

## Nuclear Facilities Standards Committee (NFSC) Minutes 12 November 2001 • Reno, Nevada

---

### Members Present:

Don Spellman, NFSC Chair, Oak Ridge National Laboratory  
Thomas Luke, NFSC Vice-Chair, Exelon Cantara  
Suriya Ahmad, NFSC Secretary, American Nuclear Society  
Mike Wright, NFSC ANS-21 SC Chair, Grand Gulf Nuclear Station  
Gon Maxwell, NFSC ANS-22 Alternate for Rick Hill, GE Nuclear Energy  
Donald Eggett, NFSC ANS-23 SC Chair, AES Corporation  
Neil Norman, NFSC ANS-23 SC Vice-Chair, Parsons Infrastructure & Tech. GP, Inc.  
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  
N. Prasad Kadambi, NFSC member, US Nuclear Regulatory Commission  
James F. Mallay, NFSC member, Framatome ANP  
Robert McFetridge, Westinghouse Electric Corporation  
Charles H. Moseley, Jr., BWXT-Y12  
William Prillaman, Framatome ANP  
William B. Reuland, Individual  
Mike Ruby, Rochester Gas & Electric Company  
Steven L. Stamm, Stone & Webster, Inc.  
John D. Stevenson, J.D. Stevenson Consultants  
Denwood Ross, Special Guest, Standards Upgrade Marketing Consultant

### Members Present via Telephone

Harish Chander, US Department of Energy  
Jesse Love, Bechtel Power Corporation  
George Wagner, Individual

### Members Absent:

Charles Brown, NFSC ANS-26 SC Chair, Southern Nuclear Operating Company  
Michael T. Cross, Westinghouse Electric  
Rick Hill, GE Nuclear Energy \* sent alternate, Gon E. Maxwell  
James Saldarini, Foster Wheeler Environment Corp.  
Robert E. Scott, Scott Enterprises  
C.D. Thomas, Jr., Individual

**Welcome and Roll Call**

D. Spellman called the meeting to order at 10:30 AM, and roll call was taken. A quorum was present.

**Approval of Minutes**

The NFSC ExC October 2001 minutes were approved without dissent.

The minutes of the NFSC June 2001 meeting received a suggested amendment from N.P. Kadambi. N.P. Kadambi stated that he would like to make a change to section 7C, paragraph 1, sentence 4. The sentence reads: "Performance Based as a regulation is a concern because it would mean that it meets the viability guidelines of commission papers SECY 00191." N.P. Kadambi stated that he would like the sentence to read: "Performance Based, as a regulation would mean that it meets the viability guidelines of commission papers SECY 00191." With concurrence of this change, Jim Mallay made a motion to approve the minutes, Chuck Moseley seconded and members voted to approve.

**MANAGEMENT REPORTS**

**A. Executive Committee Report – D. Spellman**

In the interest of saving meeting time for issues that need to be addressed at the NFSC, members were directed to a copy of the Executive Committee minutes from the October 10<sup>th</sup> teleconference which are on the ANS website.

**B. Chair’s Report – D. Spellman**

Don Spellman noted that the agenda for the meeting had been modified somewhat to allow the Subcommittee Chair reports to coincide with the time when some members would attend the meeting through a teleconference speakerphone.

There appears to be a renewed need for standards that may have been neglected in the past; for instance, the previous ANS-53 subcommittee standards that focused on Gas-Cooled Reactors. A number of these standards were in draft form when the subcommittee disbanded in the late 1980s. Don Spellman stated that Gas-Cooled Reactor standards present an area to revitalize due to the current possible turn in the industry, and he suggested that the NFSC should consider creating a new committee to reactivate work in this area.

N.P. Kadambi mentioned that the NRC is rejuvenating their library of Gas-Cooled Reactor information.

Discussion about Gas-Cooled Reactors led to a general assignment:

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.

Bill Reuland discussed a task he had been working with EPRI and Advanced Reactors Corporation (now disbanded) on Generation IV and Next Generation reactors. Bill said that a lot of this information was probably proprietary but he would review it and provide some general conclusions to NFSC regarding a direction that may be needed for future standards.

J. Cohen stated that if there were to be any new standards about Gas-Cooled Reactors, then those standards should be consistent with Utilities Requirements Document (URD).

Action Item 11/01-02:

W. Reuland will look into the EPRI information, and pass that information to Don Spellman for use in decisions for future standards. Due Date: February 2002

### **C. Secretary's Report – S. Ahmad**

Since the ANS June 2001 meeting, the Standards section of the ANS website has undergone some remarkable improvements, namely the NFSC Online Calendar. This interactive online calendar, administered by the Standards Department, serves as a tool to track each NFSC member's responsibilities such as NFSC projects, ballots, meetings, and other issues. Documents can be uploaded and downloaded. Automatic email reminders from the ANS server are sent out each day on selected dates to remind NFSC members of any existing deadlines.

Other enhancements to the Standards site include the uploaded Current Standards Sales List, the redesigned Standards Organizational Chart, the redesigned Standards Development Process, the ANS Standards Committee Procedures Manuals, and a PowerPoint presentation about the history and processes of the ANS Standards Committee.

Next the volunteer involvement for the ANS Standards Committee was discussed.

To combat the decreasing number of Standards volunteers, the Standards Department created a promotional brochure as an inclusion in the Annual ANS Membership Renewal Packet. The brochure highlights the Standards Committee, the Standards Committee's mission, Consensus Committees' descriptions, current ANS standards projects undertaken, and the rewards of joining the committee. The brochure includes a remittance form for anyone who would like a Standards Volunteer Informational Packet. The brochure cover also serves as an advert in *Nuclear Standards News*, *ANS News*, and *Nuclear News*. Responses from the mail-out and adverts will be recorded and analyzed.

The Standards Volunteer Informational Packet is the second item designed to encourage interest in the Standards Committee. The packet cuts the turn around time between volunteers' inquiries and when the Standards Committee assigns the individual to an appropriate working group. The packet encompasses several leaves of information such as an introduction letter, the scopes of the ANS Standards Committee, a Standards Committee organizational chart, the steps in the development of an ANS Standard, accompanied with a flow chart, and a volunteer form.

### **D. Standards Coordinator – T. Luke**

T. Luke said there was some inconsistency with the status of subcommittee standards between the database and the handouts supplied during the meeting. He gave some examples, and most of the inconsistencies were addressed and corrected. T. Luke will look over the documents and will keep up with the status of each standard. T. Luke suggested that perhaps we should implement a system that shows the real-time status of the subcommittees' standards.

Action Item 11/01-03: T. Luke and S. Ahmad will organize and sort through the NFSC standards, to create a diagram that will reflect the most up-to-date information of each standard within each subcommittee. Due Date: One month prior to June 2002 meeting

There was discussion about how to declare historical standards in a coherent statement. For example, DOD prints, "Withdrawn, Not Approved for New Design" on all expired standards. The NFSC thought about using similar words. Presently, ANS Headquarters stamps historical and administratively withdrawn standards as "Withdrawn" although there is no statement to supplement this. It was thought that a statement was created, but never made into a stamp. This thought led to the following action item:

Action Item 11/01-04: S. Ahmad will look through past minutes to find if a statement was created to expand on the "Withdrawn" stamp, stamped on ANS historical standards. Due Date: Next ExC teleconference.

Next, the issue of ANSI automatic withdrawal of ANS standards at 10 years was discussed. This is generally caused by lack of attention by ANS committees but has become a hard-and-fast rule by ANSI lately. Some of the NFSC standards have recently been and are soon coming upon this time. Methods to prevent automatic withdrawal by ANSI were discussed. It was felt that in order to keep the documents active, they could be simply reaffirmed with the provision that the appropriate subcommittee immediately submit a PINS form and the standard revised as soon as possible. In general, the most significant errors in the current document may only be the dates of the references. It was also suggested that if this unusual method were used, that the reaffirmation ballot should contain an explanation of the particular reason for the reaffirmation.

#### **E. Action Items – S. Ahmad**

Action Item 6/01-1:

Bob Scott will review the common definitions for the Glossary and send them to D. Spellman and ANS Headquarters. Closed.

Action Item 6/01-2:

S. Ahmad will post the glossary onto its website with a password sensitive page for NFSC members until it is officially approved so that the members may access it and provide comments. Open.

Action Item 6/01-3:

S. Ahmad will determine international vs. domestic sales data. Furthermore, determine which standards were bought on CD ROM.

*NOTE: The standards sales data was provided by ANS Headquarters because of the proprietary nature of the report, it will not be included here as an attachment.*

Closed.

Action Item 6/01-4:

G. Wagner will send D. Spellman information regarding procedures about answering clarification questions. Open.

Action Item 6/01-5:

Jim Mallay and ANS Headquarters will design a document about the subcommittee genealogy/history. Open

Action 6/01-6:

Mike Wright volunteered to develop a Foreword that will be inserted in each reaffirmed standard when it is reprinted. This Foreword will address the references used in the standard. Closed.

Action Item 6/01-7:

G. Wagner will work on the procedures and policies regarding Action Item 6/01-6, references used in reaffirmed standards. Send thoughts on foreword and reaffirmation process to George Wagner. Open.

Action Item 6/01-8:

S. Ahmad will call ANSI to discuss reaffirmed standards older than ten years. Closed.

Action Item 6/01-9:

At the next NFSC ExC teleconference, R. Hill should inform the NFSC about 51.10 and the charters that have been approved, but not written for 59.53, 59.54, and 59.55. Open.

Action Item 6/01-10:

N. Norman and D. Eggett will incorporate the proposed ANS-3.8.9 material into ANS-3.12.2. Closed.

Action Item 6/01-11:

S. Ahmad will inform ANSI that ANS is withdrawing 3.8.9 PINS form. Closed.

Action Item 6/01-12:

ANS Headquarters personal note: Modify NFSC organizational chart to reflect changes in Norman's handout. Closed.

Action Item 6/01-13:

A. Wehrenberg will send proposed PINS form to ANS Headquarters for the revisions of ANS-56.4, ANS-56.10, and ANS-58.2. Open

Action Item 6/01-14:

ANS-57.2 & ANS-57.3 are ready for ballot. There is consideration to present this at the November meeting in Reno, NV, but it depends on ballot results. Open.

Action Item 6/01-15:

G. Wagner will visit ANS to analyze the past 5-10 years of minutes. Closed.

Action Item 6/01-16:

G. Wagner is to report the progress for the Policies and Procedures Revision at the next NFSC meeting and at the teleconference meeting on 14 September 2001 at 11.00 CST. Closed.

NFSC November 2001 Meeting Minutes

G:/NFSC/Minutes/2001/NFSC11.01 Minutes

Action Item 10/00-2:

S. Ahmad will inform NFSC of the NRC database available via the Internet, which proved information on what standards are endorsed.

Closed.

Action Item 10/00-3:

R. Hill will provide recommendation as to whether 56.5 should be revived or allowed to remain historical. Closed. (In 08.01, R. Hill stated that this standard would be kept historical.)

Action Item 10/00-5:

Acting in a project manager role, G. Wagner will oversee the process of an NFSC policy review. Open.

Action Item 10/00-6:

R. Hill will provide recommendation for next action on 50.1, 51.1, 52.1, 56.2, 56.3, 56.5, 56.6, 56.7, 59.3, 59.53, 59.54, and 59.55.

Open.

Action Item 10/00-10:

N.P. Kadambi, with assistance from three NFSC members, will develop criteria for determination of Performance-Based standards and provide to NFSC for discussion at November meeting.

Open.

Action Item 6/00-6:

J. F. Mallay will discuss ANS-58.14 with RISC committee to determine its proper location.

Closed.

Action Item 6/00-10:

D. Spellman will draft letter to solicit international participation in NFSC.

Open.

Action Item 11/99-10:

S. Ahmad and D. Spellman will discuss remaining comment resolution concerns with ANS-2.2 Chair and report back to NFSC.

Open.

Action Item 11/99-13:

S. Ahmad and D. Spellman will put toolkit on ANS website.

Open.

Action Item 6/98-8:

S. Ahmad will pursue Standards Web Page Upgrades:

- A.) Description of committee's structure. Closed.
- B.) Interaction with other SDO's. Open.
- C.) Mechanism for expressing interest in volunteering. Closed.
- D.) Show benefits of activity and support corporations. Closed.

Open.

#### LIAISON REPORTS

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

The ASME NQA Committee met in October 2001. The meeting focused on the potential endorsement of NQA-1-1997 by the NRC and DOE. The NRC does not plan to work on this endorsement since there is a lack of utility interest to endorse later versions of the standard. The ASME NQA Committee is looking at DOE as a potential endorser for NQA-1-1997.

This situation affects standard ANS-3.2/ANSI-18.7. The NRC will not start with ANS-3.2 standard until after NQA-1 has been endorsed. Since ANS-3.2-1988 and ANS-3.2-1994 versions incorporate several performance-based approaches, NQA and ANS will continue to seek NRC endorsement of ASME NQA-1-1997 or 2000 and ANS-3.2-1994 (2000).

##### **B. IEEE NPEC – Don Spellman**

This report could not be given since IEEE NPEC held their meeting after the ANS Winter meeting. D. Spellman will distribute a report shortly after IEEE NPEC meet.

##### **C. ANSI – Suriya Ahmad (Appendix A, attachment 2, attachment 3, attachment 4)**

The American National Standards Institute (ANSI) made an administrative change regarding additions to appendices/annexes to reaffirmed standards. According to ANSI, a standard up for reaffirmation ballot may include a new appendix/annex only if the new appendix/annex is "informative." If the new addition is "normative," then the standard cannot be reaffirmed; instead, the standard will undergo ANSI's revision procedures.

Although the current text of ANSI Procedures does not require that the addition of an informative annex to a reaffirmation require notation in the Foreword, ANSI staff recommends that such a notation be included. ANSI believes such a notation is also consistent with the procedural revision recently approved by the ExSC that will be included in the edition of the ANSI Procedures that will be posted in January 2002.

The relevant revision to clause 4.1 is posted at:

[http://www.ansi.org/public/library/revise/procedure\\_updates/design4.html](http://www.ansi.org/public/library/revise/procedure_updates/design4.html)

The current requirement, which has not changed, follows:

##### 1.3.1.2 Criteria for reaffirmation

The due process and consensus requirements contained in 1.2 apply to reaffirmations as they do to all approval actions related to American National Standards. The procedures used for reaffirmation of an American National Standard by an accredited standards developer shall be implemented according to the developer's ANSI-approved procedures. Reaffirmations shall provide an opportunity for public comment.

Reaffirmations shall be accomplished without any substantive change to the main text of the standard. All non-substantive changes in the main text of the standard shall be explained, or noted, in a foreword. An American National Standard undergoing an update of references to standards necessary to implement the American National Standard shall be processed as a revision unless the updated reference is only a reaffirmation of the referenced standard. Any substantive change in such references requires processing as a revision.

In the case of a proposal for reaffirmation of an existing American National Standard for which one or more unresolved objections have been reported, the BSR shall consider evidence that the criteria above have been met. The designation of ANSI approval shall clearly indicate if the approval is a reaffirmation.

#### **D. ANS RISC – J. F. Mallay**

The RISC Committee met in late October 2001 at NEI in Washington D.C. Three main issues arose from the public review period for the External Hazards –PRA-Methodology standard. The RISC group resolved these issues and will reflect them in the standard. Robert Budnitz, Project Coordinator of the EH group, expects to begin the second ballot for the External Hazards in the beginning of 2002. The group hopes to have the standard published by mid-2002.

Soon RISC will begin development on the second standard, Low Power Shutdown (LPSD). RISC will have to engage in some more research on this. They are estimating to conduct the first LPSD ballot around November 2002.

As for the FIRE grant, the NRC is awaiting appropriations and once received, then ANS will be officially informed that they have received this grant. RISC is estimating a two-year time frame to complete this standard.

**\*\* At this point the meeting was conducted with H. Chander, J. Love, and G.Wagner joining via telephone. \*\***

#### **SUBCOMMITTEE REPORTS**

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

The NFSC 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 well in the rest of the flooding analysis standards held by that subcommittee.

ANS-58.11, Design Criteria for Safe Shutdown Following Selected Design Basis Events in Light Water Reactors, is currently at ballot for reaffirmation and it received a negative vote from R.H. Bryan. This standard does not reflect risk-informed, and the main discussion was whether the standard should be reaffirmed or withdrawn considering the new risk-informed environment that now exists. According to R.H. Bryan this standard predates the current efforts to risk-inform some regulatory requirements. According to W. Reuland there is a problem of integrating risk-informed regulations and approaches to standards. There needs to be a

design to start with to regulate risk assessment of that design. J. Love suggested that if the foreword is to be revised, then it should state what ANS-58.11 is and what it is not -- and it is not risk-informed. R.H. Bryan said that he would change his negative vote "approve with comments" as long as his comments will be addressed in the standard's next revision; he sent confirmation of his changed vote to ANS Headquarters shortly before the meeting. After much input and debate, the NFSC concluded to continue the reaffirmation ballot of ANS-58.11; now that the negative vote has changed and M. Wright will revise the PINS form Scope statement for the revision.

Action Item 11/01-05:

Mike Wright will work with R.H. Bryan and the working group chair for ANS-58.11, to rewrite the foreword for ANS-58.11 to clearly note that the current document is not a risk-informed standard and that the next revision will include these provisions. This final rewording must also be approved by the SSC.

Due Date: Provide to NFSC Chair for approval by 1/31/02. NFSC Chair will then have ANS HQ send to membership for concurrence or comments by 2/15/02.

Action Item 11/01-06:

Mike Wright will modify the PINS form for ANS 58.11 Scope to include concerns voiced by R.H. Bryan.

**ANS-22: Nuclear Power System Level Design – Gon Maxwell (alternate for Rick Hill)  
(Appendix B, attachment 2)**

Gon E. Maxwell spoke on behalf of Rick Hill for subcommittee ANS-22.

ANS-51.10, Auxiliary Feedwater Criteria for the Design of Stationary Pressurized Water Reactor Plants, was under ballot but does not have enough votes to reach consensus.

Action Item 11/01-07:

S. Ahmad and Sue Peccatiello will contact the non-respondents to the ANS-51.10 reaffirmation ballot and encourage them to cast their vote. Due Date: 1/15/02

ANS-50.1, Nuclear Safety Criteria for the Design of Stationary Light Water Reactor Plants, was supposed to be a combination of ANS-51.1 (PWRs) and ANS-52.1 (BWRs), but was never completed. In order to keep from 51.1 and 52.1 being lost to new design activities, it will be necessary to complete revisions to those standards ASAP.

Action Item 11/01-08:

R. Hill is to submit completed PINS forms for ANS-51.1, ANS-52.1 and ANS-51.10 so S. Ahmad can conduct a PINS ballot for each standard Date: January 15, 2002

ANS-59.3, Nuclear Safety Criteria for Control Air Systems, is currently inactive. It was agreed to start a reaffirmation ballot on this standard.

Action Item 11/01-9:

S. Ahmad will conduct a ballot to reaffirm ANS-59.3. Date: January 15, 2002

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

ANS-3.12.1 is currently inactive and in light of the September 11<sup>th</sup> events to the United States, this standard has been postponed indefinitely.

ANS-3.12.2 (ANS-3.8.9 was combined into ANS-3.12.2) and ANS-3.12.3 are still in drafting. D. Eggett said that he will try to have the writing groups complete the standards three – four months before the next ANS July 2002 meeting. It was estimated that both drafts would be ready for the NFSC ballot by 15 July 2002.

ANS-41.2 and ANS-41.5 are still open to work on and they both require new working group chairs. These two standards will be reflected on the NFSC Standards Organization Chart produced by S. Ahmad.

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

ANS-5.1-1994, Decay Heat Power in Light Water Reactors, has been transferred to N17, ANS-19 subcommittee.

ANS-5.4, no longer requires a working group chair. Already this group has met three times and they are making good progress.

Standards that require new chairs are ANS-56.4, Pressure and Temperature Transient Analysis for Light Water Reactors, ANS-56.10, Subcompartment Pressure and Temperature Transient Analysis in LWR's, and ANS-58.2, Design Basis for Protection of Light Water Nuclear Power Plants Against Effects of Postulated Pipe Rupture. Either Mark Mayer or Mahmoud Massoud might chair ANS-56.4 and Jim Gilmer might chair ANS-56.10 and ANS-58.2. A. Wehrenberg and S. Ahmad are awaiting confirmation these individuals to chair these standards.

Action Item 11/01-10:

A. Wehrenberg will talk to J. Gilmer, M. Massoud, and M. Mayer about sending in their volunteer forms to ANS Headquarters and confirming their commitment to chair the respective working groups.

Date: December 15, 2001

ANS-56.11, an ANS-21 subcommittee standard has been transferred to ANS-24 subcommittee.

Action Item 11/01-11:

S. Ahmad will formally record that standard ANS-56.11 has been transferred to the management of ANS-24 subcommittee. Date: December 15, 2001

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

The issue regarding the PINS to resurrect ANS-2.3 was brought up by H. Chander (see Appendix B, attachment 6). H. Chander did not support the PINS form because the scope

was not explicit enough as to what the standard would cover. He stated that if this ANS-2.3 is to cover new ground, then it should make some reference to ANS-2.26 and ASCE XXX standards that are presently under development. Another concern that H. Chander had was the source of this standard's funding.

According to J. Savy, the ANS-2.3 draft is complete, yet the PINS form has not been approved. It is expected that the calculations for this standard will be completed by January 2002. J. Savy said that he received funding to support this standard: therefore, ANS-2.3 is ready to revision by December 2001.

J. Savy agreed to modify the scope to include ANS-2.26.

Action: J. Savy and S. Ahmad ensure PINS form for ANS 2.3 is completed by Jan 1, 2002.

ANS-2.9, Evaluation of Ground Water Supply for Nuclear Power Plants Sites, was ANSI administratively withdrawn in 2000. J. Savy wants to reactivate this standard, which led to the following action item:

Action Item 11/01-12:

J. Savy will submit a PINS form for revisions to ANS-2.8, ANS-2.9, and ANS-2.17. Date: January 31, 2002

ANS-2.10, Guidelines for the Retrieval, Review, Processing and Evaluation of Records Obtained from seismic Instrumentation, will be transferred to ANS-21 subcommittee.

Action Item 11/01-13:

S. Ahmad will make formal record that standard ANS-2.10 has been transferred to ANS-21 subcommittee. Date: December 15, 2001

ANS-2.17, Evaluation of Radionuclide Transport in Ground Water at Nuclear Power Sites (check title), requires a new PINS form and working group members disagree.

J. Savy's said, ANS-2.27, Evaluation Criteria for Characterizing Natural Phenomena at Nuclear Material Facilities, will be in progress for revision, once ANS-2.29 standard is in its final draft; both standards depend on one another.

ANS-2.29, Probabilistic Seismic Hazard Analysis, is active/in process. It will be ready for ballot around February/March 2002.

ANS-16.1, Measurement of the Leachability of Solidified Low-Level Radioactive Wastes by a Short-Term Procedure, is currently at ballot to become a new American National Standard.

#### **ANS-26: Emergency Planning – Charles Brown**

C. Brown was absent for this meeting; thus, there is no report.

Action Item 11/01-14:

S. Ahmad will conduct a ballot to reaffirm standard ANS-3.8.5.

Action Item 11/01-15:  
Standard ANS-40.36 will be transferred from ANS-26 subcommittee to the management of ANS-27 subcommittee.

Action Item 11/01-16:  
S. Ahmad and C. K. Brown will send ANS-27 chair, J. Cohen any information about standard ANS-40.36.

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

Action Item 11/01-17:  
J. Cohen will have working group Chair, R. Rainson submit a volunteer form to ANS Headquarters.

ANS-40.36 will now be under the management of ANS-27.

Action Item 11/01-18:  
J. Cohen will have working group chair, Don Gardner attend the NFSC June 2002 meeting.

Action Item 11/01-19:  
S. Ahmad will ask ANSI for an extension on ANS-57.5 and ANS-57.7.

ANS-57.9, Design Criteria for an Independent Spent Fuel Storage Installation (Dry Type) – R.H. Bryan believes that the NFSC does not need this standard.

ANS- 27.X, Criteria for Determination of Incidental Waste – this standard requires a working group

ANS-27.Y, Handling of Contaminated Injured Individuals – this standard is already addressed in C. Brown's standards. The NFSC doesn't need this standard. Based on this feeling a motion was passed to concur that the NFSC should not focus its energy on ANS-27.YY

Motion: The NFSC concurred that there is no need for standard ANS-27.YY (YY stands for whatever designation this standard is given). Motion made by M. Wright, second by D. Eggett, approved by NFSC membership.

**OLD BUSINESS**

**A. Standards for Discussion- T. Luke**

This was covered in section D of the Management Reports.

**B. Status of NFSC Glossary – R. Scott**

Shortly before the NFSC meeting, R. Scott sent an electronic and updated version of the NFSC Glossary to ANS Headquarters. Now that this new version is ready, it will be placed on the ANS website for NFSC review.

Action Item 11/01-20:

S. Ahmad will post the new version of the NFSC Glossary under a protective page on [www.ans.org](http://www.ans.org) for NFSC review and notify members to review and comment before June 1, 2002.

**C. ANS Website Update – Suriya Ahmad**

This was presented during the Secretary's Report

**D. Policies and Procedures Revisions- G. Wagner**

G. Wagner visited ANS Headquarters to review NUPPSCO's manual and the NUPPSCO/NFSC minutes of the past five to ten years. Apparently, there have not been any updates to the 1982 NUPPSCO manual. C.H. Moseley replied that Walt D'Ardenne drafted a new/updated manual some time in the late '80's.

Action Item 11/01-21:

C.H. Moseley will send G. Wagner, D. Spellman, T. Luke and S. Ahmad the drafts that Walt D'Ardenne produced.

Some significant issues that G. Wagner mentioned were the NUPPSCO/NFSC membership criteria; for instance, the number of meetings members are required to attend, and the number of ballots members are required to submit within the annual ballot closure (i.e., members should submit two-thirds of the total ballots within the calendar year).

These issues and others require the NFSC Chair and the NFSC committee's concurrence. Without proper justification, the committee will not be in compliance with its procedures. G. Wagner will also compare these documents with others for consistency, and he will incorporate gender neutrality in the new procedures manual.

Action: G. Wagner will provide NFSC Chair with a schedule for completion of the first draft of revisions to NFSC policies and procedures. Date: January 15, 2002

**E. Performance-Based Standards – N.P. Kadambi**

N.P. Kadambi gave his regrets that he did not prepare a report. He brushed up on the same statements that he gave during the June 2001 meeting.

**NEW BUSINESS**

**A. Proposed ANS standard on Control Room Habitability – M. Ruby  
(Appendix C, attachment 1)**

NEI assembled a task force of industry and NRC staff to draft technical document NEI-99-03. This document was to provide generic industry guidance addressing issues of control room in-leakage and habitability. Although it was hoped that the NRC would endorse the entirety of the NEI 99-03, five issues remain left to resolve between the industry and NRC. The issues are test methodology, control room smoke infiltration, toxic gas assessment, analysis methods, and technical specifications.

Since NEI cannot produce a mutually agreeable document, the NRC will issue a set of guidelines, borrowing from NEI 99-03. The guidance will include a generic letter, and four new REG Guides such as General Control Room Habitability; a parallel guideline to REG guide 1.183; Testing; and, Meteorological.

**B. Report from Site Cleanup and Restoration Standards Committee– Jas Devgun**

J. Devgun was unable to attend; thus no report was given.

**C. Standards Upgrade Marketing Consultant – D. Ross**

PBMR – NRC wants to be less prescriptive and more performance-oriented. There is fair prospect, but it depends if the utility decision to pursue.

HLW-PSA Standard – The NRC is not very interested in this standard. DOE expressed some interest, but they are concerned about the application phase. The only viable contact in DOE is the Yucca Mountain Project.

ECCS Standard – This seems to be a good prospect for 2002.

**This concludes the NFSC minutes for November 2001.**

Submitted By,

/S/

Suriya Ahmad,  
NFSC Secretary  
ANS Standards Administrator

## **Appendix A**

---

Attachment 1: ASME NQA Liaison Report

Attachment 2: Email from Anne Caldes, ANSI

Attachment 3: ANSI Procedures, page 16, section 4.1

Attachment 4: ANSI Procedures, page 7, section 1.3.1.2

## **Appendix B**

---

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 6: H. Chander's argument

Attachment 7: ANS-27: Fuel Cycle & Waste Management

## **Appendix C**

---

Attachment 1: Control Room Habitability