

NUCLEAR REGULATORY COMMISSION

[NRC-2012-0250]

Computational Fluid Dynamics Best Practice Guidelines for Dry Cask Applications

AGENCY: Nuclear Regulatory Commission.

ACTION: Draft NUREG; request for public comment.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC or the Commission) is requesting public comments on draft NUREG-2152, "Computational Fluid Dynamics Best Practice Guidelines for Dry Cask Applications." The draft NUREG-2152 report provides best practice guidelines for undertaking simulations used to evaluate the thermal response of dry casks. Dry cask applications include transfer, transport, and storage. First, the different sources of errors and uncertainties known to occur in numerical simulation results are listed and defined. The sources of error that can be controlled and quantified by the user are then discussed in detail, and best practice guidelines for their reduction and quantification are given. These best practice guidelines are based on available guidelines as much as possible.

DATES: Comments may be submitted by **[INSERT DATE: 60 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 publically available, by searching on

<http://www.regulations.gov> under Docket ID **NRC-2012-0250**. 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-2012-0250**. 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: Jorge Solis, Senior Thermal Engineer, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission Washington, DC 20005-0001; telephone: 301-492-3282; e-mail: Jorge.Solis@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Accessing Information and Submitting Comments

A. Accessing Information

Please refer to Docket ID **NRC-2012-0250** when contacting the NRC about the availability of information regarding this document. You may access information related to this document by any of the following methods:

- **Federal Rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2012-0250**.

- **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 draft NUREG-2152 is located in ADAMS under Accession Number **ML12286A301**.

- **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-2012-0250** 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 will posts all comment submissions at <http://www.regulations.gov> as well as enter the comment submissions into ADAMS, and 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 purpose of this notice is to provide the public with an opportunity to review and solicit comments on the draft NUREG-2152, "Computational Fluid Dynamics Best Practice Guidelines for Dry Cask Applications." These comments will be considered in the final version or subsequent revisions.

Dated at Rockville, Maryland, this 16 day of October, 2012.

For the Nuclear Regulatory Commission.

/RA/
Michele Sampson, Chief,
Thermal and Containment Branch,
Division of Spent Fuel Storage and Transportation,
Office of Nuclear Materials Safety and Safeguards.