

October 26, 2010

MEMORANDUM TO: Doug Weaver, Deputy Director  
Licensing and Inspection Directorate  
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 SEPTEMBER 9, 2010, MEETING WITH  
TRANSNUCLEAR, INC., TO DISCUSS THE PLANNED SUBMITTAL OF  
THE STANDARDIZED NUHOMS® STORAGE SYSTEM, AMENDMENT  
13 (COC 72-1004)

PURPOSE:

For Transnuclear, Inc. (TN) staff, U.S. Nuclear Regulatory Commission (NRC) staff, and stakeholders, to discuss TN's planned application for Amendment 13 to the Standardized NUHOMS® system.

MEETING SUMMARY:

The meeting took place on September 9, 2010, from 1:00 p.m. to 4:00 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, Office of Research staff, and some 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 the planned Amendment 13.

In NRC's opening remarks they indicated that although Amendment 12 (submitted in September 2009) was not reviewed due to the lack of appropriate funds for the Department of Energy's Transportation, Aging and Disposal (TAD) program, it was entered into the NRC system. TN requested that the rulemaking for Amendment 13 reflect the disposition of Amendment 12.

TN staff then discussed the scope and projected schedule for Amendment 13. The amendment will add two new dry shielded canisters (DSCs), the 69BTH and the 37PTH, which will include provisions for Mixed Oxide fuel contents. In addition, the Amendment will:

- add additional fuel types and control components to the 24PHB system,
- add high burn-up fuel assemblies for certain fuel types for the 32PT system,
- add higher heat loads and failed fuel cans (FFC) to the 61BTH system, consistent with the 71-9302 MP197HB application, currently under review by the NRC;

- add FFCs to the 24PTH system, consistent with the 71-9302 MP197HB application, currently under review by the NRC;
- allow blended low enriched uranium (BLEU) fuel assemblies in all DSCs,
- and will extend use of the OS200 Transfer Cask and the HSM-HS for storage of the 61BT, 32PT, 24PTH, and 61BTH DSCs.

TN currently plans to submit Amendment 13 in early Fiscal Year 2011. The amendment analyses are generally consistent with previously submitted analyses. For more detail, please see TN's slides in Enclosure 2.

In closing, NRC staff noted that although the Amendment 13 review is likely to overlap the Amendment 11 review, the Amendment 11 review is nearing completion, and therefore the overlap is unlikely to be problematic.

The members of the public in attendance did not have any questions or comments.

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](mailto:BJennifer.Davis@nrc.gov).

Docket No.: 72-1004

TAC No.: L24465

Enclosures:

As stated

- add FFCs to the 24PTH system, consistent with the 71-9302 MP197HB application, currently under review by the NRC;
- allow blended low enriched uranium (BLEU) fuel assemblies in all DSCs,
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As stated

**DISTRIBUTION:**

NRC attendees BWhite

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**ADAMS Package No. ML103020017**

<b>OFC:</b>	SFST	E	SFST		SFST	
<b>NAME:</b>	JDavis (electronic)		WWheatley		RJohnson	
<b>DATE:</b>	9/ 20 /2010		10/26/ 2010		10/ 26/2010	

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September 9, 2010  
ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Eric Benner	NRC/SFST
David Tang	NRC/SFST
Kristina Banovac	NRC/SFST
Jennifer Davis	NRC/SFST
Ata Istar	NRC/SFST
Rob Temps	NRC/SFST
Sarah Rich	NRC/SFST
Michel Call	NRC/SFST
Neil Day	NRC/SFST
Daniel Forsyth	NRC/SFST
Geoff Hornseth	NRC/SFST
Zeechung Wang	NRC/RES
Jayant Bondre	TN
Don Shaw	TN
Miguel Manrique	TN
Prakash Narayanan	TN
Kamran Tavassoli	TN
George Jackson	TN
Joy Russell	Holtec
Carlyn Greene	Ux Consulting

**ENCLOSURE 2: TN SLIDES**  
**“NRC/TN Pre-Submittal Meeting for CoC 1004 Amendment 13, September 9, 2010”**