

NUCLEAR REGULATORY COMMISSION

[NRC-2012-0232]

**Proposed Revision Probabilistic Risk Assessment and
Severe Accident Evaluation for New Reactors**

AGENCY: Nuclear Regulatory Commission.

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

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC or the Commission) is soliciting public comment on NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," on a proposed Revision 3 to its Standard Review Plan (SRP), Section 19.0, "Probabilistic Risk Assessment and Severe Accident Evaluation for New Reactors."

DATES: Submit comments by **[INSERT DATE: 30 DAYS FROM DATE OF PUBLICATION]**. Comments received after this date will be considered, if it is practical to do so, but the Commission is able to ensure consideration only for comments received on or before this date.

ADDRESSES: You may access information and comment submissions related to this document, which the NRC possesses and are publicly available, by searching on <http://www.regulations.gov> under Docket ID **NRC-2012-0232**. You may submit comments by any of the following methods:

- **Federal Rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2012-0232**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-492-3668; e-mail: Carol.Gallagher@nrc.gov.

- **Mail comments to:** Cindy Bladey, Chief, Rules, Announcements, and Directives Branch (RADB), Office of Administration, Mail Stop: TWB-05-B01M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

- **Fax comments to:** RADB at 301-492-3446.

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

FOR FURTHER INFORMATION CONTACT: Ms. Amy E. Cabbage, Office of New Reactors, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; telephone at 301-415-2875 or e-mail at Amy.Cabbage@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Accessing Information and Submitting Comments

A. Accessing Information

Please refer to Docket ID **NRC-2012-0232** when contacting the NRC about the availability of information regarding this document. You may access information related to this document, which the NRC possesses and are publicly available, by any of the following methods:

- **Federal Rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2012-0232**.

- **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 e-mail 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. The SRP, Section 19.0, is under ADAMS Accession No. ML12132A481.

- **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-2012-0232** 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 in comment submissions that you do not want to be publicly disclosed. The NRC posts all comment submissions at <http://www.regulations.gov> as well as enters 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 in their comment submissions that they do not want to be publicly disclosed. 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 Office of New Reactors and the Office of Nuclear Reactor Regulation are revising SRP Section 19.0, which updates Revision 2 (ADAMS Accession No. ML071700652) dated June 2007, to reflect the changes as listed in the description of changes. These changes include (1) incorporation of guidance previously contained in Interim Staff Guidance (ISG), DC/COL-ISG-003 (ADAMS Accession No. ML081430087) concerning the review of probabilistic risk assessment (PRA) information and severe accident assessments for new reactors submitted to support design certification (DC) and combined license (COL) applications, (2) incorporation of guidance previously contained in ISG DC/COL-ISG-020 (ADAMS Accession No. ML100491233) concerning review of information from PRA-based seismic margin analyses submitted in support of DC and COL applications, (3) incorporation of guidance previously contained in ISG DI&C/COL-ISG-003 (ADAMS Accession No. ML080570048) concerning review of digital instrumentation and control system PRAs, including common cause failures in PRAs and uncertainty analysis associated with new reactor digital systems, and (4) incorporation of additional procedures for review of PRA information and severe accident assessments developed during NRC reviews of DC and COL applications completed after ISG DC/COL-ISG-003 was issued. A redline document comparing Revision 2 and the current proposed Revision 3 can be found under ADAMS Accession No. ML12153A008.

The NRC staff issues *Federal Register* notices to facilitate timely implementation of the current staff guidance and to facilitate activities associated with the review of amendment applications. The NRC staff intends to incorporate the final approved guidance into the next revision of NUREG-0800, SRP Section 19.0 Revision 3.

Dated at Rockville, Maryland, this 27th day of September 2012.

For the Nuclear Regulatory Commission.

/RA/

Amy E. Cabbage, Chief,
Policy Branch,
Division of Advanced Reactors and Rulemaking,
Office of New Reactors

The NRC staff issues *Federal Register* notices to facilitate timely implementation of the current staff guidance and to facilitate activities associated with the review of amendment applications. The NRC staff intends to incorporate the final approved guidance into the next revision of NUREG-0800, SRP Section 19.0 Revision 3.

Dated at Rockville, Maryland, this 27th day of September 2012.

For the Nuclear Regulatory Commission.

/RA/

Amy E. Cabbage, Chief,
Policy Branch,
Division of Advanced Reactors and Rulemaking,
Office of New Reactors.

Distribution:

PUBLIC	APOB R/F	LMrowca, NRO
RSubbaratnam, NRO	ACabbage, NRO	BAbeywickrama, NRO
MCaruso, NRO	RidsNroDsra	RidsNrrDraApob
RidsNroDarr	RidsNroDarrApob	RidsOgcMailCenter
RidsNrrDra	RidsNrrDarApla	RidsNroSpra

ADAMS Accession Number: ML12153A094-pkg ***via e-mail** **ADM-012**

OFFICE	PM:NRO/DNRL/NRGA	LA:NRO/DNRL/APOB	PM:NRO/DSRA/SPRA	BC:NRO/DSRA/SPRA	D:NRO/DSRA
NAME	RSubbaratnam	BAbeywickrama*	M.Caruso	LMrowca	CAder
DATE	09/24/2012	05/30/12	06/28/2012	07/20/2012	07/20/2012
OFFICE	OGC NLO	OIS/DPS	BC:NRO/DARR/APOB		
NAME	J. Martin*	T. Donnel*	ACabbage		
DATE	09/10/2012	09/21/2012	09/27/2012		

OFFICIAL RECORD COPY