



June 29, 2001  
NUH03-01-1707  
RMG-01-028

Mr. Timothy Kobetz  
Spent Fuel Project Office, NMSS  
U. S. Nuclear Regulatory Commission  
11555 Rockville Pike M/S 0-6-F-18  
Rockville, MD 20852

Subject: Application for Amendment No.5 of NUHOMS® Certificate of Compliance No. 1004 for Dry Spent Fuel Storage Casks, Revision 0

References: 1. Certificate of Compliance (CofC) No. 1004 Revision 2 and Proposed Amendments 3 and 4 to the CoC.  
2. Standard Review Plan for Dry Cask Storage Systems, NUREG-1536, January 1997.

Dear Mr. Kobetz:

Transnuclear West Inc. (TN West) herewith submits its Application for Amendment No. 5 of NUHOMS® Certificate of Compliance No. 1004. This application proposes to add another Dry Shielded Canister (DSC), designated the NUHOMS®-32PT DSC, to the authorized contents of the Standardized NUHOMS® System.

Transnuclear, Inc. is in discussions with three power plants for dry storage systems using the 32PT DSC. To support the needs of these plants, fabrication of the new canisters is planned to begin in early 2002 to support initial use in mid 2003.

The NUHOMS® -32PT DSC is a transportable canister designed to accommodate 32 PWR fuel assemblies. It is designed for use with the existing NUHOMS® Horizontal Storage Module (HSM) and NUHOMS® transfer cask (TC). No change to the HSM or TC designs is required to accommodate the new canister.

A new 32PT PWR assembly basket has been incorporated into the NUHOMS® -32PT DSC. The new basket design draws heavily on previously licensed TN-32 and the TN-68 designs along with incorporating features from the NUHOMS® -61BT DSC. Other design features of the NUHOMS® canister design have been maintained in order to minimize new areas of review and allow this amendment to be reviewed in an expeditious manner.

Transnuclear West Inc.  
39300 Civic Center Drive, Suite 280, Fremont, CA 94538  
Phone: 510-795-9800 • Fax: 510-744-6002

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The new NUHOMS® -32PT canister only minimally affects the operations of the NUHOMS® systems. These changes are fully addressed in Attachment C.

This submittal is organized in the following format to facilitate your staff's review:

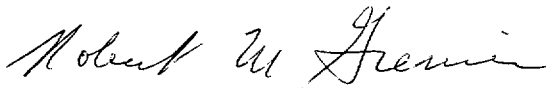
Attachment A: Description, Justification and Evaluation of Amendment Changes,  
Attachment B: Suggested Changes to Certificate of Compliance (Relative to Reference 1),  
Attachment C: Proposed Appendix M of the FSAR (Proprietary Information).

Appendix M includes a complete evaluation of the NUHOMS® -32PT DSC and is prepared in a format consistent with the Standard Review Plan for Dry Cask Storage (Reference 2). Where analyses are bounded by the existing FSAR, those sections of the FSAR are referenced. References preceded with an "M" refer to sections in the Appendix while those not preceded with an "M" refer to the FSAR.

This submittal includes proprietary information (Attachment C) which may not be used for any purpose other to support your staff's review of the application. In accordance with 10 CFR 2.790, I am providing an affidavit (Enclosure 1) specifically requesting that you withhold this proprietary information from public disclosure. Non proprietary versions of this submittal will be submitted under a separate cover next week.

TN West looks forward to working with you and your staff on this amendment. TN West is prepared to meet with you shortly after you have received this amendment to discuss the contents of the submittal and resolve any questions you might have. Should you or your staff require additional information to support review of this application, please do not hesitate to contact Mr. U. B. Chopra at 510-744-6053 or me at 510-744-6020.

Sincerely,



Robert M. Grenier  
President and Chief Operating Officer

Docket 72-1004

- Enclosures:
1. Affidavit for withholding proprietary information.
  2. Ten (10) copies of Application for Amendment No. 5 to COC 1004 (Proprietary Version).

**AFFIDAVIT PURSUANT**  
**TO 10 CFR 2.790**

Transnuclear West Inc.            )  
State of California                )     SS.  
County of Alameda                )

I, Robert M. Grenier, depose and say that I am President and Chief Operating Officer of Transnuclear West Inc., duly authorized to make this affidavit, and have reviewed or caused to have reviewed the information which is identified as proprietary and referenced in the paragraph immediately below. I am submitting this affidavit in conformance with the provisions of 10 CFR 2.790 of the Commission's regulations for withholding this information.

The information for which proprietary treatment is sought is contained in the documents included in Attachments C of this submittal and as listed below:

- FSAR Appendix M (Proprietary Version).

These sections of the document have been appropriately designated as proprietary.

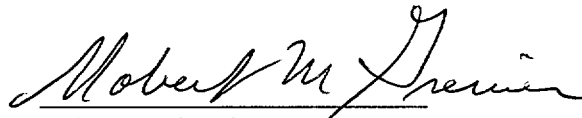
I have personal knowledge of the criteria and procedures utilized by Transnuclear West Inc. in designating information as a trade secret, privileged or as confidential commercial or financial information.

Pursuant to the provisions of paragraph (b) (4) of Section 2.790 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure, included in the above referenced document, should be withheld.

- 1) The information sought to be withheld from public disclosure is design drawings and calculations of NUHOMS® Cask, which is owned and has been held in confidence by Transnuclear West Inc.
- 2) The information is of a type customarily held in confidence by Transnuclear West Inc. and not customarily disclosed to the public. Transnuclear West Inc. has a rational basis for determining the types of information customarily held in confidence by it.
- 3) The information is being transmitted to the Commission in confidence under the provisions of 10 CFR 2.790 with the understanding that it is to be received in confidence by the Commission.
- 4) The information, to the best of my knowledge and belief, is not available in public sources, and any disclosure to third parties has been made pursuant to regulatory provisions or proprietary agreements which provide for maintenance of the information in confidence.
- 5) Public disclosure of the information is likely to cause substantial harm to the competitive position of Transnuclear West Inc. because:
  - a) A similar product is manufactured and sold by competitors of Transnuclear West Inc.

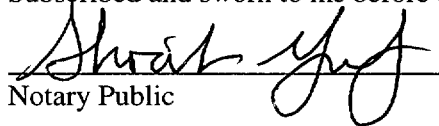
- b) Development of this information by Transnuclear West Inc. required thousands of man-hours and hundreds of thousands of dollars. To the best of my knowledge and belief, a competitor would have to undergo similar expense in generating equivalent information.
- c) In order to acquire such information, a competitor would also require considerable time and inconvenience related to the development of a design and analysis of a dry spent fuel storage system.
- d) The information required significant effort and expense to obtain the licensing approvals necessary for application of the information. Avoidance of this expense would decrease a competitor's cost in applying the information and marketing the product to which the information is applicable.
- e) The information consists of description of the design and analysis of a dry spent fuel storage and transportation system, the application of which provides a competitive economic advantage. The availability of such information to competitors would enable them to modify their product to better compete with Transnuclear West Inc., take marketing or other actions to improve their product's position or impair the position of Transnuclear West's product, and avoid developing similar data and analyses in support of their processes, methods or apparatus.
- f) In pricing Transnuclear West's products and services, significant research, development, engineering, analytical, licensing, quality assurance and other costs and expenses must be included. The ability of Transnuclear West's competitors to utilize such information without similar expenditure of resources may enable them to sell at prices reflecting significantly lower costs.

Further the deponent sayeth not.



Robert M. Grenier  
President and Chief Operating Officer  
Transnuclear West Inc.

Subscribed and sworn to me before this 29<sup>th</sup> day of June, 2001, by Robert M. Grenier.



Notary Public

