November 02, 2004

Mr. U. B. Chopra
Licensing Manager
Transnuclear Inc.
39300 Civic Center Drive, Suite 280
Fremont, CA 94538-2324

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR REVIEW OF THE TRANSNUCLEAR NUHOMS® AMENDMENT NO. 9 APPLICATION (TAC NO. L23732)

Dear Mr. Chopra:

By letter dated April 21, 2004, as supplemented on May 28, 2004, Transnuclear Inc. submitted an amendment request to the U.S. Nuclear Regulatory Commission for Certificate of Compliance No. 1004. This amendment, Amendment No. 9, proposes to amend the authorized contents of NUHOMS®-32PT and the NUHOMS®-24PHB Dry Shielded Canister systems. On June 23, 2004, you were notified that the NRC staff had completed its acceptance review of your application and that your application contained sufficient information for staff to perform a detailed technical review. We also provided a proposed schedule for completing the technical review of your application.

The staff has determined that further information is needed to complete its technical review. The information requested is listed in the enclosure. Your response should be provided by January 3, 2005. If you are unable to meet this deadline, you must notify us in writing, at least two weeks in advance, of your new submittal date and the reasons for the delay. The staff will then assess the impact of the new submittal date and notify you of a revised schedule.

Please reference Docket No. 72-1004 and TAC No. L23732 in future correspondence related to this licensing action. If you have any questions, please contact me at (301) 415-1396.

Sincerely,

/RA/
L. Raynard Wharton, Project Manager
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No. 72-1004
TAC No. L23732

Enclosure: Request for Additional Information

Mr. U. B. Chopra
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Transnuclear Inc.
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** See previous concurrence ML043080149

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TRANSNUCLEAR INC.

DOCKET NO. 72-1004

REQUEST FOR ADDITIONAL INFORMATION

RELATED TO THE NUHOMS® SYSTEM AMENDMENT NO. 9

By application dated April 21, 2004, Transnuclear Inc. requested approval of an amendment to Certificate of Compliance No. 1004. The amendment proposes amending the authorized contents of the NUHOMS®-32PT and the -24PHB Dry Shielded Canister systems to the Standardized NUHOMS® storage system. This amendment expands the 32PT fuel specification and fuel qualification tables to include low enrichment and reconstituted fuel, and to reflect the required minimum boron loading concentration for Combution Engineering (CE) and some Westinghouse (WE) pressurized water reactor fuel designs. Additionally, it adds CE and WE class PWR fuel assemblies to the 24PHB authorized contents.

This request for additional information (RAI) identifies additional information needed by the U.S. Nuclear Regulatory Commission staff in connection with its review of the amendment. The requested information is listed by chapter number and title in the applicant's safety analysis report. NUREG-1536, "Standard Review Plan for Dry Cask Storage Systems," was used by the staff in its review of the amendment application.

Each individual RAI section describes information needed by the staff to complete its review of the application and the Safety Analysis Report and to determine whether the applicant has demonstrated compliance with the regulatory requirements.

CHAPTER M.5 Shielding Evaluation

5-1 Provide a definition and detailed description of reconstituted fuel.

This information is necessary to assure compliance with 10 CFR 72.124 and 72.236(d).