

NUCLEAR REGULATORY COMMISSION

[NRC-2012-0152]

Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Normal Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants

AGENCY: Nuclear Regulatory Commission.

ACTION: Draft regulatory guide; request for comment.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC or the Commission) is issuing for public comment draft regulatory guide (DG), DG-1280, "Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Normal Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants." This guide describes a method for design, inspection, and testing of normal atmosphere cleanup systems for controlling releases of airborne radioactive materials to the environment during normal operations, including anticipated operational occurrences. This guide applies to all types of nuclear power plants that use water as the primary means of cooling.

DATES: Submit comments by August 27, 2012. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date. Although a time limit is given, comments and suggestions in connection with items for inclusion in guides currently being developed or improvements in all published guides are encouraged at any time.

ADDRESSES: You may access information and comment submissions related to this document, which the NRC possesses and are publically available, by searching on <http://www.regulations.gov> under Docket ID **NRC-2012-0152**. 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-2012-0152**. 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: Mekonen Bayssie, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone: 301-251-7489 or e-mail: Mekonen.Bayssie@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Accessing Information and Submitting Comments

A. Accessing Information

Please refer to Docket ID **NRC-2012-0152** 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 is publicly available, by the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2012-0152**.

- **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 draft regulatory guide is available electronically under ADAMS Accession Number ML11273A057. The regulatory analysis may be found in ADAMS under Accession No. ML11273A060.

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- **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-2012-0152** 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 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 will not 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 is issuing for public comment a draft guide in the NRC's "Regulatory Guide" series. This series was developed to describe and make available to the public such information as methods that are acceptable to the NRC staff for implementing specific parts of the NRC'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 draft regulatory guide, entitled, "Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Normal Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants," is temporarily identified by its task number, DG-1280. The DG-1280 is proposed revision 3 of Regulatory Guide 1.140, dated June 2001. Since the last revision of RG 1.140, The American Society of Mechanical Engineers (ASME) Committee on Nuclear Air and Gas Treatment (CONAGT) has revised and expanded the scope of equipment covered by ASME-AG-1, "Code on Nuclear Air and Gas Treatment," which the staff previously endorsed RG 1.140. The revision to ASME-AG-1b consolidated some requirements from ASME-N509, "Nuclear Power Plant Air Cleaning Units and Components"; ASME-N510, "Testing of Nuclear Air-Treatment Systems"; and other documents previously endorsed by the staff in RG 1.140. In

addition, CONAGT has developed and published a new standard, ASME N511-2007, "Inservice Testing of Nuclear Air Treatment, Heating Ventilation and Air Conditioning Systems." This new standard provides comprehensive test and inspection requirements and is written to complement the expanded ASME-AG-1b. This revision of the regulatory guide reflects the referenced industry standards.

III. Backfitting and Issue Finality

Because this regulatory guide reflects current regulatory practice, it does not require a backfit analysis as described in 10 CFR 50.109(c).

Dated at Rockville, Maryland, this 21st day of JUNE, 2012.

For the Nuclear Regulatory Commission.

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