

NUCLEAR REGULATORY COMMISSION

[NRC-2015-0198]

**Design of Structures, Components, Equipment, and Systems, and
Reactor Coolant System and Connected Systems**

AGENCY: Nuclear Regulatory Commission.

ACTION: Standard review plan-draft section revision; request for comment.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is soliciting public comment on the following sections in Chapter 3, "Design of Structures, Components, Equipment, and Systems Reactor Coolant System and Connected Systems," and Chapter 5, "Reactor Coolant System and Connected Systems," of NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," Section 3.2.1, "Seismic Classification," Section 3.2.2, "System Quality Group Classification," Section 3.6.2, "Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping," Section 3.9.1, "Special Topics for Mechanical Components," Section 3.10, "Seismic and Dynamic Qualification of Mechanical and Electrical Equipment," Section 5.2.1.1, "Compliance with the Codes and Standards Rule," Section 5.2.1.2, "Applicable Code Cases," and Branch Technical Position (BTP) 3-4, "Applicable Code Cases."

DATES: Comments must be filed no later than October 26, 2015.

ADDRESSES: You may submit comments by any of the following methods (unless this document describes a different method for submitting comments on a specific subject):

- **Federal Rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2015-0198**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: Carol.Gallagher@nrc.gov. For technical questions, contact the individual(s) listed in the FOR FURTHER INFORMATION CONTACT section of this document.

- **Mail comments to:** Cindy Bladey, Office of Administration, Mail Stop: O12-H08, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

For additional direction on accessing information and submitting comments, see “Obtaining Information and Submitting Comments” in the SUPPLEMENTARY INFORMATION section of this document.

FOR FURTHER INFORMATION CONTACT: Mark Notich, telephone: 301-415-3053; e-mail: Mark.Notich@nrc.gov or Nishka Devaser, telephone: 301-415-5196; e-mail: Nishka.Devaser@nrc.gov, both are staff of the Office of New Reactors, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

SUPPLEMENTARY INFORMATION:

I. Obtaining Information and Submitting Comments.

A. Obtaining Information.

Please refer to Docket ID **NRC-2015-0198** when contacting the NRC about the availability of information regarding this document. You may obtain 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-2015-0198**.

- **NRC's Agencywide Documents Access and Management System (ADAMS):**

You may obtain publicly-available documents online in the ADAMS Public Documents collection 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 e-mail to pdr.resource@nrc.gov. The ADAMS accession number for each document referenced (if it available in ADAMS) is provided the first time that a document is referenced. In addition, for the convenience of the reader, the ADAMS accession numbers are provided in a table in the section of this notice entitled, Availability of Documents.

- **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.

B. Submitting Comments.

Please include Docket ID **NRC-2015-0198** in the subject line of your comment submission, in order to ensure that the NRC is able to make your comment submission available to the public in this docket.

The NRC cautions you not to include identifying or contact information that you do not want to be publicly disclosed in your comment submission. The NRC posts all comment submissions at <http://www.regulations.gov> as well as entering the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment submission. Your request should state that the NRC does not routinely edit comment submissions to remove such information before making the comment submissions available to the public or entering the comment submissions into ADAMS.

II. Further Information.

The NRC seeks public comment on the proposed draft revisions of Standard Review Plan (SRP) Sections 3.2.1, 3.2.2, 3.6.2, 3.9.1, 3.10, 5.2.1.1, 5.2.1.2, and BTP 3-4. These sections have been developed to assist NRC staff's review the design of structures, components, equipment, and systems, as well as assess compliance with codes, standards, and code cases for the reactor coolant system and connected systems under parts 50 and 52 of Title 10 of the *Code of Federal Regulations* (10 CFR). The revisions to these SRP sections reflect no changes in staff position; rather they clarify the original intent of these SRP sections using plain language throughout in accordance with the NRC's Plain Writing Action Plan. Additionally, these revisions reflect operating experience, lessons learned, and updated guidance since the last revision, and address the applicability of regulatory treatment of non-safety systems where appropriate.

Following NRC staff's evaluation of submitted comments, the NRC intends to finalize the proposed revisions of SRP Sections 3.2.1, 3.2.2, 3.6.2, 3.9.1, 3.10, 5.2.1.1, 5.2.1.2, and

BTP 3-4 in ADAMS and post them on the NRC's public Web site at <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr0800/>.

III. Availability of Documents.

The ADAMS accession numbers for the current revisions, proposed draft revisions, and redline strikeouts comparing current revisions and the proposed revisions of individual sections are available in ADAMS under the following accession numbers:

SRP Section	Current Revision ADAMS accession no.	Proposed Revision ADAMS accession no.	Redline ADAMS accession no.
Section 3.2.1, "Seismic Classification"	Revision 2 (ML063190002)	Revision 3 (ML14227A643)	ML14198A162
Section 3.2.2, "System Quality Group Classification"	Revision 2 (ML063190003)	Revision 3 (ML14227A641)	ML14198A145
Section 3.6.2, "Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping"	Revision 2 (ML070660494)	Revision 3 (ML14230A035)	ML14198A166
Section 3.9.1, "Special Topics for Mechanical Components"	Revision 3 (ML070430402)	Revision 4 (ML14227A637)	ML14198A150
Section 3.10, "Seismic and Dynamic Qualification of Mechanical and Electrical Equipment"	Revision 3 (ML070720037)	Revision 4 (ML14227A631)	ML14198A171
Section 5.2.1.1, "Compliance with the Codes and Standards Rule, 10 CFR 50.55a"	Revision 3 (ML070040003)	Revision 4 (ML14227A623)	ML14198A155
Section 5.2.1.2, "Applicable Code Cases"	Revision 3 (ML070040004)	Revision 4 (ML14227A659)	ML14198A172
Branch Technical Position 3-4, "Applicable Code Cases"	Revision 2 (ML070800008)	Revision 3 (ML14227A646)	ML14198A126

IV. Backfitting and Issue Finality.

Issuance of these draft SRP sections does not constitute backfitting as defined in 10 CFR 50.109, nor is it inconsistent with any of the issue finality provisions in 10 CFR part 52. These draft SRP sections do not contain any new requirements for COL applicants or holders under 10 CFR part 52, or for licensees of existing operating units licensed under 10 CFR part 50. Rather, it contains additional draft guidance and clarification on staff review of Preliminary Amendment Requests.

The NRC staff does not intend to impose or apply the positions described in the draft SRP to existing licenses and regulatory approvals. Hence, the issuance of a final SRP—even if considered guidance within the purview of the issue finality provisions in 10 CFR part 52—would not need to be evaluated as if it were a backfit or as being inconsistent with issue finality provisions. If, in the future, the NRC staff seeks to impose a position in the SRP on holders of already issued licenses in a manner that does not provide issue finality as described in the applicable issue finality provision, then the staff must make the showing as set forth in the Backfit Rule or address the criteria for avoiding issue finality as described in the applicable issue finality provision.

The NRC staff does not, at this time, intend to impose the positions represented in the draft SRP sections in a manner that is inconsistent with any issue finality provisions. If, in the future, the staff seeks to impose a position in the draft SRP in a manner that does not provide issue finality as described in the applicable issue finality provision, then the staff must address the criteria for avoiding issue finality as described in the applicable issue finality provision.

Dated at Rockville, Maryland, this 14th day of August, 2015.

For the Nuclear Regulatory Commission.

/RA/

Joseph Colaccino, Chief
New Reactor Rulemaking and Guidance Branch
Division of Advanced Reactors and Rulemaking
Office of New Reactors

The NRC staff does not, at this time, intend to impose the positions represented in the draft SRP sections in a manner that is inconsistent with any issue finality provisions. If, in the future, the staff seeks to impose a position in the draft SRP in a manner that does not provide issue finality as described in the applicable issue finality provision, then the staff must address the criteria for avoiding issue finality as described in the applicable issue finality provision.

Dated at Rockville, Maryland, this 14TH day of August, 2015.

For the Nuclear Regulatory Commission.

/RA/

Joseph Colaccino, Chief
New Reactor Rulemaking and Guidance Branch
Division of Advanced Reactors and Rulemaking
Office of New Reactors

DISTRIBUTION: See next page

ADAMS Accession Number: ML14198A158

***via e-mail**

ADM-014

OFFICE	PM: NRO/DARR/NRGB	PM: NRO/DARR/ARPB	LA: NRORO/DARR/NRGB	PM:NRO/DE/MEB	BC:NRO/DE/MEB
NAME	MNotich*	NDevaser	BAbeywickrama*	JHuang*	TClark*
DATE	08/03/15	08/27/14	06/12/15	11/05/14	11/07/14
OFFICE	NRR/DE/EMCB	NRR/DPR	OIS	OGC	BC:NRO/DARR/NRGB
NAME	JLubinski*	MGavrilas*	TDonnell*	MLewis*	JColaccino
DATE	03/27/15	07/28/15	03/17/15	05/28/15	08/14/15

OFFICIAL RECORD COPY

NUCLEAR REGULATORY COMMISSION

[NRC-2015-0198]

**SUBJECT: DESIGN OF STRUCTURES, COMPONENTS, EQUIPMENT, AND SYSTEMS,
AND REACTOR COOLANT SYSTEM AND CONNECTED SYSTEMS**

DISTRIBUTION:

PUBLIC
NRGB R/F
NDevaser
MNotich
JHuang
JColaccino
LBurkhart
BAbeywickrama
TClark
RidsNroDarr
RidsNroDeMeb
RidsNroDarrNrgb
RidsOgcMailCenter
RidsNroDarrSmrlb1
RidsNrrDpr
RidsNrrDeEmcb