brought 18 new members to the NFSC. Input was requested from the subcommittee chairs to identify what engineering disciplines are needed for their working groups. This will be discussed at the next ExC teleconference. The need for appropriate volunteers led to the following action item:

Action Item 06/02-02: D. Spellman will create a needs and expectations list for getting the appropriate type of members for the NFSC. Due Date: December 2002

C. Secretary's Report– S. Ahmad

Two additions to the NFSC website were made in March 2002. These additions are the Standards Toolkit, and the Glossary review page. The Standards Toolkit contains the NFSC policies, the Glossary, PINS (Project Initiation Notification Systems form), and ballot and

comment forms. This page also includes the policies and procedures of ANSI and the ANS Standards Committee. The Glossary Review page is a message board that includes the working revision of the Glossary. Although the document is still a working draft, a security page under the NFSC website was created so that members could critique the document by posting comments and suggested solutions. Other features of the NFSC website such as the online calendar, the "What's New" section and the "Get Involved" section are updated regularly.

Action Item 06/02-03: All NFSC members were asked to review the website and provide comments for improvements to Suriya. Due Date: November 2002.

Action Item 06/02-04: – All NFSC members were asked to review the draft Glossary and provide comments to D. Spellman, Bob Scott, and S. Ahmad. Due Date: December 2002.

**C. Standards Coordinator – S. Ahmad for T. Luke
(Appendix A, attachments 2, 3, 4, 5, 6, 7)**

Reports distributed for discussion were the Delinquent Standards report, Status of all NFSC Standards, NFSC Staff Report, Projects at Ballot report, the sales report, and the Standards Organizational chart.

To revise ANS-58.14-1993, a working group chair and more working group members are required; otherwise, it will be recommended for administrative withdrawal by ANS. ANS-51.10-1991 is currently at ballot for reaffirmation. Although ANS-51.10 is historical the standard will continue the ballot and ANSI's approval process. R. Hill made a special presentation about revising ANS-51.10 (Appendix A, attachment 8). ANS-52.1-1983; R1988, is a historical standard, which was withdrawn by ANSI in June 2001. The ANS-22 subcommittee has a working group established to revise this standard. R. Hill has forwarded the proposed project charter to S. Ahmad to conduct a PINS vote.

ANS-57.2 and ANS-57.3 may be considered for wet and dry storage security. D. Spellman will discuss this with Don Gardner, the working group chair of these standards.

Action Item 06/02-05: Rick Hill will provide a recommendation for an update to ANSI/ANS 58.14. Due Date: November 2002 NFSC meeting.

Action Item 6/02-06: S. Ahmad will conduct a PINS vote to revise ANS-52.1.
Due Date: October 2002.

Action Item 06/02-07: Don Spellman will contact Don Gardner and discuss applicability of security issue to standards ANS 57.2 and 57.3.

E. Action Items updates from past meetings– S. Ahmad

Action items from this meeting have been updated (Appendix A, attachment 9). Status updates on older action items are as follows:

Action Item 11/01-01: The NFSC should consider the Gas-Cooled Reactor area and generate interest, including finding a suitable NRC representative to participate on this potential committee. Don Spellman will continue to track this issue and make a recommendation at the ANS summer meeting.

Closed. N.P. Kadambi recommended a couple of NRC names to D. Spellman regarding this issue.

Action Item 11/01-02: *This action item was modified to the following:* Look into the EPRI information that was passed from W. Reuland, for use in decisions for future standards and make a report by August/September 2002. (This was changed to AI 06/02-08).

Action Item 11/01-10: Talk to J. Gilmer, M. Massoud, and M. Mayer about sending in their volunteer forms to ANS Headquarters and confirming their commitment to chair working groups.

Closed. J. Gilmer is chair of ANS-58.2. M. Massoud and M. Mayer have declined the responsibility and are not involved in standards.

Action Item 11/01-12: Submit PINS forms for revising ANS-2.8, ANS-2.9, and ANS-2.17.

Open. These standards require working group chairs and members.

Action Item 11/01-17: Have working group chair (ANS-40.37), R. Rainisch, submit his volunteer form to ANS headquarters.

Open. This standard also needs working group members.

Action Item 06/01-13: Send proposed PINS form to ANS Headquarters for the revisions of ANS-56.4, ANS-56.10 and ANS-58.2.

Open. The PINS for ANS-58.2 will be sent to ANS HQ before November 2002 meeting. PINS forms for ANS-56.4 and ANS-56.10 have not been sent in because there are no working groups for these.

LIAISON REPORTS

**A. ASME NQA Liaison Report – C. H. Moseley
(Appendix B, attachment 1)**

The ASME NQA Committee met in Chicago this April. The meeting focused on the interest in pursuing the NRC to endorse the 2000 version of the standard. The NRC has not made progress to endorse any revision since the joint meeting between NRC and ASME NQA in 1999.

**D. IEEE NPEC – Don Spellman
(Appendix B, attachment 2)**

ANS-4.5, *Criteria for Accident Monitoring Functions in Light-Water-Cooled Reactors*, will become, again, as IEEE 497, *Standard for Accident Monitoring Instrumentation for Nuclear Power Generating Stations*. ANS-4.3.2-1980; R1990 was a joint effort with IEEE. While NUPPSO reaffirmed the standard in 1990, IEEE was revising it. The standard then became known as IEEE-7-4.3.2-1993, *Standard Criteria for Digital Computers in Safety Systems for Nuclear Power Generating Stations*. More of this report can be seen in the appendix.

E. ANSI – Suriya Ahmad

The American National Standards Institute (ANSI) updated its procedures in January 2002. One revision regards Section 1.2.8-*Consideration of View and Objections* of the project initiation (PINS) stage. The section now states that if a standards development organization (SDO) receives a timely written comment asserting that a proposed standard duplicates or conflicts with an existing American National Standard, representatives of the relevant stakeholder groups must deliberate within 90 days from the comment deadline. The deliberation shall be organized by the developer and the commenter and shall be concluded before the developer may submit a draft standard for public review. In order for this to happen, the comment must be received within 45 days of the project charter's announcement in the ANSI's *Standardization News*.

ANSI has also revised section 1.3, *Criteria for Approval and Withdrawal of American National Standards*, to state that SDO's need not consider negative votes accompanied by comments not related to the proposed standard; nor need they consider negative votes submitted without comments. Also, this section no longer states that attempts to resolve issues from negative votes with comments are required to be provided to the consensus body for the opportunity to respond, or to change the vote.

SUBCOMMITTEE REPORTS

**ANS-21: Nuclear Power Plant Design Criteria & Operations – Mike Ruby
(Appendix C, attachment 1)**

The new proposed standard, ANS-2.23, *Nuclear Plant Response to an Earthquake*, was approved by ANSI in May 2002. ANS-2.2 and ANS-2.10 are both new proposed standards and they are ready for SSC letter ballot before gaining ANSI's approval. ANS-2.10 might have some substantive changes, but this will be determined after the meeting. ANS-58.9, *Single Failure Criteria for Light Water Reactor Safety-Related Fluid Systems*, and ANS-58.11, *Design Criteria for Safe Shutdown Following Selected Design Basis Events in Light Water Reactors* are at ballot for reaffirmation. An additional statement to the existing foreword of both standards has been proposed and will be discuss for approval by the NFSC later on in the meeting.

The NFSC has agreed to transfer standard ANS-56.11, *Design Criteria for Protection Against the Effects of Compartment Flooding in LWR Plants*, to the ANS-24 subcommittee. This

standard fits in well with the rest of the flooding analysis standards held by the ANS-24 subcommittee.

**ANS-22: Nuclear Power System Level Design –Rick Hill
(Appendix C, attachment 8)**

The negative ballot for ANS-51.10-1991, *Auxiliary Feedwater Criteria for the Design of Stationary Pressurized Water Reactor Plants*, has been resolved. This standard is historical and if continued to obtain ANSI approval it will be classified as a new standard instead of reaffirmed. The NFSC understands this and the committee decided to proceed with the standard. R. Hill presented a document, identifying the revisions needed for the standard (see Appendix A, attachment 7). One question arose from page 3 of the document, which was, "Is it appropriate to reassemble the standards to include the EPRI reports?" A disadvantage to including EPRI reports is that purchasing them can be quite expensive, after committing to the organization's prerequisite of becoming an EPRI member. It might be best to reference the EPRI documents and mention in either the foreword or in the reference section of ANS standards, how to obtain copies of EPRI documents without being an EPRI member. This issue volunteered W. Reuland to enact the following action item:

Action Item 06/02-08: W. Reuland will find out how users of ANS standards could obtain copies of EPRI reports without becoming an EPRI member. (Action Item modified from AI 11/02-02). Due Date: August/September 2002.

Ralph Surman, chair of ANS-51.10, has not received much support from his management; therefore, he will no longer chair this standard. A new working group has been established and the members are David W. Murphy (chair), Frederick T. Daniels, and Randy Cheatwood.

ANS-59.3 is a ballot for reaffirmation. Comments are being resolved, hopefully before 26 July 2002 when ANSI would administratively withdraw the standard due to overage. ANS-59.53, ANS-59.54 and ANS-59.55 are projects with approved charters; however, there is no interest for these standards at this time, and will therefore, not proceed.

Action Item 06/02-09: Review the need for ANSI/ANS 59.53, ANS 59.54, and ANS 59.55 by the new ANS 22 subcommittee chair and make a recommendation on their disposition. Due Date: November 2002 NFSC meeting.

**ANS-23: Decommissioning & Site Remediation Standards – D. Eggett
(Appendix C, attachment 3)**

Status of this subcommittee is the same as was in November 2001 meeting. No report was given since all standards under this subcommittee are currently active.

**ANS-24: Analysis Standards Subcommittee – Andy Wehrenberg
(Appendix C, attachment 4)**

The status of this subcommittee is the same as in November 2001. Standards that require new chairs are ANS-56.4, *Pressure and Temperature Transient Analysis for Light Water*

Reactors, and ANS-56.10, *Subcompartment Pressure and Temperature Transient Analysis in LWR's*. Jim Gilmer has accepted to chair ANS-58.2, *Design Basis for Protection of Light Water Nuclear Power Plants Against Effects of Postulated Pipe Rupture*. The volunteers to possibly chair ANS-56.4 and ANS-56.10 have declined as was mentioned above in Action Item 11/01-10.

**ANS-25: Siting – Jean Savy (Appendix B, attachment 5)
(Appendix C, attachment 5)**

A new working group chair is needed for ANS-2.29, however J. Savy and Neil Brown will work on the standard to complete it. The chair for ANS-2.25 no longer has support from management to work on the standard; therefore, a new chair is needed immediately. N.P. Kadambi has a possible contact for chairing this project, which led to the following action item:

Action Item 06/02-10: H. Chander, and J. Savy will arrange a joint time to meet to discuss the contact that N.P. Kadambi has to possibly chair has ANS-2.25.

Due Date: November 2002.

H. Chander stated that the joint standards between DOE and ANS are taking too long to complete. These standards are being developed jointly between ANS and DOE. It was questioned if there should be a dual designation and balloting. Ideally, it would be best not to have either because it might delay the completion of ANS-2.28.

ANS-2.26 has returned to the management of ANS-25 subcommittee from ANS-21. This standard has already been reviewed and changes are still taking place.

The PINS for ANS-2.3 was distributed and discussed (Appendix C, attachment 5.1).

Modifications to the PINS include the following:

- (1) Replace the last sentence in the paragraph under *Purpose* with "The standard does not treat structural forces."
- (2) Under *Documentation of Need* insert "tornado" in the first paragraph, second sentence after the words hurricane winds.
- (3) Delete the second paragraph under *Documentation of Need*.
- (4) Under the section *Related Standards or References, or Both*, reference item 5, replace 1994 with 2002. The 2002 version supersedes 1994.
- (5) Under the section *Related Standards or References, or Both*, add the LLNL report for reference item 10. J. Savy will add this and return to S. Ahmad.

Action Item 06/02-11: J. Savy will update the PINS for ANS-2.3 and send it to S. Ahmad to send to ANSI. Due Date: October 2002.

Motion to approve the PINS for ANS-2.3 with the above modifications was passed without dissent.

**ANS-26: Emergency Planning – Charles K. Brown
(Appendix C, attachment 6)**

C.K. Brown was absent for this meeting and therefore, there is no updated report. The November 2003 ANS meeting will have a topical about Emergency Preparedness. This may present a good opportunity to hold a session about ANS Standards on this same topic.

Action Item 06/02-12: S. Ahmad and D. Spellman will talk with C.K. Brown about holding a session at the November 2003 ANS meeting on ANS Standards on Emergency Preparedness. Due Date: October 2002 ExC Telecon.

**ANS-27: Fuel Cycle & Waste Management – Joe Cohen and John Dewes
(Appendix C, attachment 7)**

ANS-57.8, *Fuel Assembly Identification*, has a working group chair and three volunteers, who are all utilities. The working group needs other volunteers from other balance of interests.

ANS-40.37, *Mobile Radioactive Waste Processing Systems*, has a chair (Reuben Rainisch of Westinghouse Savannah River). More working group members are needed for this standard.

ANS-2.19, *Guidelines for Establishing Site-Related Parameters for Site Selection and Design of an Independent Spent Fuel Storage Installation*, requires revision. J. Dewes, with the help of Steve Stamm, is looking for volunteers from his organization, Stone & Webster.

Action Item 06/02-13: J. Dewes will resolve the comments from the ballot of ANS-40.35. Due Date: October 2002.

OLD BUSINESS

A. Policies and Procedures – G. Wagner

George Wagner was not present for this discussion. The responsibility for revising the policies and procedures has been transferred to James Saldarini, which is reflected in the following action item:

Action Item 06/02-14: J. Saldarini has volunteered to act as project manager to oversee the process of an NFSC policy review. Provide drafts of a selected number of the policies and procedures. Due Date: June 2003 NFSC meeting.

**B. Special Committee on Performance-Based Standards – N.P. Kadambi
(Appendix D, attachment 1 and 2)**

The Performance-Based Standards team consists of N.P. Kadambi, S. Stamm, and J. Savy. N.P. Kadambi presented two documents: "Guidance on Performance-Based Standards" and "Activities and Steps to a Performance-Based Standard." N.P. Kadambi stated that the NRC is in the driver's seat to do develop the framework of performance-based standards.

N.P. Kadambi reports that standards have historically been so prescriptive, but if there is substantive margin, then the standards can be Performance-Based. PRA provides a one-way of identifying the estimate of requirements to achieve goals and objectives. PRA helps measure to show what is important. A PRA may or may not be needed. If you do not have PRA that does not mean that you cannot have a Performance-Based standard. If 10 CFR 50.69 gets approved this year, then the utilities will need some guidance. Guidance on Performance-Based Standards" relies on creating goals and objectives and how these will fulfill the safety needs as long as the goals are measured and parameters are set making things more structural and explicit. There is a difference between risk-informed and performance-based. It's hard to describe performance-based without a good example. The approach of performance-based is like margin management and using that estimate of margin from PRA.

It was suggested that the NFSC would not necessarily start writing a standard but decide on a list of candidates for performance based revisions and ask the subcommittee to review them and discuss proposed changes at a future NFSC meeting. NFSC Members should think of an example and respond to P. Kadambi by October 2002.

Action Item 06/02-15: NFSC should come up with examples of possible performance-based standards. D. Spellman has requested that subcommittee chairmen have one example ready to discuss at the October 2002 ExC telecon. A discussion of these examples will then be held at the November NFSC meeting. Due Date: November 2002 NFSC meeting.

Supplemental Action Item 06/02-15.1: NFSC subcommittee chairs select one or two standards from their list and propose candidates for performance-based revisions. Due Date: October ExC teleconference.

S. Stamm's example of a performance-based topic was the number of hours a person can work. The measurement would be whether or not the person could do the work, not so much number of hours worked if personal issues occurred with the workers.

C. ANS-2.10 Resolution of Negative – S. Stamm

ANS-2.10 is a new proposed standard under the management of ANS-25. The resolution of the last negative ballot was discussed between S. Stamm and the working group chair, Dennis Ostrom. S. Stamm and S. Ahmad discussed the situation before breaking for lunch, and it was agreed that S. Stamm would send an email to ANS headquarters confirming that he has changed his ballot from negative to approve. This email was sent and received the same day if the NFSC meeting. ANS-2.10 will most likely be balloted for a third time if substantive changes exist.

Action Item 06/02-16: John Dewes and D. Ostrom determine if substantive changes were made to ANS 2.10 and either submit for new ballot or complete current ballot with S. Ahmad. Due Date: October 2002.

NEW BUSINESS

D. Spellman started the new business with information of interest regarding the recent Bush/Putin summit (Appendix E, attachment 1). President Bush and Russian President Putin have agreed to establish two joint experts groups. One joint group will develop recommendations for potential U.S.-Russian collaboration on advanced nuclear fuel cycle technologies. The second group will report on the means to eliminate more weapons-graded nuclear material. President Bush and President Putin have also signed the Moscow Treaty on Strategic Offensive Reductions. Under this treaty, the U.S. and Russia will reduce their strategic warheads by nearly two-thirds by December 2012.

**A. New Foreword for Reaffirmed/New/Revised Standards
(Appendix E, attachment 2)**

Two standards that were balloted for reaffirmation (ANS-58.11 and ANS-58.9) received comments regarding the new risk-informed environment that now exists. In order to resolve those comments, the working group chair agreed to include an additional statement to the existing foreword of both standards addressing risk-informed. This issue led to the proposal of a standard statement that would be inserted to the existing forewords of reaffirmed standards. Two additional statements were proposed: one for reaffirmed standards and one for new/revised standards. The NFSC concurred that for this meeting it would discuss the proposed statement for reaffirmed standards, and discuss the wording and issues on the statement for new/revised standards at a later date.

Action Item 06/02-17: D. Spellman will talk to R. Hill, M. Ruby, and B. Bryan about a foreword for new/revised standards (also, talk to Prasad about the impact on Performance-Based standards). Due Date: September 2002.

The main argument against the additional statement to the forewords of reaffirmed standards was that it would contradict the reaffirmation process by implying that the standard is not acceptable. It was argued that the revision of references for a standard is the responsibility of the working group. Furthermore, updating the references in standards should be made instead of incorporating the proposed statement to the foreword; thus, leaving the user responsible for double-checking the current status of the references. It was suggested that there be a guidance document or policy to convey to the working group that there are risk-informed items that might need to be considered when reaffirming or revising a standard.

The NFSC came to an agreement on the statement. The following statement to be included in the existing forewords of reaffirmed standards was motioned and approved unanimously, with one abstention from Mike Ruby. The new additional statement reads,

This standard has been reviewed and reaffirmed by the ANS Nuclear Facilities Standards Committee (NFSC) with the recognition that it may reference other standards and documents that may have been superseded or withdrawn. The requirements of

this document are met by using the version of the standards and documents referenced herein. It is the responsibility of the user to review each of the references cited and to determine whether the use of the original references or more recent versions is appropriate for the facility. Variations from the standards and documents referenced in this standard should be evaluated and documented.

The standard does not necessarily reflect recent industry initiatives for risk informed decision-making or a graded approach to quality assurance. Users should consider the use of these industry initiatives in the application of this standard.

A discussion also ensued regarding whether EPRI documents should be used as required references in ANS standards. The issue is the if an EPRI reference is required, the standard user would either have to be an EPRI member to get the document or pay a significant price to obtain it as a non-EPRI member. (This item was addressed at the Standards Steering Committee meeting the next day and the SSC said that ANS standards should not require meeting EPRI documents to satisfy an ANS standard.)

B. ANS-53 Gas-Cooled Reactors standards

There is still a strong interest to revive gas-cooled reactors standards. D. Spellman said that he would contact Andy Kadak, who might know some people who are interested in working on these standards. In addition, N.P. Kadambi mentioned that Joe Muscara of the Office of Research Division of Engineering Technology at NRC has lead with research plant for advanced reactors. D. Spellman will contact Joe Muscara as well.

Action Item 06/02-18: D. Spellman will contact Andy Kadak and Joe Muscara, of NRC, regarding the revival of Gas-Cooled Reactors standards. Due Date: October 2002.

C. ANS-51.1 and ANS-52.1- How can NFSC Start These Projects?

R. Hill has submitted PINS for both of these standards.

D. NFSC Responsibility for Balloting

Don Spellman spoke about this at the beginning of the meeting. He mentioned the importance of balloting standards and the importance of NFSC members submitting ballots. He stated that it is the responsibility of each NFSC member to take adequate time to read and consider the standards at ballot.

E. NRC Draft RG on Single Failure Criteria

There was a short discussion related to a needed update to ANSI/ANS 58.9. Since ANS 58.9 is currently completing the reaffirmation process and it has become known that the NRC is working on a Reg Guide on single failure analysis. There may be a need to revise ANS 58.9 in the near future to comply with the information in the Reg Guide. Mike Ruby was asked to monitor the progress of the new Reg Guide and evaluate the need for a revision to ANS 58.9.

Action Item 06/02-19: Mike Ruby, Chair of ANS 21 subcommittee will monitor progress of the new NRC Reg Guide on single failure analysis and review the need for any revision to ANSI/ANS 58.9. Due Date: 3 months after release of NRC Reg Guide.

F. New Standard – Control Room Habitability – M. Ruby

Agreement of the task force that NEI assembled to draft technical document NEI-99-03 did not work out. NEI published the document and NRC would not endorse it; there seems to be a compliance issue. There also seems to be a lack of interest and perceived need of a standard on this subject. Although NEI does not want to wait years for a standard to be published, but that does not mean that they are not interested in it. It looks like this issue may not happen, but it will be postponed for now.

G. Burn-up Credit for Dry Systems

This standard will be under N16, ANS-8 subcommittee.

H. ANS Member Survey – What does it mean to NFSC?

(Appendix E, attachment 3)

Late last year ANS headquarters sent out a survey to its membership regarding ANS programs and services. A section of the survey was devoted to ANS Standards. An open-ended question allowed ANS members offer comments and suggestions of what standards they would like to see ANS develop. When the survey results were compiled, D. Eggett reviewed the survey because of his seat on the Planning Committee. NFSC members have not been asked to contribute nor asked to assist in analyzing the results of the survey. Review of the survey results and the development and implementation of an action plan is needed.

Action Item 06/02-20: S. Ahmad will distribute the standards information of the ANS membership survey to the NFSC. Due Date: October 2002.

Action Item 06/02-21: S. Stamm will go over the standards information from the ANS membership survey and report to the NFSC. Due Date: November 2002 NFSC Meeting.

I. NFSC Standards for TC-85 Consideration

(Appendix E, attachment 4)

NFSC standards that are under consideration for ISO endorsement are, ANS-57.2, *Design Requirements for Light Water Reactor Spent Fuel*, ANS-57.3, *Design Requirements for New Fuel Storage Facilities*, and ANS-57.9, *Design Criteria for an Independent Spent Fuel Storage Installation (Dry Type)*. There is also a list of suggested new proposed standards to be developed under SC-6. This includes standards on Gas-Cooled Reactors, control room habitability, site characterization and remediation, and dual-purpose reactors. NTAG is awaiting the results of this proposal.

**J. Use of New Volunteers for Writing Groups
(Appendix E, attachment 5)**

New volunteers for standards writing groups have been distributed. The new volunteers have been contacted by their respective subcommittee chairs and they have been assigned to a working group as noted in the above attachment.

This concludes the NFSC minutes for June 2002.

Submitted By,

/S/

Suriya Ahmad,
NFSC Secretary
ANS Standards Administrator

Appendix A

Attachment 1: NFSC Balance of Interest and NFSC Roster
Attachment 2: Delinquent Standards Report
Attachment 3: Status of all NFSC Standards
Attachment 4: NFSC Staff Report
Attachment 5: Projects at Ballot
Attachment 6: Sales Report
Attachment 7: NFSC Standards Organizational Chart
Attachment 8: Presentation: Revising ANS-51.10
Attachment 9: Action Items

Appendix B

Attachment 1: ASME NQA Liaison Report
Attachment 2: IEEE NPEC Liaison Report

Appendix C

Attachment 1: ANS-21: Nuclear Power Plant Design Criteria & Operations
Attachment 2: ANS-22: Nuclear Power System Level Design
Attachment 3: ANS-23: Decommissioning & Site Remediation Standards
Attachment 4: ANS-24: Analysis Standards Subcommittee
Attachment 5: ANS-25: Siting
Attachment 5.1: PINS for ANS-2.3-revision
Attachment 6: ANS-26: Emergency Planning
Attachment 7: ANS-27: Fuel Cycle & Waste Management

Appendix D

Attachment 1: Guidance on Performance-Based Standards
Attachment 2: Activities & Steps to a Performance-Based Standard

Appendix E

Attachment 1: White House Press Releases
Attachment 2: New Foreword Statement for Reaffirmed/New/Revised Standards
Attachment 3: ANS Member Survey (Standards section only)
Attachment 4: NFSC Standards for TC-85 Consideration
Attachment 5: Distribution of New Volunteers

Other Documents

Ballot Participation
List of Gas-Cooled Reactor Projects (ANS-53)
Mock-up of PINS for Performance-Based Standards