

March 16, 2004

MEMORANDUM TO: Larry W. Camper, Deputy Director
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

FROM: Mary Jane Ross-Lee, Senior Project Manager /RA/
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF MARCH 4, 2004, PRE-APPLICATION MEETING WITH
TRANSNUCLEAR, INC. ON NUHOMS® 32PTH SYSTEM (DOCKET No.
72-1030, TAC No. L23709)

On March 4, 2004, representatives of the Nuclear Regulatory Commission (NRC), Transnuclear Inc. (TN), and Pacific Northwest National Laboratory (PNNL), met to discuss TN's proposed new application, the NUHOMS® 32PTH System. A representative of Virginia Electric and Power Company (Dominion) was also present.

The primary purpose of the meeting was to provide an overview of the NUHOMS® 32PTH System, and provide a summary of the evaluations performed for the NUHOMS® 32PTH System. TN plans to submit the application for review the end of March 2004.

The NUHOMS® 32PTH System has the following design characteristics: 32 pressurized water reactor assemblies, 34.8 KW maximum total heat load, 5 weight percent initial fuel enrichment, 60,000 MWD burnup, and as low as 5 year cooling time. The system is designed for both intact and damaged fuel assemblies. The horizontal storage module (HSM) and the transfer cask (TC) are similar to those utilized in other NUHOMS® systems. The TC, OS187H, will use a helium backfill for improved heat transfer performance. TN provided details on the structural, thermal, and nuclear evaluation for the NUHOMS® 32PTH System, which is provided in the attached handouts. TN emphasized the similarities between this design and other previously approved TN designs.

No regulatory decisions were made at the meeting. An attendance list is included as Attachment 1. Attachment 2 includes the handouts from the meeting.

Docket No.: 72-1030

Attachments: 1. Attendance List
2. Meeting Handout

MEMORANDUM TO: Larry W. Camper, Deputy Director March 26, 2004
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

FROM: Mary Jane Ross-Lee, Senior Project Manager /RA/
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

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DATE:	03/11/04	03/12/04			03/ 16 /04	

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TN, PNNL, and NRC Meeting

ATTENDANCE LISTS

<u>Name</u>	<u>Affiliation</u>
Mary Jane Ross-Lee	NRC/SFPO
Gordon Bjorkman	NRC/SFPO
John Monninger	NRC/SFPO
Robert Shewmaker	NRC/SFPO
Allen Hansen	NRC/SFPO
Chris Bajwa	NRC/SFPO
Raynard Wharton	NRC/SFPO
Jorge Solis	NRC/SFPO
Adelaide Giantelli	NRC/SFPO
David Tang	NRC/SFPO
Henry Lee	NRC/SFPO
Wayne Hodges	NRC/SFPO
Beth Schlapper	NRC/SFPO
Bill Brach	NRC/SFPO
Chris Brown	NRC/SFPO
Tom Michener	PNNL
Harold Adkins	PNNL
Mike Mason	TN
Kamran Tavassoli	TN
Peter Shih	TN
Alan Hanson	TN
Tom Brookmire	Dominion
Maureen Conley	Platts/McGraw Hill