



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

(FSME-12-042, May, Program, Spent Nuclear Fuel (SNF))

May 10, 2012

ALL STATE LIAISON OFFICERS

ALL STATE RADIATION CONTROL PROGRAM DIRECTORS

DRAFT REPORT AVAILABLE FOR COMMENT: "IDENTIFICATION AND PRIORITIZATION OF THE TECHNICAL INFORMATION NEEDS AFFECTING POTENTIAL REGULATION OF EXTENDED STORAGE AND TRANSPORTATION OF SPENT NUCLEAR FUEL." (FSME-12-042)

**Purpose:** The U.S. Nuclear Regulatory Commission (NRC) is seeking comments on the Draft Report entitled, "Identification and Prioritization of the Technical Information Needs Affecting Potential Regulation of Extended Storage and Transportation of Spent Nuclear Fuel (SNF)." <sup>1</sup>

**Background:** The NRC regulates storage of SNF from commercial nuclear power plants. Currently, a significant amount of SNF is in dry storage systems at operating and decommissioned plants. In the future, it is expected that SNF will continue to be placed in dry storage for extended periods of time. The NRC is examining the technical needs and potential changes to the regulatory framework that may be needed to allow the licensing of SNF storage for periods beyond 120 years.

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<sup>1</sup> This information request has been approved by OMB 3150-0029, expiration 11/30/2013. The estimated burden per response to comply with this voluntary collection is approximately 8 hours. Send comments regarding the burden estimate to the Records and FOIA/Privacy Services Branch (T-5F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0029), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

This information request has been approved by OMB 3150-0163, expiration 01/31/2013. The estimated burden per response to comply with this voluntary collection is approximately 8 hours. Send comments regarding the burden estimate to the Records and FOIA/Privacy Services Branch (T-5F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0163), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

This information request has been approved by OMB 3150-0200, expiration 08/31/2011. The estimated burden per response to comply with this voluntary collection is approximately 8 hours. Send comments regarding the burden estimate to the Records and FOIA/Privacy Services Branch (T-5F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0200), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**Discussion:** The report presents the results of NRC's evaluation of the technical information needs for continued extended dry storage, and for the subsequent transportation of SNF following long-term storage. The evaluation focuses on the degradation phenomena that may affect dry storage systems, and how these phenomena may affect the ability of the systems to fulfill their regulatory functions.

The NRC is making this draft report available for comment to ensure an open and collaborative effort with the public and other stakeholders. **The comment period ends on June 18, 2012.** The draft report is available at: <http://www.nrc.gov/waste/spent-fuel-storage/public-involvement.html>. The report is also accessible in the NRC's (Agencywide Documents Access and Management System (ADAMS) at Accession Number ML 120580143).

Comments on the report can be submitted by email to: [ESTOutreach@nrc.gov](mailto:ESTOutreach@nrc.gov). Alternatively, you may send comments through the U.S mail to:

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Any questions regarding this correspondence should be directed to:

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