



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

June 29, 2016

MEMORANDUM TO: Andrea Valentin, Executive Director
Office of the Advisory Committee on Reactor Safeguards

FROM: Anthony H. Hsia, Acting Director **/RA/**
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: MANAGING AGING PROCESSES IN STORAGE (MAPS) REPORT,
DRAFT REPORT FOR COMMENT

The purpose of this memorandum is to provide the Advisory Committee on Reactor Safeguards (ACRS) a preliminary draft of the Managing Aging Processes in Storage (MAPS) Report. This document, available in the ADAMS document repository at ML16180A152, is provided to assist the ACRS in its decision of whether to review and hold a subcommittee meeting on the final draft document before it is published for public comment. Please note that this working draft does not represent the final staff position and is for internal use only, as the staff has yet to complete its review.

The MAPS Report will provide guidance to the NRC staff for the safety review of renewal applications for specific licenses of independent spent fuel storage installations and certificates of compliance (CoC) of dry storage systems, as codified in Title 10 of the *Code of Federal Regulations* Part 72. This NUREG report evaluates potential aging degradation mechanisms to determine which of those could impact the ability of dry storage system components to fulfill their safety functions in the period of extended operation. More importantly, the report provides example aging management programs that the staff considers generically acceptable to address aging effects to ensure that the design bases of dry storage systems will be maintained.

As discussed in the Metallurgy and Reactor Fuels Subcommittee meeting on March 23, 2016, the staff's preference is to publish the draft MAPS Report for public comment immediately upon its completion (estimated to be early-to-mid August 2016). Relevant public and industry stakeholders have expressed substantial interest for this guidance document to be made publicly available as soon as possible for their review, especially for licensees and CoC holders currently preparing storage renewal applications. After incorporating public comments, the final report would be provided for ACRS review. However, if the ACRS wishes to review the draft document prior to the public comment period, the Division of Spent Fuel Management is fully prepared to support the ACRS review.

CONTACT: John Wise, NMSS/DSFM
301-415-8085

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