

1. Welcome and Call to Order

The meeting was called to order and introductions were made.

2. Approve Agenda

The agenda was approved without dissent.

3. Standards Discussion Meeting

A. Inquiry on ANSI/ANS 3.5

An inquiry on ANS-3.5, "Nuclear Power Plant Simulators for Use in Operator Training and Examination," related to testing was received. The ANS-3.5 Working Group has met and discussed the inquiry. Subsequently, the inquirer provided additional queries and the working group is considering a response.

B. ANS 3.2/NQA-1

ANS-3.2-200x, "Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants," was submitted to ANSI for final approval acknowledging the unresolved public objection. A response from ANSI can take up to three months, as it must be considered by the ANSI Board of Standards Review.

C. ANS 57.10-1996

ANSI/ANS-57.10-1996, "Design Criteria for Consolidation of LWR Spent Fuel," was submitted to ANSI for final approval of a reaffirmation with one negative from a consensus committee member.

D. ANS 57.2/57.3

Discussed under ANS-27 Subcommittee Report, Item 6G.

E. ANS-58.3

Working group members are needed with familiar of new technology for ANS-58.3, "Physical Protection for Nuclear Safety-Related Systems and Component." It needs to be updated with modular analysis techniques to evaluate hardware once system loads are defined. This standard will reach its sunset date on 10/28/08.

F. ANS 26 Subcommittee Project Plan

The Committee was informed about an International Organization for Standardization (ISO) meeting in Italy on emergency preparedness. The ISO meeting was arranged through New York University and ANSI to write an International Workshop Agreement (IWA) on emergency preparedness. The IWA is not just nuclear. ANS-26 Subcommittee Chair stated that we need to build off of our existing emergency preparedness standards. Revisions to the emergency preparedness standards should start with the one on training.

4. Management Reports

A. Executive Committee/Chair Report

Current NFSC Chair explained that he was giving up the position to take over the role of Standards Board Vice Chair and join the NRMCC as ANS representative. He will continue his international standards work and attend the upcoming SC-6 meeting in Ottawa, Canada.

He stated that he is trying to get SDOs together to consider what new standards or revisions are needed so they can be prioritized and assigned. He is working with the DOE to coordinate this effort and informed the Committee that he has received \$100,000 support from the DOE. Part will go to ANS-53.1 and to ANS-51.1/52.1/58.14. A revision of ANS-58.14 has been expedited. Once completed, revisions to ANS-51.1/52.1 will resume.

B. Secretary Reports

The following reports were provided:

- 1) Project Activity Report
- 2) Status of Standards Report
- 3) Delinquent Standards Report

The Committee was informed that the 2005 Standards Committee Report of Annual Activities was just completed. A copy would be available on the Standards Resource page of the ANS Web site. ANS received reaccreditation by ANSI on February 8, 2006, under new rules and procedures. These new rules and procedures are also available through the Standards Resources page of the ANS Web site along with revised policies.

C. Standards Coordinator

The Maintenance Hot List was reviewed. Many of the standards on the list were involved in revisions.

ANS-22 Subcommittee Chair stated that he felt ANSI/ANS-59.51-1997, "Fuel Oil Systems for Safety-Related Diesel Generators," and ANSI/ANS-59.52-1998, "Lubricating Oil Systems for Safety-Related Emergency Diesel Generators," are good standards that should be considered for reaffirmation.

ANS-24 Subcommittee Chair informed the Committee that ANSI/ANS-5.10-1998, "Airborne Release Fractions at Non-Reactor Nuclear Facilities," was reviewed by the working group chair and determined to be acceptable for reaffirmation. A reaffirmation statement was currently in works.

ANS-26 Subcommittee Chair stated that there have not been a lot of changes related to ANSI/ANS-3.8.7-1998, "Criteria for Planning, Development, Conduct, and Evaluation of Drills and Exercises for Emergency Preparedness." He will have someone review for reaffirmation potential.

ANS-27 Subcommittee Chair requested recommendations for individuals to review ANSI/ANS-57.7-1988 (R1997), "Design Criteria for an Independent Spent Fuel Storage Installation (Water Pool Type)," to determine the right move. Additionally he asked for help resolving comments left from the ballot on 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." The ANS-57.2/57.3 Working Group Chair gave up the position because he was transferred out of the country. Now back, he is unable to take on the responsibility due to a family illness. Volunteers with expertise in new fuel storage, wet storage, and spent fuel are needed.

Subcommittee chairs were assigned appropriate action items.

5. Election of New NFSC Chair

A nominating committee was formed to select a nominee for the NFSC Chair position. The nominee was unanimously elected as new NFSC Chair.

6. Subcommittee Reports

A. ANS-21 Nuclear Power Plant Design Criteria & Operations

It was reported that not a lot of activity was going on in ANS-21 other than what was previously discussed under the Standards Coordinator Report. Many standards will need to be active in the near future. A PINS has been generated to reinvigorate ANS-4.5, "Criteria for Accident Monitoring Functions in Light-Water-Cooled Reactors." The ANS-21 Subcommittee Chair will review before submitting it for committee approval. ANSI/IEEE 497-2002, "Standard Criteria for Accident Monitoring Instrumentation for Nuclear Generating Stations," will be reviewed to see if how it relates to ANS-4.5. It was recommended to get NRC involvement on ANS-4.5.

B. ANS-22 Nuclear Power System Level Design

ANS-22 Subcommittee Chair informed the Committee that ANSI/ANS-58.8-1994 (R1999), "Time Response Design Criteria for Safety-Related Operator Actions," would be submitted for extension. Current active projects include ANS-58.14, "Safety and Pressure Integrity Classification Criteria for Light Water Reactors," ANS-51.1, "Nuclear Safety Criteria for the Design of Stationary Pressurized Water Reactor Plants," and ANS-52.1, "Nuclear Safety Criteria for the Design of Stationary Boiling Water Reactor Plants," pertaining to classifications of SSCs. A recent initiative was started to reinvigorate ANS-58.14 as the NRC is currently receiving new license applications referencing ANS-58.14. A PINS for ANS-58.14 was sent to the NFSC. The ANS-51.1/ANS-52.2 working group is considering a new risk informed standard for classifications as including this information in ANS-51.1/ANS-52.1 would make it quite large and difficult to gain NRC endorsement.

C. ANS-23 Decommissioning and Site Remediation

ANS-23 Subcommittee Chair explained that ANS-3.12.1, "Decommissioning of Nuclear Production and Utilization Facilities: Defueled Security Plan," has been delayed indefinitely because of 9/11 threats. Although in limbo, the project should be kept open. An initial draft of ANS-3.12.2, "Decommissioning of Nuclear Production and Utilization Facilities: Defueled Safety Analysis Report and Emergency Plan," was written a few years ago but not completed before the chair resigned. No current working group exists. The draft of ANS-3.12.3, "Decommissioning of Nuclear Production and Utilization Facilities: Operator Training," should be to the NFSC for ballot by the November 2006 meeting.

The Committee was reminded that ANS-41.5, "Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation," was currently out for NFSC ballot with an extended due date of June 15, 2006. Comments already received indicate the draft reads more like a textbook than a standard. The draft will need to be revised so that an adequate level of guidance is provided without too much background. The draft also needs to be reviewed for appropriate use of should, shall, and may. A second ballot will be needed.

D. ANS-24 Analysis

ANS-24 Subcommittee Chair provided an update on current standards and active projects. He said that a revision to ANS-5.4-1982; W1982, "Method for Calculating the Fractional

Release of Volatile Fission Products from Oxide Fuel,” was in the works with a draft expected soon. ANSI/ANS-5.10-1998, “Airborne Release Fractions at Non-Reactor Nuclear Facilities,” will be submitted for reaffirmation. ANSI/ANS-18.1-1999, “Radioactive Source Term for Normal Operation of Light Water Reactors,” is under revision. The working group is looking for input from utilities for current information on releases. A review of Regulatory Guide 1.21, “Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water-Cooled Nuclear Power Plants,” was suggested.

The ANS-58.2 working group received approximately 600 pages of comments from the ACRS. They do not plan to respond but will update the methodologies with the revision in works. The working group is also preparing errata and a clarification.

E. ANS-25 Siting

The Committee was informed of a new subcommittee chair to manage the 21 active projects under ANS-25. A few are in need of a working group chairs to proceed. A draft of ANS-2.3, “Determining Tornado and Other Extreme Wind Characteristics at Nuclear Facility Sites,” is possible by the end of 2006. The NRC would like both standards, ANS-2.9, “Evaluation of Ground Water Supply for Nuclear Facilities,” and ANS-2.17, “Evaluation of Radionuclide Transport in Ground Water for Nuclear Facilities.” out as soon as possible. A first draft is expected to ANS-25 within a few months.

Standards projects ANS-2.15, “Criteria for Modeling and Calculating Atmospheric Transport of Routine Releases from Nuclear Facilities,” ANS-2.16, “Criteria for Modeling Design-Basis Accidental Releases from Nuclear Facilities,” ANS-2.21, “Criteria for Assessing Atmospheric Effects on the Ultimate Heat Sink,” and ANS-3.8.10, “Criteria for Modeling Real-time Accidental Release Consequences at Nuclear Facilities,” all deal with atmosphere transference. ANS-2.15 is almost done. Once completed the combined working group will start on ANS-2.16.

The ANS-2.22, “Environmental Radiological Monitoring at Nuclear Facilities,” working group is hoping to have a draft by fall of 2006. ANS-2.27, “Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments,” was out to ballot with a 30-day extension. ANS-2.29, “Probabilistic Seismic Hazard Analysis,” is hoping to have a draft by the end of the year. ANS-2.30, “Assessing Capability for Surface Faulting at Nuclear Facilities,” has completed the PINS process and is working on writing the draft. ANSI/ANS-3.11-2005, “Determining Meteorological Information at Nuclear Facilities,” is being proofed for publication. A PINS has been drafted for ANS-40.21, “Siting and Operation of Commercial Burial Grounds,” and should be to the NFSC soon.

F. ANS-26 Emergency Planning

ANS-26 Subcommittee Chair stated that he had hoped to get the 3.8 series working group chair more involved. At present not much has been done. ANSI/ANS-3.8.7-1998, “Criteria for Planning, Development, Conduct, and Evaluation of Drills and Exercises for Emergency Preparedness,” will be considered for reaffirmation. It was stated that ANSI/ANS-3.8.7 would be good candidate for an international standard. A need for new standards may be identified once revisions of the emergency preparedness standards get underway.

G. ANS-27 Fuel Cycle and Waste Management

ANS-27 Subcommittee Chair explained that ANS-40.37 is being reinvigorated. Individuals using ANS-40.37 were very anxious for a current standard and formed a working group. PINS for ANS-40.37 have been drafted and need to be reviewed before submitting to NFSC. Three volunteers signed up to work on ANS-40.35, "Volume Reduction of Low-Level Radioactive Waste or Mixed Waste."

ANSI/ANS-57.1-1992 (R2005) was reaffirmed last year with the understanding that a revision would be started. Comments received during the reaffirmation ballot will be reviewed to determine the necessity and priority of the revision.

A Recycle Technical Standards Steering Committee was formed and NFSC members invited to join. It was recommended to coordinate with AIChE & NRC.

H. ANS-28 Gas-Cooled Reactor Standards

ANS-28 Subcommittee Chair provided an update on ANS-53.1, "Nuclear Safety Criteria for the Design of Modular Helium-Cooled Reactor Plants." While the work continues, the group is struggling to get organized and determine best method to classify criteria. The ANS-53.1 Working Group scheduled a meeting June 7 and 8, 2006, during the June ANS meeting. They are hoping for a draft to NFSC by the end of year. At that point, a priority list will be determined for additional gas cooled reactor standards.

7. Action Items

Old action items were reviewed.

8. Liaison Reports

A. NQA

A written ASME/NQA report was provided.

B. ANSI

The Committee was informed that ANSI was considering establishing a code of ethics for standards volunteers to attest to their participation in consensus standards for the good of industry not as a way of benefiting their personal interests or an individual organization.

C. NRMCC

No news to report at this time.

E. TC 85/SC-6

SC-6 would be meeting in conjunction with TC85 in Ottawa in June 2006. Two panel sessions were planned. One is on harmonization of international standards with American National Standards. The other is a meeting with IAEA to review the ISO/IAEA MOU. Technical documents incorrectly identified as standards will be discussed. Previous standards rejected because of lack of interest will be resubmitted once SC-6 is better organized.

F. CSA

An update on the coordination with CSA was provided.

9. Old Business

A. Chairman's Challenge

The Committee was reminded to identify potential new Standards Committee members and provide names and contact information to the Standards Administrator. Several members provided leads at the meeting.

10. New Business

A. ANS Strategic Plan

The Standards Committee goal is to expand resources for professional development and knowledge exchange, expand the range of standards development and cooperation, increase ANS involvement in and provide leadership to ISO/TC85 through SC-6, and work with ANS governance for more standards participants.

Following through with the goal of working with ANS governance to increase participation in standards, the new NFSC Chair stated that he would discuss with Professional Division Committee (PDC) a new rule to assign a standards representative from each division.

B. NFSC Tool Kit

The NFSC Tool Kit is being revised in hopes of it providing guidance to working groups so that draft standards were prepared appropriately. A statement about NRC participation on working groups will be added. The toolkit could also be used as a training packet.

In addition to a revised tool kit, the Committee felt it would be beneficial to require some training for new members. A process for turning over information to new subcommittee chairs was recommended.

11. Other Business

A. NFSC Administrative Matters

It was proposed that the NFSC Chair does not review standards at ballot. Instead the chair would review committee comments before providing permission to close the ballot. The benefit would be to free up time for the chair to manage the Committee.

Reviewing the ballot participation report, members noticed that only a few individuals were providing comments on many drafts. There were too many approved without comment. A two-step review process was suggested where initially the draft would be skimmed checking for specific items using a checklist. Then the draft would be reviewed a second time for technical merit.

Subcommittee Chairs were requested to get reports from their working group chairs prior to each NFSC meeting. The working group chair reports could then be compiled into a subcommittee report and provided to the NFSC at each meeting.

B. ANS Position Statement

The Committee was informed of errors in an ANS position statement on nuclear facility safety standards. The statement referred to IAEA technical documents as international standards and did not mention ANS standards. A member of the Public Policy Committee would be stopping by the Standards Board meeting to discuss and correct this issue.

12. Review of Action Items from this meeting

New action items were reviewed.

The meeting was adjourned at 5:00 p.m. PDT.