November 1, 2001

Dr. Belinda L. Collins, Chair
Interagency Committee on Standards Policy
National Institute of Standards and Technology
100 Bureau Drive
Bldg. 820, Room 282
Gaithersburg, MD 20899-2100

Dear Dr. Collins:

Enclosed is the Nuclear Regulatory Commission's annual report on its participation in the development and use of voluntary consensus standards as required by OMB Circular A-119, "Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities." The annual report covers the period October 1, 2000, through September 30, 2001. This report has also been transmitted to you by e-mail.

If you have any questions concerning the enclosed report, please contact Wallace E. Norris, of my staff, at (301) 415-6796 or at wen@nrc.gov.

Sincerely,

/RA/

Michael E. Mayfield
NRC Standards Executive

Enclosure: As stated

Distribution:

P. Norry	S. Reiter
C. Paperiello	J. Funches
W Kane	J. Craig
B. Sheron	F. Cherny

DOCUMENT NAME: G:\Norris\OMB\ANNtoOMB.fy01
OAR in ADAMS? (Y or N) Y ADAMS ACCESSION NO: ML013090191 TEMPLATE NO. RES: 006
Publicly Available? (Y or N) Y DATE OF RELEASE TO PUBLIC 11/09/2001 SENSITIVE? Non
To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy * see previous concurrence

OFFICE	DET/RES	C:MEB/DET/RES	D:DET/RES	
NAME	W.Norris *	N.Chokshi *	M.Mayfield	
DATE	10/25/01	10/26/01	11/01 /01	

OFFICIAL RECORD COPY RES File Code 5-A-11

A/10

Enclosure

U.S. Nuclear Regulatory Commission
Annual Report for
Implementation of P.L. 104-113 and OMB Circular A-119
October 1, 2000 - September 30, 2001

The Nuclear Regulatory Commission (NRC) has been an active participant in the development and use of consensus standards since its establishment in 1975. The Commission's Strategic Assessment and Rebaselining Initiative in 1996 further increased NRC's focus on the use of standards. For nuclear reactor and nuclear materials safety, the strategy is to increase the involvement of licensees and others in the NRC regulatory process consistent with Public Law 104-113, "National Technology Transfer and Advancement Act of 1995" (P. L. 104-113). To do this, NRC will continue to encourage industry to develop codes, standards, and guides that NRC can endorse and the industry can carry out.

In FY 2001, NRC took several actions to increase the effectiveness and efficiency of our process for implementing P. L. 104-113 and OMB Circular A-119, "Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities." On January 17, 2001, NRC staff met with representatives from the standards development organizations (SDOs) who provide codes and standards for the nuclear industry. The NRC has been hosting these meetings on a semi-annual basis. The purpose of these meetings is to foster better communication and discuss standards under development, current needs, and priorities. The SDOs that the Department of Energy (DOE) interacts with are, in many cases, the same as the NRC. Thus, NRC and DOE decided to co-host a meeting, which was held on June 27, 2001. This joint format proved to be very beneficial, and the meeting participants requested that NRC and DOE co-host the next meeting. Hence, a joint NRC/DOE meeting has been scheduled for January 2002.

Consistent with NRC Management Directive 6.5, "NRC Participation in the Development and Use of Consensus Standards," which was created to provide direction to the NRC staff for implementing P. L. 104-113 and OMB Circular A-119, web-based training has been developed for NRC staff connected with the use of standards. The purpose of the training is to explain the requirements of P. L. 104-113 and OMB Circular A-119 in detail and provide guidance to the NRC staff relative to organizational responsibilities.

The NRC website [http://nrcweb.nrc.gov/NRC/REFERENCE/STANDARDS/], contains, among other things, the SDOs with which the agency interfaces, consensus standards used by the NRC, and NRC staff representatives on SDO committees.

The NRC response to the reporting provisions of OMB Circular A-119 is as follows.

1) Identification of all instances when the agency used government-unique standards in lieu of voluntary consensus standards (for each instance include agency rationale for such use, as well as the specific government-unique standard used).

During FY 2001, no government-unique standards were used by NRC in lieu of

existing voluntary consensus standards.

2) The number of voluntary standards the agency adopted between October 1, 2000, and September 30, 2001, based on the procedures set forth in Sections 11 and 12 of the Circular.

A. Standards adopted

During this reporting period, the NRC adopted 64 voluntary standards; four American Nuclear Society standards, three American Society of Mechanical Engineers standards, eight American Society for Testing and Materials standards, three Institute of Electronic and Electrical Engineers standards, and forty-six National Fire Protection Association consensus standards. It should be noted that standards which have not been generically approved for use by all licensees have not been listed (i.e., when one licensee requests permission and receives regulatory approval to use a specific standard).

B. Identify those instances where, consistent with interim guidance, requests were made in proposed rulemaking for public comment on the use of consensus standards or information was provided in the final rulemaking regarding public comment on the use of consensus standards.

Information regarding public comment on the use of consensus standards was provided in the following proposed rulemaking: "10 CFR Part 50, "Industry Codes and Standards," 66 FR 40626, August 3, 2001.

3) Identification of voluntary consensus standards that have been substituted for government-unique standards as a result of an agency review under Section 15(b)(7) of the Circular.

No voluntary consensus standards were substituted by NRC for a government-unique standard in FY 2001.

4) The number of voluntary consensus standards bodies in which there is agency participation, as well as the number of agency employees participating.

During FY 2001, 139 NRC staff participated within 18 SDOs on a total of 261 standards writing, consensus, and board-level committees.

5) An evaluation of the effectiveness of Circular A-119 policy and recommendations for any changes.

The policy guidelines provided in OMB Circular A-119 for participating in voluntary consensus standards bodies and using voluntary consensus standards are generally consistent with longstanding NRC practices. The staff believes that these guidelines provide appropriate direction and encouragement for Federal agencies to develop internal agency-wide guidelines to implement P. L. 104-113 and OMB Circular A-119. These

guidelines also provide sufficient and reasonable flexibility for each agency to make an independent case-by-case determination as to the usability of a particular standard within that agency's scope and responsibility.

Standards Endorsed by NRC
October 1, 2000 - September 30, 2001

SDO[1]	Standard Identifier	Year	Title	Method of Endorsement[2]
ANS	N13.30	1996	Performance Criteria for Radiobioassay	NUREG-1556 Series
ANS	N14.5	1997	Leakage Test on Packages for Shipment	NUREG-1745
ANS	N449	1974	Guidelines for Maintaining Cobalt-60 and Cesium-137 Teletherapy Equipment	NUREG-1556 Series
ANS	N538	1979	Classification of Industrial Ionizing Radiation Gauging Devices	NUREG-1556 Series
ASME	AG-1	1997	Code on Nuclear Air and Gas Treatment	R.G. 1.52
ASME	N509	1989	Nuclear Power Plant Air-Cleaning Units and Components	R.G. 1.52
ASME	N510	1989	Testing of Nuclear Air-Treatment Systems	R.G. 1.52
ASTM	D2859	1996	Standard Test Method for Flammability of Finished Textile Floor Covering Materials	R.G. 1.189
ASTM	E-84	2001	Standard Test Method for Surface Burning Characteristics of Building Materials	R.G. 1.189
ASTM	E-119	2000	Standard Test Methods for Fire Tests of Building Construction and Materials	R.G. 1.189
ASTM	E-181	1983	Standard General Methods for Detector Calibration and Analysis of Radionuclides	R.G. 1.190
ASTM	E-814	2000	Standard Test Method for Fire Tests of Through-Penetration Fire Stops	R.G. 1.189
ASTM	E-844	1986	Standard Guide for Sensor Design and Irradiation for Reactor Surveillance	R.G. 1.190

SDO[1]	Standard Identifier	Year	Title	Method of Endorsement[2]
ASTM	E-910	1995	Standard Test Method for Application and Analysis of Helium Accumulation Fluence Monitors for Reactor Vessel Surveillance	R.G. 1.190
ASTM	E-1005	1984	Standard Test Method for Application and Analysis of Radiometric Monitors for Reactor Vessel Surveillance	R.G. 1.190
IEEE	383	1994	Standard for Type Test of Class 1E Electric Cables, Field Splices, and Connections for Nuclear Power Generating Stations	R.G. 1.189
IEEE	835	1974	Standard Power Cable Ampacity Tables	R.G. 1.189
IEEE	1202	1991	Standard for Flame Testing of Cables for Use in Cable Trays in Industrial and Commercial Occupancies	R.G. 1.189
NFPA	1	2000	Fire Prevention Code	R.G. 1.189
NFPA	11	1998	Standard for Low-Expansion Foam	R.G. 1.189
NFPA	11A	1999	Standard for Medium- and High-Expansion Foam Systems	R.G. 1.189
NFPA	12	2000	Standard on Carbon Dioxide Extinguishing Systems	R.G. 1.189
NFPA	12A	1997	Standard on Halon 1301 Fire Extinguishing Systems	R.G. 1.189
NFPA	13	1994	Installation of Sprinkler Systems	R.G. 1.191
NFPA	14	2000	Standard for the Installation of Standpipe and Hose Systems	R.G. 1.191
NFPA	15	1996	Standard for Water Spray Fixed Systems for Fire Protection	R.G. 1.189
NFPA	16	1999	Standard for the Installation of Deluge Foam-Water Sprinkler and Foam-Water Spray Systems	R.G. 1.189
NFPA	17	1998	Standard for Dry Chemical Extinguishing Systems	R.G. 1.191
NFPA	17A	1998	Standard for Wet Chemical Extinguishing Systems	R.G. 1.191

SDO[1]	Standard Identifier	Year	Title	Method of Endorsement[2]
NFPA	20	1999	Standard for the Installation of Centrifugal Fire Pumps	R.G. 1.189
NFPA	22	1998	Standard for Water Tanks for Private Fire Protection	R.G. 1.189
NFPA	24	1995	Standard for the Installation of Private Fire Service Mains and Their Appurtenances	R.G. 1.189
NFPA	25	1998	Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems	R.G. 1.191
NFPA	30	2000	Flammable and Combustible Liquids Code	R.G. 1.52
NFPA	50A	1999	Standard for Gaseous Hydrogen Systems at Consumer Sites	R.G. 1.189
NFPA	50B	1999	Standard for Liquefied Hydrogen Systems at Consumer Sites	R.G. 1.189
NFPA	51B	1999	Standard for Fire Prevention in Use of Cutting and Welding Processes	R.G. 1.189
NFPA	54	1999	National Fuel Gas Code	R.G. 1.189
NFPA	55	1998	Use and Handling of Compressed and Liquefied Gases in Portable Cylinders	R.G. 1.191
NFPA	58	2001	Liquefied Petroleum Gas Code	R.G. 1.189
NFPA	70	1999	National Electrical Code	R.G. 1.189
NFPA	72	1999	National Fire Alarm Code	R.G. 1.189
NFPA	75	1999	Standard for the Protection of Electronic Computer/Data Processing Equipment	R.G. 1.189
NFPA	80	1999	Standard for Fire Doors and Fire Windowns	R.G. 1.189
NFPA	80A	1996	Recommended Practice for Protection of Buildings from Exterior Fire Exposures	R.G. 1.189

SDO[1]	Standard Identifier	Year	Title	Method of Endorsement[2]
NFPA	90A	1999	Standard for the Installation of Air Conditioning and Ventilating Systems	R.G. 1.189
NFPA	101	2000	Code for Safety to Life from Fire in Buildings and Structures	R.G. 1.191
NFPA	204	1998	Guide for Smoke and Heat Venting	R.G. 1.189
NFPA	221	2000	Standard for Fire Walls and Fire Barrier Walls	R.G. 1.189
NFPA	253	2000	Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	R.G. 1.189
NFPA	259	1998	Standard Test Method for Potential Heat of Building Materials	R.G. 1.189
NFPA	299	1997	Standard for Protection of Life and Property from Wildfire	R.G. 1.189
NFPA	600	2000	Standard on Industrial Fire Brigades	R.G. 1.189
NFPA	701	1999	Standard Methods of Fire Tests for Flame-Resistant Textiles and Films	R.G. 1.189
NFPA	703	2000	Standard for Fire Retardant Impregnated Wood and Fire Retardant Coatings for Building Materials	R.G. 1.189
NFPA	750	2000	Standard on Water Mist Fire Protection Systems	R.G. 1.189
NFPA	801	1998	Standard for Facilities Handling Radioactive Materials	R.G. 1.191
NFPA	1404	1996	Standard for a Fire Department Self-Contained Breathing Apparatus Program	R.G. 1.189
NFPA	1410	2000	Standard on Training for Initial Fire Attack	R.G. 1.189
NFPA	1500	1997	Fire Department Occupational Safety and Health Program	R.G. 1.191
NFPA	1620	1998	Recommended Practice for Pre-Incident Planning	R.G. 1.189
NFPA	1961	1997	Standard on Fire Hose	R.G. 1.189

SDO[1]	Standard Identifier	Year	Title	Method of Endorsement[2]
NFPA	1962	1998	Standard for the Care, Use, and Service Testing of Fire Hose Including Couplings and Nozzles	R.G. 1.189
NFPA	2001	2000	Standard on Clean Agent Fire Extinguishing Systems	R.G. 1.189

1. SDO: Standards Developing Organization
   ANS: American Nuclear Society
   ASME: American Society of Mechanical Engineers
   ASTM: American Society for Testing and Materials
   IEEE: Institute of Electrical and Electronics Engineers
   ISA: Instrument Society for Measurement and Control

2. Regulatory Guide 1.52, "Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Post-Accident Engineered-Safety-Feature Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants"
   Regulatory Guide 1.189, "Fire Protection for Operating Nuclear Power Plants"
   Regulatory Guide 1.190, "Caluclational and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence"
   Regulatory Guide 1.191, "Fire Protection Program for Nuclear Power Plants During Decommissioning and Permanent Shutdown"
   NUREG-1556, "Consolidated Guidance About Materials Licenses"
   NUREG-1775, "Standard Format and Content for Technical Specifications for 10 CFR Part 72 Cask Certificates of Compliance"