



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
WASHINGTON, DC 20555 - 0001

ACRSR-2216

October 16, 2006

MEMORANDUM TO: Luis A. Reyes  
Executive Director for Operations  
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FROM: John T. Larkins, Executive Director  
Advisory Committee on Reactor Safeguards

SUBJECT: PROPOSED REVISIONS TO REGULATORY GUIDES IN SUPPORT OF  
NEW REACTOR LICENSING ACTIVITIES

During the 536<sup>th</sup> meeting of the Advisory Committee on Reactor Safeguards, October 4-6, 2006, the Committee considered proposed revisions to the following Regulatory Guides and decided not to review them. The Committee has no objection to the staff's proposal to issue these Guides for public comment. The Committee would like to be informed of any significant changes made to these Guides prior to publishing them in final form.

- Proposed Revision 4 to Regulatory Guide 1.9, Application and Testing of Safety-Related Diesel Generators in Nuclear Power Plants (DG-1172)
- Proposed Revision 2 to Regulatory Guide 1.13, Spent Fuel Storage Facility Design Basis (DG-1162)
- Proposed Revision 3 to Regulatory Guide 1.20, Comprehensive Vibration Assessment Program for Reactor Internals During Preoperational and Initial Startup Testing (DG-1163)
- Proposed Revision 4 to Regulatory Guide 1.26, Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants (DG-1152)
- Proposed Revision 4 to Regulatory Guide 1.29, Seismic Design Classification (DG-1156)
- Proposed Revision 1 to Regulatory Guide 1.37, Quality Assurance Requirements for Cleaning of Fluid Systems and Associated Components of Water-Cooled Nuclear Power Plants (DG-1165)
- Proposed Revision 1 to Regulatory Guide 1.57, Design Limits and Loading Combinations for Metal Primary Reactor Containment System Components (DG-1158)
- Proposed Revision 3 to Regulatory Guide 1.68, Initial Test Programs for Water-Cooled Nuclear Power Plants (DG-1166)

- Proposed Revision 1 to Regulatory Guide 1.71, Welder Qualification for Areas of Limited Accessibility (DG-1167)
- Proposed Revision 1 to Regulatory Guide 1.93, Availability of Electric Power Sources (DG-1153)
- Proposed Revision 2 to Regulatory Guide 1.124, Service Limits and Loading Combinations for Class 1 Linear-Type Component Supports (DG-1168)
- Proposed Revision 2 to Regulatory Guide 1.128, Installation Design and Installation of Large Lead Storage Batteries for Nuclear Power Plants (DG-1154)
- Proposed Revision 2 to Regulatory Guide 1.129, Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Nuclear Power Plants (DG-1155)
- Proposed Revision 2 to Regulatory Guide 1.130, Service Limits and Loading Combinations for Class 1 Plate-and-Shell-Type Component Supports (DG-1169)
- Proposed Revision 1 to Regulatory Guide 1.196, Control Room Habitability at Light-Water Nuclear Power Reactors (DG-1171)
- Draft Regulatory Guide DG-1142, Guidelines for Environmental Qualification of Safety-Related Computer-Based Instrumentation and Control Systems in Nuclear Power Plants

The Committee referred Proposed Revision 1 to Regulatory Guide 1.112, Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents From Light-Water-Cooled Nuclear Power Reactors (DG-1160), and Regulatory Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Inception Through Normal Operations to License Termination) - Effluent Streams and the Environment (DG-4010), to the Advisory Committee on Nuclear Waste for possible review.

Reference:

1. Memorandum dated September 27, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Information - Regulatory Guide 1.9, "Application and Testing of Safety-Related Diesel Generators in Nuclear Power Stations" (DG-1172).
2. Memorandum dated September 19, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.13, "Spent Fuel Storage Facility Design Basis" (DG-1162), 1.61, "Damping values for Seismic Design of Nuclear Power Plants" (DG-1157), 1.124, "Service Limits and Loading Combinations for Class 1 Linear-Type Component Supports" (DG-1168), and 1.130, "Service Limits and Loading Combinations for Class 1 Plate-and-Shell-Type Component Supports" (DG-1169).

3. Memorandum dated September 29, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.20, "Comprehensive Vibration Assessment Program for Reactor Internals During Preoperational and Initial Startup Testing" (DG-1163).
4. Memorandum dated September 19, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.26 (DG-1152), "Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants."
5. Memorandum dated September 29, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.29, "Seismic Design Classification" (DG-1156).
6. Memorandum dated September 20, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.37, "Quality Assurance Requirements for Cleaning of Fluid Systems and Associated Components of Water-Cooled Nuclear Power Plants" (DG-1165).
7. Memorandum dated September 29, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.57, "Design Limits and Loading Combinations for Metal Primary Reactor Containment System Components" (DG-1158).
8. Memorandum dated September 28, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.68, "Initial Test Programs for Water-Cooled Nuclear Power Plants" (DG-1166).
9. Memorandum dated September 29, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.71, "Welder Qualification for Areas of Limited Accessibility" (DG-1167).
10. Memorandum dated September 22, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.93, "Availability of Electric Power Sources" (DG-1153).
11. Memorandum dated September 25, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.112, "Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents From Light-Water-Cooled Power Reactors" (DG-1160).
12. Memorandum dated September 7, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.128, "Installation Design and Installation of Large Lead Storage Batteries for Nuclear Power Plants" (DG-1154).

13. Memorandum dated September 7, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.129, "Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Nuclear Power Plants" (DG-1155).
14. Memorandum dated September 6, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 1.7, "Control of Combustible Gas Concentrations in Containment Following a Loss-of-Coolant Accident," and 1.196, "Control Room Habitability at Light-Water Nuclear Power Reactors."
15. Memorandum dated September 28, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Draft Regulatory Guide 1142, "Guidelines for Environmental Qualification of Safety-Related Computer-Based Instrumentation and Control Systems in Nuclear Power Plants."
16. Memorandum dated September 22, 2006, from Jimi T. Yerokun, Chief, Risk Applications and Special Project Branch, RES to Michael R. Snodderly, Chief, Technical Support Branch, ACRS, Subject: Additional Information - Regulatory Guide 4.15, "Quality Assurance for Radiological Monitoring Programs (Inception Through Normal Operations to License Termination) - Effluent Streams and the Environment" (DG-4010).

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