

September 16, 2005

MEMORANDUM TO: William H. Ruland, Deputy Director
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

FROM: Joseph M. Sebrosky, Senior Project Manager */RA/*
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF AUGUST 29, 2005, MEETING WITH
TRANSNUCLEAR, INC. ON NUHOMS® HD DESIGN (DOCKET
NO. 72-1030, TAC NO. L23738)

On August 29, 2005, the U.S. Nuclear Regulatory Commission (NRC) staff from the Spent Fuel Project Office, and Transnuclear Inc. (TN) met to discuss TN's NUHOMS® HD dry spent fuel storage system. The purpose of the meeting was to discuss corrective actions associated with the structural analysis used to support the 10 CFR Part 72 Certificate of Compliance (CoC) for the TN NUHOMS® HD design. Attached 1 is a list of attendees.

Handouts were provided during the meeting by both the staff and NEI. The handouts can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's public documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML052440048. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr@nrc.gov.

Highlights of the Meeting

The staff provided background information regarding the structural issues that were identified during the review of the NUHOMS® HD design. During the review the staff identified fuel cladding structural analysis issues and provided TN with two rounds of request for additional information (RAI) in this area. After the second round of RAIs the staff did not have sufficient information to make a licensing decision associated with the 75g end drop structural analysis for the fuel cladding. Consistent with SFPO's rules of engagement after two rounds of RAIs the staff provided TN with three options: 1) withdraw the application for the NUHOMS® HD design, 2) withdraw the 75g end drop analysis from the safety analysis report or 3) NRC terminate the review. TN chose to withdraw the 75g end drop structural analysis because it is not considered a credible event during 10 CFR Part 72 transfer operations. The staff stated during the meeting that it is reviewing TN's submittal to withdraw the 75g end drop analysis. While the 75g end drop analysis is no longer part of the licensing basis for the NUHOMS® HD design, the staff stated that it wanted TN to discuss the corrective actions it was taking in response to the fuel cladding structural analysis errors identified by the staff during the review.

TN briefed the staff on the preliminary results of its root cause evaluation and stated that it planned to complete the evaluation by September 30, 2005. TN's preliminary findings indicated two issues caused the problem: 1) overconfidence that the end results of the analysis would be acceptable and 2) time pressures to provide the response to the RAls. TN stated that short term corrective actions are in progress and that long term corrective actions will be based on the outcome of the root cause evaluation.

No regulatory decisions were made at the meeting.

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Attachment: Attendance List

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Attachment: Attendance List

DISTRIBUTION:
Docket 72-1030

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***see previous concurrence**

OFC:	SFPO	E	SFPO	E	SFPO	
NAME:	JSebrosky	DRiffle*			RLewis	
DATE:	09/16/05	9/15/05			09/13/05	

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

OFFICIAL RECORD COPY

TN and NRC Meeting

ATTENDANCE LISTS

<u>Name</u>	<u>Affiliation</u>
Bill Brach	NMSS/SFPO
Wayne Hodges	NMSS/SFPO
William Ruland	NMSS/SFPO
Robert Lewis	NMSS/SFPO
Gordon Bjorkman	NMSS/SFPO
Joe Sebrosky	NMSS/SFPO
Jose Cuadrado	NMSS/SFPO
Ray Wharton	NMSS/SFPO
Bob Tripathi	NMSS/SFPO
Alan Hanson	Transnuclear, Inc.
Tara Neider	Transnuclear, Inc.
Steven White	Transnuclear, Inc.
U. B. Chopra	Transnuclear, Inc.
Sam Shakir	Transnuclear, Inc.
Peter Shih	Transnuclear, Inc.
Jayant Bondre	Transnuclear, Inc.
David Shores	Exelon - Peach Bottom
Tom Brookmire	Dominion
Suzanne Leblang	NMC
Gary Walden	Duke Power
Alan Soler	Holtec International
Brian Gutherman	CST Associates
Carlyn Greene	WNC - Spent Fuel
Maureen Conley	McGraw Hill
Andrea Jennetta	Fuel Cycle Week

Attachment