

June 7, 2012

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards

FROM: Brooke Poole, Acting Director **/RA/**
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

SUBJECT: DRAFT SFST DIRECTOR'S INTERIM STAFF GUIDANCE
DOCUMENT NO. 8, REVISION 3, "BURNUP CREDIT IN THE
CRITICALITY SAFETY ANALYSES OF PWR SPENT FUEL IN
TRANSPORTATION AND STORAGE CASKS"

The purpose of this memorandum is to provide the Advisory Committee on Reactor Safeguards (ACRS) a copy of draft Interim Staff Guidance 8, Revision 3 (ISG-8), "Burnup Credit in the Criticality Safety Analyses of PWR Spent Fuel in Transportation and Storage Casks" (ML12115A303). This draft ISG and its supporting documents (Enclosures 2 through 7) are provided to the ACRS in preparation for the meeting on July 10, 2012 with the ACRS Subcommittee on Radiation Protection and Nuclear Materials.

This draft revision was issued for a 30-day public comment period on May 2nd, and will be revised to incorporate responses to public comments, as well as comments from the ACRS Subcommittee. At the July 10 meeting, staff will present the ISG and its supporting technical bases, along with the major public comments received and the staff's proposed resolutions to these comments. Final comment resolution and the revised ISG will be presented to the full ACRS at a later date.

Enclosures:

1. Draft ISG-8, Revision 3 (ML12115A303)
2. RES Report, *Estimating the Probability of Misload in a Spent Fuel Cask* (ML113191144)
3. NUREG/CR-7108 (ML12116A124)
4. NUREG/CR-7109 (ML12116A128)
5. Comments from Marcus Nichol, Nuclear Energy Institute (ML12156A265)
6. Comments from Dale Lancaster, Nuclear Consultants.com (ML12156A266)
7. Comments from Stefan Anton, Holtec International (ML12158A189)

CONTACT: Andrew Barto, NMSS/SFST
301-492-3336

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