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August 22, 2016

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

FROM: Mark Lombard, 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 copy of the "Managing Aging Processes in Storage (MAPS) Report, Draft Report for Comment" (ML16235A124). The draft MAPS Report is provided in preparation for the meeting with the ACRS subcommittee of Metallurgy and Reactor Fuels on September 20, 2016. The U.S. Nuclear Regulatory Commission (NRC) staff plans to publish the draft MAPS Report for public comment following the meeting.

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.

Enclosure:
MAPS Report, Draft Report for Comment

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

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