

August 18, 2010

MEMORANDUM TO: Vonna Ordaz, Director
Division of Spent Fuel Storage and Transportation
Office of Nuclear Materials Safety and Safeguards

FROM: Raymond Lorson, Deputy Director /RA/
Technical Review Directorate
Division of Spent Fuel Storage and Transportation
Office of Nuclear Materials Safety and Safeguards

Douglas Weaver, Deputy Director /RA/
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation
Office of Nuclear Materials Safety and Safeguards

SUBJECT: APPROVAL OF INTERIM STAFF GUIDANCE DOCUMENT 25, (ISG-25),
“PRESSURE AND HELIUM LEAKAGE TESTING OF THE
CONFINEMENT BOUNDARY OF SPENT FUEL DRY STORAGE
SYSTEMS”

Enclosed is Interim Staff Guidance Document No. 25 (ISG-25) “Pressure and Helium Leakage Testing of the Confinement Boundary of Spent Fuel Dry Storage Systems,” for your approval. This ISG supplements standard review plan guidance for evaluating the helium leakage testing and ASME Code required pressure (hydrostatic/pneumatic) testing that is specified for the cask confinement boundary. This ISG is necessary because it specifies the acceptance tests that are necessary to clearly demonstrate that the cask has been fabricated in accordance with the design criteria, and that the operation of the cask complies with the intended safety bases of the confinement system and regulatory requirements.

This ISG has been revised in response to stakeholder comments. The revised version was presented to the Advisory Committee on Reactor Safeguards (ACRS), and the ACRS has no objection to issuing this ISG as final, as documented in their letter dated May 12, 2010.

The staff responses to stakeholder comments will be published as an attachment to this ISG. Therefore, we recommend that this ISG be approved.

Enclosure: ISG No. 25

CONTACT: Luis Cruz, NMSS/SFST
301-492-3270

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