

April 4, 2007

Mr. Donald Shaw  
Licensing Manager  
Transnuclear, Inc.  
7135 Minstrel Way, Suite 300  
Columbia, MD 21045

SUBJECT: PRELIMINARY CERTIFICATE OF COMPLIANCE AND SAFETY EVALUATION  
REPORT FOR AMENDMENT NO. 1 TO THE TN-68 DRY STORAGE CASK

Dear Mr. Shaw:

By letter dated January 14, 2005, as supplemented on July 15, and November 15, 2005; September 22, and December 8, 2006; and February 22, March 16, and March 23, 2007; Transnuclear, Inc., (TN) submitted an application for Amendment No. 1 to Certificate of Compliance (CoC) No. 1027 for the TN-68 Dry Storage Cask. The amendment requested, among several changes, to increase the allowable fuel burnup, minimum cooling times, decay heat, and fuel enrichment. The amendment also requests to include damaged fuel as authorized contents of the cask and to reduce the cask spacing on the storage pad.

The staff has prepared an amended preliminary CoC and supporting Safety Evaluation Report (SER) pursuant to the requirements of 10 CFR Part 72. Enclosed is a preliminary copy of the CoC, with its corresponding Technical Specifications, and SER for TN's review and identification of inaccuracies and omissions.

TN is requested to respond with any comments by close of business on April 11, 2007. If you have any comment or question concerning this request, please contact me at (301) 492-3287.

Sincerely,

/RA/

José R. Cuadrado, Project Engineer  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1027  
TAC No. L23802

Enclosures: 1. Preliminary CoC, including Appendix A  
2. Preliminary SER

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