

February 16, 2006

MEMORANDUM TO: Mark Delligatti, Chief  
Rulemaking & Guidance Branch, Section B  
Division of Industrial and Medical  
Nuclear Safety, NMSS

FROM: Robert A. Nelson, Chief /RA/  
Licensing Section  
Spent Fuel Project Office, NMSS

SUBJECT: TRANSNUCLEAR, INC. (TN) NUHOMS® HD SYSTEM, RULEMAKING  
(TAC NO. L23738)

We have completed our technical reviews of the proposed Certificate of Compliance (CoC) No. 1030, the proposed Technical Specifications (TS), and the preliminary Safety Evaluation Report (SER) for the TN NUHOMS® HD System. The NUHOMS® HD System is discussed in the staff's preliminary SER. We are forwarding these documents to you for inclusion in the proposed rulemaking package for this canister system.

The NUHOMS® HD System provides for the horizontal storage of high burnup spent pressurized water reactor fuel assemblies in a dry shielded canister that is placed in a horizontal storage module utilizing a OS187H transfer cask. The system is an improved version of the Standardized NUHOMS® HD System described in CoC No. 1004. The NUHOMS® HD System has been optimized for high thermal loads, limited space, and radiation shielding performance.

The proposed CoC and TS, and preliminary SER have been placed in ADAMS (see reference below) and are available for your use in the rulemaking package. The Spent Fuel Project Office will designate these documents as Official Agency Records after the Executive Director for Operations has approved the package (ADAMS Package No. ML052860033).

Docket No. 72-1030

ADAMS References: 1. Proposed CoC (ML052860036)  
2. Proposed TS (ML052860043)  
3. Preliminary SER (ML052860049)

CONTACTS: Frank Gee, SFPO/NMSS  
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