Standards Committee

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May 9, 2011

Mr. Michael J. Case, Standards Executive
U.S. Nuclear Regulatory Commission
M/S 10M5
Washington, DC 20555-0001

Subject: Letter of notification of ANSI approved standards for NRC review and potential endorsement

Dear Mr. Case:

The American Nuclear Society (ANS), a standards development organization under the auspices of the American National Standards Institute (ANSI), is pleased to provide you with electronic copies of ANS standards that have been recently approved or reaffirmed by ANSI. We request that these standards be reviewed by NRC staff and considered for endorsement to facilitate use in the regulatory process. Accordingly, please feel free to distribute the electronic copies to your staff as necessary. If one or more of these standards are found to merit application in the regulatory framework, we would very much appreciate your informing us so we can update our records. It should be noted that copies of new standards (not reaffirmations) are unedited versions. Recently approved standards include the following:

ANSI/ANS-2.3-2011, "Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites," received ANSI approval as a new American National Standard on April 22, 2011. This standard establishes guidelines to estimate the frequency of occurrence and the magnitude of parameters associated with rare meteorological events such as tornadoes, hurricanes, and extreme straight line winds at nuclear facility sites within the continental United States. The parameters addressed include: maximum wind speed (e.g. translational, rotational, and total), maximum atmospheric pressure drop, and design basis missile characteristics. Recommended values of these parameters are provided. This standard does not address the forces on structures that result from these physical phenomena. This standard supersedes historical standard ANSI/ANS-2.3-1983.

ANSI/ANS-5.4-2011, "Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel," received ANSI approval as a new standard in May 2011. This standard provides an analytical method for calculating the release of volatile fission products from uranium dioxide (UO_2) fuel pellets during normal reactor operation. When used with nuclide yields, this method will give the release-to-birth ratio, R/B, or the so-called "gap release," which is the inventory of volatile radioactive fission products that could be available for release from the fuel rod if the cladding were breached. This standard supersedes historical standard ANSI/ANS-5.4-1982.

ANSI/ANS-8.21-1995 (R2011), "Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors" received ANSI approval for a reaffirmation of this

standard in May 2011. This standard provides guidance for the use of fixed neutron absorbers, including Raschig rings or similar absorbers as an integral part of nuclear facilities or fissionable materials process equipment outside reactors, where such absorbers provide criticality safety control. The reaffirmation of this standard was process to maintain its status as a current American National Standard while a revision is completed.

ANSI/ANS-58.14-2011, "Safety and Pressure Integrity Classification Criteria for Light Water Reactors," received ANSI approval as a new standard on April 22, 2011. This standard specifies criteria for the safety classification of items (structures, systems, and components and parts, including consumables) in a light water reactor nuclear power plant as safety-related, non-safety-related with augmented requirements, or non-safety-related. In addition, pressure integrity classification criteria are provided for the assignment of Classes 1, 2, 3, 4, or 5 to pressure-retaining items. This standard supersedes historical standard ANSI/ANS-58.14-1993.

If you have any questions or would like hard copies of these standards, feel free to contact me or Ms. Pat Schroeder, ANS Standards Administrator, by telephone at 708-579-8269 or by e-mail at pschroeder@ans.org.

Sincerely,

N. Prasad Kadambi, Ph.D.
ANS Standards Board Chair
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Enclosures

Cc: Donald J. Spellman, ANS Standards Board Vice Chair
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