

## **REGULATIONS AND AMENDMENTS PUT INTO EFFECT - FY 1999**

### **Minor Revision of Design Basis Accident Dose Limits for Independent Spent Fuel Storage and Monitored Retrievable Storage Installations - Part 72**

On October 13, 1998 (63 FR 54559), the NRC published an amendment to its regulations, effective November 12, 1998, which amends the design-basis accident dose limits of Independent Spent Fuel Storage Installations and Monitored Retrievable Storage Installations to conform to the dose calculational methodology currently used in the regulations that specify standards for protection against radiation and makes a minor change to match the Environmental Protection Agency's regulations.

### **Criticality Accident Requirements - Parts 50 and 70**

On November 12, 1998 (63 FR 63127), the NRC published an amendment to its regulations, effective December 14, 1998, giving licensees of light-water nuclear power reactors greater flexibility in meeting the requirement that licensees authorized to possess more than a small amount of special nuclear material maintain a criticality monitoring system in each area in which the material is handled, used, or stored.

### **Streamlined Hearing Process for NRC Approval of License Transfers - Parts 2 and 51**

On December 3, 1998 (63 FR 66721), the NRC published an amendment to its regulations, effective immediately, to provide specific uniform procedures and rules of practice for handling requests for hearings associated with license transfer applications involving material and reactor licenses, as well as licenses issued under the regulations governing the independent storage of spent nuclear fuel and high-level radioactive waste.

### **Transfer of Rulemaking Functions - Part 1**

On December 17, 1998 (63 FR 69543), the NRC published an amendment to its regulations, effective immediately, to reflect the transfer of the rulemaking functions and responsibilities from the Office of Nuclear Regulatory Research to the Office of Nuclear Material Safety and Safeguards and the Office Nuclear Reactor Regulation.

### **Procedures Applicable to Proceedings for the Issuance of Licenses for the Receipt of High-Level Radioactive Waste at a Geologic Repository - Part 2**

On December 30, 1998 (63 FR 71729), the NRC published an amendment to its regulations, effective January 29, 1999, to allow application of technological developments that have occurred after the original rule was adopted in 1989, while achieving the original goals of facilitating the NRC's ability to comply with the schedule for decision on the construction authorization for the repository contained in Section 114(d) of the Nuclear Waste Policy Act and providing for a thorough technical review of the license application and equitable access to information for the parties to the hearing.

### **Changes to Quality Assurance Programs - Part 50**

On February 23, 1999 (64 FR 9030), the NRC published an amendment to its regulations, effective April 26, 1999, to permit power reactor licensees to make certain quality

assurance program changes without obtaining NRC approval of these changes in advance. The companion proposed rule was published on February 23, 1999 (64 FR 9035).

### **Frequency of Reviews and Audits for Emergency Preparedness Programs, Safeguards Contingency Plans, and Security Programs for Nuclear Power Reactors - Parts 50 and 73**

On March 29, 1999 (64 FR 14814), the NRC published an amendment to its regulations, effective April 28, 1999, to allow nuclear power reactor licensees the option to change the frequency of independent reviews and audits of their emergency preparedness programs, safeguard contingency plans, and security programs.

### **Conformance to National Policies for Access to and Protection of Classified Information - Parts 2, 10, 11, 25, and 95**

On April 1, 1999 (64 FR 15636), the NRC published an amendment to its regulations to conform the requirements for the protection of and access to classified information to new national security policy documents. This amendment, effective May 3, 1999, is necessary to ensure that classified information in the possession of NRC licensees, certificate holders, and others under the NRC's regulatory requirements is protected in accordance with current national policies.

### **Radiological Criteria for License Termination of Uranium Recovery Facilities - Part 40**

On April 12, 1999 (64 FR 17506), the NRC published an amendment to its regulations, effective June 11, 1999, regarding decommissioning of licensed thorium mills and uranium recovery facilities to provide specific radiological criteria for the decommissioning of lands and structures.

### **Elimination of Reporting Requirement and 30-Day Hold in Loading Spent Fuel After Preoperational Testing of Independent Spent Fuel Storage or Monitored Retrievable Storage Installation - Part 72**

On April 12, 1999 (64 FR 17510), the NRC published an amendment to its regulations, effective May 12, 1999, to eliminate the requirement that a report of the preoperational testing of an independent spent fuel storage installation or monitor retrievable storage installation be submitted to the NRC at least 30 days before the receipt of spent fuel or high-level radioactive waste.

### **Codes and Standards: IEEE National Consensus Standard - Part 50**

On April 13, 1999 (64 FR 17944), the NRC published an amendment to its regulations, effective May 13, 1999, to incorporate by reference IEEE Std. 603-1991, a national consensus standard for power, instrumentation, and control portions of safety systems in nuclear power plants.

## **Initial Licensed Operator Examination Requirements - Part 55**

On April 23, 1999 (64 FR 19868), the NRC published an amendment to its regulations, effective October 20, 1999, to allow nuclear power facility licensees to prepare, proctor, and grade the required operating tests that the NRC uses to evaluate the competence of individuals applying for operator licenses at those plants.

## **Government in the Sunshine Act Regulations - Part 9**

On May 10, 1999 (64 FR 24936), the NRC published a notice announcing its intent to implement a final rule published and made effective on May 21, 1985 (50 FR 20889), that amended its regulations applying the Government in the Sunshine Act. This action is necessary to complete resolution of this issue.

## **Formal and Informal Adjudicatory Hearing Procedures; Clarification of Eligibility To Participate - Part 2**

On June 1, 1999 (64 FR 29212), the NRC published an amendment to its regulations, effective August 2, 1999, to clarify that Federally recognized Indian tribal governments are entitled to participate in these proceedings on the same basis as other governmental units. The companion proposed rule was published on June 1, 1999 (64 FR 29246).

## **Informal Hearing Procedures for Adjudications in Materials and Operator Licensing Proceedings: Minor Amendments - Part 2**

On June 1, 1999 (64 FR 29213), the NRC published an amendment to its regulations, effective immediately, to correct a cross-referencing error in the provisions concerning the method of filing documents and to change the method of service of pleadings on the NRC staff.

## **Revision of Fee Schedules; 100% Fee Recovery, FY 1999 - Parts 170 and 171**

On June 10, 1999 (64 FR 31448), the NRC published an amendment to its regulations, effective August 9, 1999, to implement the Omnibus Budget Reconciliation Act of 1990 (OBRA-90), as amended, which mandates that the NRC recover approximately 100 percent of its budget authority in Fiscal Year 1999, less amounts appropriated from the Nuclear Waste Fund.

## **Miscellaneous Changes to Licensing Requirements for the Independent Storage of Spent Nuclear Fuel and High-Level Radioactive Waste - Part 72**

On June 22, 1999 (64 FR 33178), the NRC published an amendment to its regulations to correct several inconsistencies and to clarify certain sections of its regulations pertaining to the storage of spent fuel and high-level radioactive waste. The amendments, effective August 23, 1999, differentiate the requirements for the storage of spent fuel under wet and dry conditions, clarify requirements for the content and submission of various reports, and specify that quality assurance records must be maintained as permanent records when identified with activities and items important to safety.

## **Monitoring the Effectiveness of Maintenance at Nuclear Power Plants - Part 50**

On July 19, 1999 (64 R 38551), the NRC published an amendment to its regulations to require that licensees assess the effect of equipment maintenance on the plant's capability to perform safety functions before beginning maintenance activities on structures, systems, and components within the scope of the maintenance rule. These amendments become effective 120 days after issuance of Revision 3 to Regulatory Guide 1.160, "Monitoring the Effectiveness of Nuclear Power Plants."

## **Requirements for Those Who Possess Certain Industrial Devices Containing Byproduct Material To Provide Requested Information - Part 31**

On August 4, 1999 (64 FR 42269), the NRC published an amendment to its regulations to add an explicit requirement that general licensees, who possess certain measuring, gauging, or controlling devices that contain byproduct material, provide the NRC with information concerning these devices. This amendment, effective October 4, 1999, is intended to help ensure that devices containing byproduct material are maintained and transferred properly and are not advertently discarded.

## **Certification Renewal and Amendment Processes - Part 76**

On August 17, 1999 (64 FR 44645), the NRC published an amendment to its regulations governing the U.S. Enrichment Corporation's gaseous diffusion plants to modify the certification renewal and amendment processes. The amendment, effective September 16, 1999, modifies the process for certificate renewals, establishes a process for certificate amendments comparable to the process currently used to amend a fuel cycle license, revises the appeal process for amendments, eliminates the "significant" designation for amendments, simplifies the criteria for persons who are eligible to file a petition for review of an amendment action, removes references to the initial application because the initial certificates have been issued, and lengthens the time periods associated with filing a petition for review.

## **List of Approved Spent Fuel Storage Casks: (HI-STAR 100) Addition - Part 72**

On September 3, 1999 (64 FR 48259), the NRC published an amendment to its regulations, effective October 4, 1999, to add the Holtec International HI-STAR 100 cask system to the list of approved spent fuel storage casks.

## **Changes to Requirements for Environmental Review for Renewal of Nuclear Power Plant Operating Licenses - Part 51**

On September 3, 1999 (64 FR 48496), the NRC published an amendment to its regulations, effective October 4, 1999, to add to findings concerning the cumulative environmental impacts of convergence of spent fuel shipments on a single destination, rather than multiple destinations, and the environmental impact of transportation of higher enriched and higher burnup spent fuel during the renewal term.

## **Electronic Availability of NRC Public Records and Ending of NRC Local Public Document Room - Parts 1, 2, 7, 9, 50, 51, 52, 60, 62, 72, 75, 76, 100, and 110**

On September 9, 1999 (64 FR 48942), the NRC published an amendment to its regulations, effective October 12, 1999, to reflect the NRC's decision to implement a new document management system that permits the electronic storage, retrievable, and online ordering of publicly available NRC official records through the NRC website.

### **List of Approved Spent Fuel Storage Casks: (VSC-24) Revision - Part 72**

On September 22, 1999 (64 FR 51187), the NRC published an amendment to its regulations, effective December 6, 1999, revising the Pacific Sierra Nuclear Associates VSC-24 cask system listing within the "List of Approved Spent Fuel Storage Casks" to include Amendment No. 1 to the Certificate of Compliance. The companion proposed rule was published on September 22, 1999 (64 FR 51270).

### **Industry Codes and Standards; Amended Requirements - Part 50**

On September 22, 1999 (64 FR 51370), the NRC published an amendment to its regulations, effective November 22, 1999, to incorporate by reference more recent editions and addenda of the ASME Boiler and Pressure Vessel Code and the ASME Code for Operation and Maintenance of Nuclear Power Plants for construction, inservice inspection, and inservice testing.

## **REGULATIONS AND AMENDMENTS PROPOSED**

### **Changes, Tests, and Experiments - Parts 50, 52 and 72**

On October 21, 1998 (63 FR 56098), the NRC published an amendment to its regulations to clarify which changes, tests, and experiments conducted at a licensed facility require evaluation, and the criteria that determine when NRC approval is needed before these changes to a licensed facility can be implemented. The amendment also would add definitions for terms that have been subject to differing interpretations, reorganize the rule language for clarity, and revise the criteria for when prior NRC approval is needed.

### **Requirements for Those Who Possess Certain Industrial Devices Containing Byproduct Material To Provide Requested Information - Part 31**

On December 2, 1998 (63 FR 66492), the NRC published an amendment to its regulations that would add an explicit requirement that general licensees who possess certain measuring, gauging, or controlling devices that contain byproduct material provide the NRC with information concerning these devices.

## **Reporting Reliability and Availability Information for Risk-Significant Systems and Equipment - Part 50**

On December 2, 1998 (63 FR 66497), the NRC published a notice of withdrawal of this proposed rule that would have required licensees for commercial nuclear power reactors to report to the NRC plant-specific summary reliability and availability data for certain risk-significant systems and equipment.

## **Elimination of Inconsistencies Between NRC Regulations and EPA High-Level Waste Standards - Part 60**

On December 2, 1998 (63 FR 66498), the NRC published a notice of withdrawal of the proposed rule that would have eliminated several inconsistencies with the general standards of the Environmental Protection Agency to be developed for the disposal of high-level waste in deep geologic repositories. The proposed rule was originally published on June 19, 1999 (51 FR 22288).

## **Acquisition Regulation (NRCAR) - 48 CFR Chapter 20**

On December 8, 1998 (63 FR 67726), the NRC published an amendment to its regulations that would govern the procurement of goods and services. This amendment would meet the requirements of Public Law 103-355 (the Federal Acquisition Streamlining Act - FASA) and Public Law 104-106 (the Federal Acquisition Reform Act (FARA), and the Information Technology Management Reform Act (ITMRA)). Both public laws modify and streamline Federal Acquisition Regulation (FAR) requirements.

## **List of Approved Spent Fuel Storage Casks: Addition - Part 72**

On January 11, 1999 (64 FR 1542), the NRC published an amendment to its regulations that would add the Holtec International Hi-Star 100 cask system (Hi-Star) to the List of Approved Spent Fuel Storage Casks.

## **Requirements Concerning the Accessible Air Gap for Generally Licensed Devices - Parts 31 and 32**

On January 20, 1999 (64 FR 3052), the NRC published a notice of withdrawal of the proposed rule that would have provided additional regulatory control over certain measuring, gauging, and controlling devices to prevent unnecessary radiation exposure to individuals resulting from the use of the devices that contain radioactive sources. The proposed rule was originally published on November 27, 1992 (57 FR 56287).

## **Disposal of High-Level Radioactive Wastes in a Proposed Geologic Repository at Yucca Mountain, Nevada - Parts 2, 19, 20, 21, 30, 40, 51, 60, 61, and 63**

On February 22, 1999 (64 FR 8640), the NRC published an amendment to its regulations that proposes licensing criteria for disposal of spent nuclear fuel and high-level radioactive wastes in the proposed geologic repository at Yucca Mountain, Nevada.

### **Changes to Quality Assurance Programs - Part 50**

On February 23, 1999 (64 FR 9035), the NRC published an amendment to its regulations that would permit power reactor licensees to make certain quality assurance changes without obtaining NRC review and approval of these changes in advance. The companion final rule was published on February 23, 1999 (64 FR 9030).

### **Changes to Requirements for Environmental Review for Renewal of Nuclear Power Plant Operating Licenses - Part 51**

On February 26, 1999 (64 FR 9884), the NRC published an amendment to its regulations that would expand the generic findings that are currently codified in the regulations to include the cumulative environmental impacts of transporting spent fuel to the proposed repository at Yucca Mountain, Nevada, and account for the environmental impacts of transportation attributable to use of higher enriched fuel and higher burnup during the renewal term.

### **Use of Alternative Source Terms at Operating Reactors - Parts 21, 50, and 54**

On March 11, 1999 (64 FR 12117), the NRC published an amendment to its regulations that would allow holders of operating licenses for nuclear power plants to voluntarily replace the traditional source term used in design-basis accident analyses with alternative source terms.

### **Revision of Fee Schedules; 100% Fee Recovery, FY 1999 - Parts 170 and 171**

On April 1, 1999 (64 FR 15876), the NRC published an amendment to its regulations that would implement the Omnibus Budget Reconciliation Act of 1990 (OBRA-90), as amended, which mandates that the NRC recover approximately 100 percent of its budget authority in Fiscal Year 1999, less amounts appropriated from the Nuclear Waste Fund.

### **Energy Compensation Sources for Well Logging and Other Regulatory Clarifications - Part 39**

On April 19, 1999 (64 FR 19089), the NRC published an amendment that would modify its regulations dealing with low activity energy compensation sources; tritium neutron generator target sources; specific abandonment procedures in the event of an immediate threat; changes to requirements for inadvertent intrusion on an abandoned source; the modification of an existing generic exemption; the removal of an obsolete date; and updating regulations to be consistent with the Commission's metrication policy.

### **Industry Codes and Standards; Amended Requirements - Part 50**

On April 27, 1999 (64 FR 22580), the NRC published an amendment to its regulations that would eliminate the requirement for licensees to update their inservice inspection and inservice testing programs beyond a baseline edition and addenda of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code.

## **Electronic Availability of NRC Public Records and Ending of NRC Local Public Document Room Program - Parts 1, 2, 7, 9, 50, 51, 52, 60, 62, 72, 75, 76, 100, and 110**

On May 7, 1999 (64 FR 24531), the NRC published an amendment to its regulations that would reflect the NRC's decision to implement a new document management system that would permit the electronic storage, retrievable, and online ordering of publicly available NRC official records through the NRC Website.

## **AP600 Design Certification - Part 52**

On May 20, 1999 (64 FR 27626), the NRC published an amendment to its regulations that would certify the AP600 standard plant design under Subpart B of 10 CFR Part 52.

## **Formal and Informal Adjudicatory Hearing procedures; Clarification of Eligibility To Participate - Part 2**

On June 1, 1999 (64 FR 29246), the NRC published an amendment to its regulations that would clarify that Federally-recognized Indian tribal governments are entitled to participate in adjudicatory proceedings conducted under NRC's Rules of Practice on the same basis as other governmental units. The companion final rule was published on June 1, 1999 (64 FR 29212).

## **Consideration of Potassium Iodide in Emergency Plans - Part 50**

On June 14, 1999 (64 FR 31737), the NRC published an amendment to its regulations that would require that consideration be given to include potassium iodide as a protective measure for the general public that would supplement sheltering and evacuation.

## **Reporting Requirements for Nuclear Power Reactors - Parts 50 and 72**

On July 6, 1999 (64 FR 36291), the NRC published an amendment to its regulations that would update the current event reporting requirements for nuclear power reactors, including reducing or eliminating the reporting burden associated with events of little or no safety significance, and to better align the requirements with the NRC's need for information to carry out its safety mission, including revising reporting requirements based on importance to risk and extending the required reporting items consistent with the time needed for prompt NRC action.

## **Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material - Parts 30, 31, 32, 170, and 171**

On July 26, 1999 (64 FR 40295), the NRC published an amendment to its regulations that would include explicit requirements for a registration process that the NRC plans to initiate through a related rulemaking, add a registration fee, and clarify which provision of the regulations would apply to all general licenses for byproduct material. Also, the proposed rule would modify the reporting, recordkeeping, and labeling requirements for specific licensees who distribute these generally licensed devices.



## **List of Approved Spent Fuel Storage Casks; Revision, NUHOMS 24-P and NUHOMS 52-B - Part 72**

On July 29, 1999 (64 FR 41050), the NRC published an amendment to its regulations that would add an amended version of Certificate of Compliance Number 1004 to the list of approved spent fuel storage cask designs.

## **Domestic Licensing of Special Nuclear Material; Possession of a Critical Mass of Special Nuclear Material - Part 70**

On July 30, 1999 (64 FR 41338), the NRC published an amendment to its regulations that would govern the domestic licensing of special nuclear material (SNM) for licensees authorized to possess a critical mass of SNM, that are engaged in one of the following activities: enriched uranium processing, fabrication of uranium fuel or fuel assemblies, uranium enrichment; enriched uranium hexafluoride conversion; plutonium processing; fabrication of mixed-oxide fuel or fuel assemblies; scrap recovery of special nuclear material; or any other activities involving a critical mass of SNM that the Commission determines could significantly affect the public health and safety of the environment.

## **Elimination of the Requirement for Noncombustible Fire Barrier Penetration Seal Materials and Other Minor Changes - Part 50**

On August 18, 1999 (64 FR 44860), the NRC published an amendment to its regulations that would remove the requirement that fire barrier penetration seal materials be noncombustible.

## **List of Approved Spent Fuel Storage Casks: (NAC-MPC) Addition - Part 72**

On August 23, 1999 (64 FR 45918), the NRC published an amendment to its regulations that would add the NAC International Multi-Purpose Canister cask system to the List of Approved Spent Fuel Storage Casks.

## **List of Approved Spent Fuel Storage Casks: (TN-68) Addition - Part 72**

On August 23, 1999 (64 FR 45920), the NRC published an amendment to its regulations that would add the Transnuclear TN-68 cask system to the List of Approved Spent Fuel Storage Casks.

## **List of Approved Spent Fuel Storage Casks: (TN-32) Addition - Part 72**

On August 23, 1999 (64 FR 45923), the NRC published an amendment to its regulations that would add the Transnuclear TN-32 cask system to the List of Approved Spent Fuel Storage Casks.

## **List of Approved Spent Fuel Storage Casks: (VSC-24) Addition - Part 72**

On September 22, 1999 (64 FR 51270), the NRC published an amendment to its regulations that would revise the Pacific Sierra Nuclear Associates VSC-24 cask system listing

within the List of Approved Spent Fuel Storage Casks to include Amendment No. 1 to the Certificate of Compliance.

#### **List of Approved Spent Fuel Storage Casks: Holtec HI-STORM 100 Addition - Part 72**

On September 22, 1999 (64 FR 51271), the NRC published an amendment to its regulations that would add the Holtec International HI-STORM 100 cask system to the List of Approved Spent Fuel Storage Casks.

#### **ADVANCE NOTICES OF PROPOSED RULEMAKING**

##### **Steam Generator Tube Integrity for Operating Nuclear Power Plants - Part 50**

On December 2, 1998 (63 FR 66496), the NRC published a notice of withdrawal of an ANPRM that requested comments on the Commission's regulations pertaining to steam generator tube integrity. The ANPRM was originally published on September 19, 1994 (59 FR 47817).

##### **Comprehensive Quality Assurance in Medical Use and a Standard of Care - Part 35**

On December 2, 1998 (63 FR 66496), the NRC published a notice of withdrawal of an ANPRM that requested comments on questions related to comprehensive quality assurance and a standard of care in medical uses of byproduct material. The ANPRM was originally published on October 2, 1987 (52 FR 36949).

##### **Distribution of Source and Byproduct Material; Licensing and Reporting Requirements - Parts 32 and 40**

On December 14, 1998 (63 FR 68700), the NRC published a notice of withdrawal of an ANPRM that requested comments for updating the licensing of source material and mill tailings. The ANPRM was originally published on October 28, 1992 (57 FR 48749).