

licensed under part 50 of Title 10 of the *Code of Federal Regulations* (10 CFR), “Domestic Licensing of Production and Utilization Facilities” or 10 CFR part 52, “Licenses, Certifications, and Approvals for Nuclear Power Plants.”

Nuclear power plant SSCs must be tested to quality standards commensurate with their importance to safety. Criterion XI, “Test Control,” of Appendix B, “Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants,” to 10 CFR part 50 requires licensees to establish a testing program to identify and perform all tests needed to demonstrate that SSCs will perform satisfactorily in service. This testing program is to be conducted in accordance with written test procedures that incorporate the requirements and acceptance criteria in applicable design documents. The ECCS functions to be tested are those necessary to ensure that specified design functions of the ECCS are met during any condition of normal operation, including abnormal operating occurrences, or because of postulated accident conditions.

II. Additional Information

Revision 2 of RG 1.79 was issued with a temporary identification as Draft Regulatory Guide (DG) 1253, “Preoperational Testing of Emergency Core Cooling Systems for Pressurized-Water Reactors.” Draft Regulatory Guide 1253, was published in the **Federal Register** on June 7, 2011 (76 FR 32878), for a 60-day public comment period. The public comment period closed on August 5, 2011, and no public comments were received. A companion guide, DG-1277, “Initial Test Program of Emergency Core Cooling Systems for New Boiling-Water Reactors” (proposed new RG 1.79.1) was published for public comment on June 15, 2012 (77 FR 36014). A total of 45 comments were received on DG-1277. Of these, 5 comments were considered to be applicable to both DG-1253 and DG-1277. These 5 comments resulted in revisions to this guide. The comments and the NRC staff responses are available in ADAMS at Accession No. ML13007A389.

IV. Congressional Review Act

This regulatory guide is a rule as designated in the Congressional Review Act (5 U.S.C. 801–808). However, the Office of Management and Budget (OMB) has not found it to be a major rule as designated in the Congressional Review Act.

III. Backfitting and Issue Finality

Issuance of this final regulatory guide does not constitute backfitting as defined in 10 CFR 50.109 (the Backfit Rule) and is not otherwise inconsistent with the issue finality provisions in 10 CFR part 52. As discussed in the “Implementation” section of this regulatory guide, the NRC has no current intention to impose this regulatory guide on holders of current operating licenses or combined licenses.

This regulatory guide may be applied to applications for operating licenses and combined licenses docketed by the NRC as of the date of issuance of the final regulatory guide, as well as future applications for operating licenses and combined licenses submitted after the issuance of the regulatory guide. Such action does not constitute backfitting as defined in 10 CFR 50.109(a)(1) or is otherwise inconsistent with the applicable issue finality provision in 10 CFR part 52, inasmuch as such applicants or potential applicants are not within the scope of entities protected by the Backfit Rule or the relevant issue finality provisions in part 52.

Dated at Rockville, Maryland, this 4th day of October 2013.

For the Nuclear Regulatory Commission.

Thomas H. Boyce,

Chief, Regulatory Guide Development Branch, Division of Engineering, Office of Nuclear Regulatory Research.

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NUCLEAR REGULATORY COMMISSION

[NRC–2012–0035]

Decommissioning of Nuclear Power Reactors

AGENCY: Nuclear Regulatory Commission.

ACTION: Regulatory guide; issuance.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is issuing Revision 1 of regulatory guide (RG) 1.184

“Decommissioning of Nuclear Power Reactors.” This guide describes a method NRC considers acceptable for use in decommissioning power reactors.

ADDRESSES: Please refer to Docket ID NRC–2012–0035 when contacting the NRC about the availability of information regarding this document. You may access publicly-available information related to this action by the following methods:

- *Federal Rulemaking Web site:* Go to <http://www.regulations.gov> and search

for Docket ID NRC–2012–0035. Address questions about NRC dockets to Carol Gallagher; telephone: 301–287–3422; email: Carol.Gallagher@nrc.gov. For technical questions, contact the individual(s) listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- *NRC’s Agencywide Documents Access and Management System (ADAMS):* You may access publicly available documents online in the NRC Library at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “ADAMS Public Documents” and then select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1–800–397–4209, 301–415–4737, or by email to pdr.resource@nrc.gov. The ADAMS accession number for each document referenced in this notice (if that document is available in ADAMS) is provided the first time that a document is referenced. Revision 1 of RG 1.184, is available in ADAMS under Accession No. ML13144A840. The regulatory analysis may be found in ADAMS under Accession No. ML13144A842.

- *NRC’s PDR:* You may examine and purchase copies of public documents at the NRC’s PDR, Room O1–F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

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FOR FURTHER INFORMATION CONTACT:

James C. Shepherd, Office of Federal and State Materials and Environmental Management Programs, telephone: 301–415–6712, email: James.Shepherd@nrc.gov, or Edward O’Donnell, Office of Nuclear Regulatory Research, telephone: 301–251–7455; email: Edward.Odonnell@nrc.gov, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001.

SUPPLEMENTARY INFORMATION:

I. Introduction

The NRC is issuing a revision to an existing guide in the NRC’s “Regulatory Guide” series. This series was developed to describe and make available to the public information such as methods that are acceptable to the NRC staff for implementing specific parts of the agency’s regulations, techniques that the staff uses in evaluating specific problems or postulated accidents, and data that the staff needs in its review of applications for permits and licenses.

The NRC issued Revision 1 of RG 1.184 with a temporary identification as

Draft Regulatory Guide, DG-1271 in the **Federal Register** on February 14, 2012 (77 FR 8902), for a 60-day public comment period. The public comment period closed on April 16, 2012. Public comments on DG-1271 and the staff responses to the public comments are available in ADAMS under Accession No. ML13144A843.

Revision 1 of RG 1.184 describes a method that the NRC staff considers acceptable for use in complying with the NRC's regulations relating to the decommissioning process for nuclear power reactors. The revision takes advantage of the 13 years of decommissioning experience since the first issuance of RG 1.184 in July 2000, and decommissioning guidance documents released since then have been incorporated into the guide.

II. Congressional Review Act

This regulatory guide is a rule as defined in the Congressional Review Act (5 U.S.C. 801-808). However, the Office of Management and Budget has not found it to be a major rule as defined in the Congressional Review Act.

III. Backfitting and Issue Finality

Issuance of this final regulatory guide does not constitute backfitting as defined in 10 CFR 50.109 and is not otherwise inconsistent with the issue finality provisions in 10 CFR part 52. As discussed in the "Implementation" section of this regulatory guide, the NRC has no current intention to impose this regulatory guide on holders of current operating licenses or combined licenses.

Dated at Rockville, Maryland, this 4th day of October, 2013.

For the Nuclear Regulatory Commission.
Thomas H. Boyce,

*Chief, Regulatory Guide Development Branch,
Division of Engineering, Office of Nuclear
Regulatory Research.*

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NUCLEAR REGULATORY COMMISSION

[NRC-2013-0237]

Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors

AGENCY: Nuclear Regulatory
Commission.

ACTION: Regulatory guide; issuance.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is issuing revision 1 to Regulatory Guide (RG) 1.110, "Cost-Benefit Analysis for Radwaste Systems

for Light-Water-Cooled Nuclear Power Reactors," in which the NRC made editorial corrections and formatting changes with no substantive changes in the staff regulatory positions. This guide describes methods and procedures that the staff of the NRC considers acceptable for performing a cost-benefit analysis for liquid and gaseous radwaste system components for light water nuclear power reactors.

ADDRESSES: Please refer to Docket ID NRC-2013-0237 when contacting the NRC about the availability of information regarding this document. You may access publicly-available information related to this action by the following methods:

- *Federal Rulemaking Web site:* Go to <http://www.regulations.gov> and search for Docket ID NRC-2013-0237. Address questions about NRC dockets to Carol Gallagher; telephone: 301-287-3422; email: Carol.Gallagher@nrc.gov. For technical questions, contact the individual(s) listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- *NRC's Agencywide Documents Access and Management System (ADAMS):* You may access publicly available documents online in the NRC Library at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "ADAMS Public Documents" and then select "Begin Web-based ADAMS Search." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by email to pdr.resource@nrc.gov. Revision 1 of RG 1.110 is available in ADAMS under Accession No. ML13241A052.

- *NRC's PDR:* You may examine and purchase copies of public documents at the NRC's Public Document Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

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FOR FURTHER INFORMATION CONTACT: Stephen C. Burton, Region III, telephone: 301-415-7000; email: Stephen.Burton@nrc.gov, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

SUPPLEMENTARY INFORMATION:

I. Introduction

The NRC is issuing a revision to an existing guide in the NRC's "Regulatory Guide" series. Regulatory guides were developed to describe and make available to the public information and methods that are acceptable to the NRC staff for implementing specific parts of

the agency's regulations, techniques that the staff uses in evaluating specific problems or postulated accidents, and data that the staff needs in its review of applications for permits and licenses. The NRC typically seeks public comment on a draft version of a regulatory guide by announcing its availability for comment in the **Federal Register**. However, as explained in section III.F. of the NRC's Management Directive Handbook 6.6, "Regulatory Guides," (ADAMS Accession No. ML110330475) the NRC may directly issue a final regulatory guide without a draft version or public comment period if the changes to the regulatory guide are non-substantive.

The NRC is issuing Revision 1 of RG 1.110 directly as a final regulatory guide because the changes between Revision 0 and Revision 1 are non-substantive. Regulatory Guide 1.110 was revised to incorporate editorial changes and the NRC's current format for regulatory guides. These changes were intended to improve clarity and did not alter the staff regulatory guidance.

In the course of a periodic review of the guide, the NRC staff identified several technical issues (ADAMS Accession No. ML13238A095). Nonetheless, the current version is successfully being used by the NRC staff in their safety reviews and by applicants in preparing license applications under parts 50 and 52 of Title 10 of the *Code of Federal Regulations* (10 CFR).

The NRC staff currently is considering revising RG 1.110 as part of rulemaking efforts being planned in response to the Staff Requirements Memorandum for SECY-12-0064, "Recommendation for Policy and Technical Direction to Revise Radiation Protection Regulations and Guidance" (ADAMS Accession No. ML12306A119). The rulemaking effort for 10 CFR part 50, appendix I, "Numerical Guides for Design Objectives and Limiting Conditions for Operation to Meet the Criterion 'As Low as is Reasonably Achievable' for Radioactive Material in Light-Water-Cooled Nuclear Power Reactor Effluents," will include the development of a technical basis, public meetings and industry workshops, and revision of NRC guidance documents and computer codes. This effort should also incorporate the update of the cost-benefit ratio for person-rem, which would be a significant update.

II. Backfitting and Issue Finality

Issuance of this final regulatory guide does not constitute backfitting as defined in 10 CFR 50.109 (the Backfit Rule) and is not otherwise inconsistent with the issue finality provisions in 10