

January 31, 2012

MEMORANDUM TO: Eric Benner, Acting Deputy Director
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

FROM: B. Jennifer Davis, Senior Project Manager */RA/*
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF DECEMBER 16, 2011, MEETING WITH
TRANSNUCLEAR, INC., TO DISCUSS PLANS FOR A 72.48
EVALUATION TO ALLOW THE USE OF INSTRUMENT TUBE TIE
RODS FOR CERTIFICATE OF COMPLIANCE NO. 1030

PURPOSE:

For Transnuclear, Inc. (TN) staff and the U.S. Nuclear Regulatory Commission (NRC) staff to discuss TN's plans for a 72.48 evaluation to allow the use of Instrument Tube Tie Rods (ITTRs) for Certificate of Compliance (CoC) No. 1030, for the NUHOMS[®] HD Horizontal Modular Storage System for Irradiated Nuclear Fuel.

MEETING SUMMARY:

The meeting took place on December 16, 2011, from 1:00 p.m. to 3:00 p.m., at the NRC's Executive Boulevard Building in Rockville, Maryland. Attendees included TN staff, NRC's Division of Spent Fuel Storage and Transportation (SFST) staff, Dominion Power staff, and a few members of the public. An attendance list is enclosed (Enclosure 1). The meeting began with introductions, introductory remarks by SFST staff and TN staff, and then moved into a discussion about TN's proposed approach for a 10 CFR 72.48 evaluation for allowing the loading and storage of "modified" fuel assemblies – fuel assemblies that have been fitted with ITTRs. For this evaluation, the fuel assemblies have a modified means of attaching the top nozzle to the rest of the fuel assembly using the ITTR.

For the 72.48 evaluation, TN will consider Condition 6 of CoC No. 1030, "[c]ontents of the NUHOMS[®] HD System must meet the fuel specifications in Appendix A (Technical Specifications [TS])," in this case, TS 2.1: Fuel to be Stored in the 32PTH DSC. For its proposed approach, TN considers that the "modified" fuel assemblies meet all of the requirements of CoC No. 1030, and the associated TS; that the ITTRs are non-separable constituents of the "modified" fuel assembly, and that therefore, no changes are required to the CoC or TS for qualification of "modified" fuel assemblies. NRC staff had some questions regarding structural integrity of the "modified" fuel assemblies for handling purposes, and there was some discussion regarding definitions for "non-separable constituents", and intact, damaged and failed fuel. NRC staff also pointed out that 72.48 evaluations are inspectable.

E. Benner

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TN currently plans to complete the 72.48 evaluation in the early part of calendar year 2012. The members of the public in attendance did not have any questions or comments, and no regulatory decisions were made at the meeting.

If you have any questions or comments, please contact Jennifer Davis at (301) 492-3371 or BJennifer.Davis@nrc.gov.

Docket No.: 72-1030

TAC No.: L60614

Enclosures:

As stated

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Enclosures:
As stated

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DISTRIBUTION:

NRC attendees BBenney

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ADAMS Package No. MLXXXXXXXX

OFC:	SFST		SFST		SFST	
NAME:	JDavis		WWheatley		CLipa	
DATE:	1/31/2012		1/31/2012		1/31/2012	

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December 16, 2011
ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Jennifer Davis	NRC/SFST
Michael Waters	NRC/SFST
Christian Araguas	NRC/SFST
Rob Temps	NRC/SFST
Matt Gordon	NRC/SFST
Jason Piotter	NRC/SFST
Raynard Wharton	NRC/SFST
John Goshen	NRC/SFST
Kristina Banovac	NRC/SFST
Steve Ruffin	NRC/SFST
Jon Woodfield	NRC/SFST
Peter Shih	TN
Don Shaw	TN
Prakash Narayanan	TN
Steve Streutker	TN
Randy Robins	Dominion Power
Cary LaRoe	Dominion Power
Marc Nichol	NEI
Maureen Conley	Platts/McGraw-Hill

ENCLOSURE 2: TN SLIDES
“Proposed Evaluation of ITTR Using 10 CFR 72.48 Process for the NUHOMS®-HD System,” December 16, 2011