

March 27, 2009

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

SUBJECT: SECOND REQUEST FOR ADDITIONAL INFORMATION FOR  
REVIEW OF AMENDMENT 11 TO THE STANDARDIZED  
NUHOMS<sup>®</sup> SYSTEM (TAC NO. L24080)

Dear Mr. Shaw:

By letter dated April 10, 2007, Transnuclear Inc. (TN) submitted an amendment request to the U.S. Nuclear Regulatory Commission (NRC) for Certificate of Compliance (CoC) No. 1004. This amendment proposes to include the following changes to the Standardized NUHOMS<sup>®</sup> storage system:

- Convert the Technical Specifications (TS) to the format contained in NUREG-1745, "Standard Format and Content for Technical Specifications for 10 CFR Part 72 Cask Certificates of Compliance."
- Certain aspects associated with the light-weight transfer cask designated as the OS-197L.

On October 22, 2007, NRC staff provided a Request for Additional Information (RAI) based on their technical review of your application. You submitted your responses to that RAI on December 21, 2007.

The staff has determined that further information is needed to complete its technical review. The information requested is listed in the enclosure. Note that, during its review of the TN Standardized NUHOMS<sup>®</sup> Amendment No. 11, the staff, in addition to the technical issues identified in the attached RAIs, identified numerous quality-related problems which reflected inattention to detail on the part of the preparers and reviewers of the Safety Analysis Report (SAR). These quality-related problems are documented in RAI 5-35 through RAI 5-49. Collectively, these quality-related problems are of concern to the staff. TN is requested to document these quality-related problems in their corrective action system, identify the cause of these conditions, and identify the corrective action(s) taken to prevent repetition.

Your response should be provided by May 18, 2009. 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.

The schedule has changed from that previously provided. The updated schedule is provided below:

Issue RAI #2	March 27, 2009
Receive Response from TN	May 18, 2009
Issue Preliminary CoC and SER	August 7, 2009

The staff believes that given the nature and the complexity of the request for additional information (RAI) that a public meeting is warranted in order to answer any questions that you may have about the RAIs so that you can determine how best to respond. I will work with you to schedule a meeting at the earliest convenient time. In addition, given the extensive number of shielding and radiation protection RAIs (both technical and quality), the staff review of your RAI response may result in a schedule delay. We will notify you of any schedule changes as they are identified.

Please reference Docket No. 72-1004 and TAC No. L24080 in future correspondence related to this licensing action. If you have any questions, please contact me at (301) 492-3371.

Sincerely,

**/RA/**  
B. Jennifer Davis, Senior Project Manager  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 72-1004  
TAC No. L24080

Enclosure: Request for Additional Information

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B. Jennifer Davis, Senior Project Manager  
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Docket No. 72-1004  
 TAC No. L24080

Enclosure: Request for Additional Information

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 G:\SFST\Davis\tn 72-1004 amendment 11\tn standardized nuhoms amendment 11 rai #2 consolidated input.doc  
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<b>DATE:</b>	3/10/09		3/10/09		3/10/09		3/11/09		3/16/09		3/25/09	3/26/09
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<b>DATE:</b>	3/26/09		3/19/09		3/26/09							

\* See previous concurrence