

March 15, 2005

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

FROM: John D. Monninger, Chief **/RA/**  
Licensing Section  
Spent Fuel Project Office, NMSS

SUBJECT: TRANSNUCLEAR, INC. (TN) NUHOMS®-24PTH SYSTEM,  
AMENDMENT No. 8 - RULEMAKING (TAC No. L23653)

We have completed our technical reviews of the proposed Certificate of Compliance (CoC) No. 1004, Amendment No. 8, the proposed Technical Specifications (TS), and the preliminary Safety Evaluation Report (SER) for the TN NUHOMS®-24PTH System. The proposed changes to the CoC, including the TS, are indicated by vertical lines in the margin. The changes proposed for Amendment No. 8 are 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 changes proposed for Amendment No. 8 include: a new dry shielded canister (DSC) design, the -24PTH; a modified horizontal storage module, HSM-H; and a modified transfer cask, the OS197FC TC. The -24PTH design supports a maximum heat load of 40.8 kW, maximum initial enrichment of 5.0 weight %, maximum average burnup of 62GWd/MTU, and minimum cooling time of 3.0 years.

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. ML050750211).

Docket No. 72-1004

ADAMS References: 1. Proposed CoC No. 1004, Amendment 8 (ML050750221)  
2. Proposed TS (ML050750246)  
3. Preliminary SER (ML050750249)

CONTACTS: David Pstrak, SFPO/NMSS  
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Distribution: (Closes TAC No. L23653)  
NMSS r/f NJensen, OGC SBaggett

ML050750439 \*See Previous Concurrence

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