

**From:** [Firth, James](#)  
**To:** [magnuson28@msn.com](mailto:magnuson28@msn.com)  
**Cc:** [Berrios, Ilka](#); [Bladey, Cindy](#); [Burnell, Scott](#); [Shepherd, Jill](#)  
**Subject:** Status of Petition for Rulemaking, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors," (PRM-50-122; NRC 2020 0150)  
**Date:** Tuesday, November 17, 2020 10:39:00 AM

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Dear Mr. Magnuson,

I am writing to provide you with an update on the May 31, 2020, petition for rulemaking (PRM) that you submitted to the U.S. Nuclear Regulatory Commission (NRC) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20170B161). On June 18, 2020, the NRC docketed your petition pursuant to § 2.803 of Title 10 of the *Code of Federal Regulations* (10 CFR), "Petition for rulemaking — NRC action," and assigned it Docket No. PRM-50-122. Please reference this docket number on any correspondence you may have concerning the petition. On August 24, 2020, the NRC published a notice of docketing and a request for comment for your petition, "Accident Source Term Methodologies and Corresponding Release Fractions," in the *Federal Register* (85 FR 52058). The comment period closed on November 9, 2020.

In your petition, you requested the NRC amend its regulations to 1) codify source term methodologies and the corresponding release fractions in Sandia National Laboratories Report SAND2008-6601, "Analysis of Main Steam Isolation Valve Leakage in Design Basis Accidents Using MELCOR 1.8.6 and RADTRAN," dated October 2008 (ADAMS Accession No. ML083180196) and 2) codify a modified version of Draft Regulatory Guide DG-1199 (Proposed Revision 1 of Regulatory Guide 1.183, Dated July 2000), "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors," dated October 2009 (ADAMS Accession No. ML090960464) that would include the source term methodologies recommended in SAND2008-6601 and the corresponding release fractions.

I am also informing you about a public meeting the NRC has scheduled on the revision to Regulatory Guide 1.183, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors." The public meeting is scheduled for 1:00 pm – 4:00 pm on November 19, 2020. Information about the public meeting will be posted on the NRC's Public Meeting Notice System at: <https://www.nrc.gov/pmns/mtg>. The current meeting notice can be found at: <https://adamswebsearch2.nrc.gov/idmws/ViewDocByAccession.asp?AccessionNumber=ML20308A496>.

The NRC is reviewing your petition and the public comments received in response to the August 24, 2020, *Federal Register* notice. The Commission makes the final decision on the NRC's actions on petitions for rulemaking. After reviewing the merits of your petition and the public comments, the NRC staff prepares a recommendation to the Commission and the Commission will then make and issue its decision.

You can monitor the status of your petition on the Federal rulemaking Web site, <https://www.regulations.gov>, by searching on Docket ID NRC-2020-0150. In addition, the Federal rulemaking Web site allows you to receive alerts when changes or additions occur in a docket folder. To subscribe: (1) navigate to the docket folder NRC-2020-0150; (2) click the "E-mail Alert" link; and (3) enter your e-mail address and select how frequently

you would like to receive e-mails (daily, weekly, or monthly). The NRC also tracks all petition actions on its Web site at <https://www.nrc.gov/about-nrc/regulatory/rulemaking/rules-petitions.html> and <https://www.nrc.gov/reading-rm/doc-collections/rulemaking-ruleforum/petitions-by-year.html>.

Please feel free to contact me at [James.Firth@nrc.gov](mailto:James.Firth@nrc.gov) or 301-415-6628 if you have any additional questions.

Sincerely,  
James Firth

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