

August 2, 2011

MEMORANDUM TO: Doug Weaver, Deputy Director
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation, NMSS

FROM: Jennie Rankin, Project Manager */RA/*
Licensing Branch
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: SUMMARY OF JULY 14, 2011, PRE-APPLICATION MEETING WITH
TRANSNUCLEAR, INC., TO DISCUSS AN AMENDMENT FOR THE
MODEL NO. TNF-XI TRANSPORT CASK

Background

A pre-application public meeting was held on July 14, 2011, in Rockville, Maryland, at the request of Transnuclear, Inc. (TN) to discuss an amendment to the Model No. TNF-XI transport cask. The meeting was noticed on June 27, 2011 (ML111790093). The meeting attendance list is provided as Enclosure 1. The meeting agenda is provided as Enclosure 2. The handout from the meeting is provided as Enclosure 3.

Discussion

The discussion generally followed the agenda (Enclosure 2). The primary reason for the meeting was to discuss adding polyethylene bags to the content description, upgrading the package from an AF-85 designation to an AF-96 designation, and removing an existing surface temperature requirement. The Model No. TNF-XI package has French and Japanese transportation certificates, in addition to the Nuclear Regulatory Commission (NRC) issued Certificate of Compliance (CoC). The purpose of this amendment is to align the NRC certificate with the French certificate, which is also currently being revised to include polyethylene bags as approved content.

During the discussion of adding polyethylene bags to the content description, TN described the methodology used in modeling the polyethylene bags in each of the package cavities to produce the most reactive scenario. The staff noted that because the proposed model confines the fissile material to the package cavities, a structural review may be needed to confirm the cavities are capable of adequately containing the fissile material.

TN discussed the areas in the Safety Analysis Report that were modified to meet the requirements of an AF-96 designation. TN also explained that since the payload did not generate heat, the existing CoC requirement to measure the surface temperature prior to shipment is not necessary. The staff noted that the required surface temperature measurement seemed unnecessary, but would further investigate the basis for the requirement during the review process.

TN plans to submit the amendment to the Model No. TNF-XI package by the end of July 2011. TN also noted that the revision to the French certificate is expected by October 2011, and that they plan to apply for a U.S. Department of Transportation revalidation of the French certificate in November 2011.

Docket No. 71-9301

TAC No. L24546

Enclosures:

1. Meeting Attendees
2. Agenda
3. Presentation Slides

D. Weaver

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1. Meeting Attendees
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Distribution:

NRC Attendees

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ADAMS Package No.: ML112150105 ADAMS Memo No.: ML112150115

OFC	SFST		SFST		SFST	
NAME	JRankin		MDeBose		MWaters	
DATE	7/21/11		07/25/2011		08/02/2011	

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**July 14, 2011, Public Meeting
Between Transnuclear, Inc. and
the Nuclear Regulatory Commission**

MEETING ATTENDANCE LIST

Jennie Rankin	NRC/SFST
Meraj Rahimi	NRC/SFST
Kim Hardin	NRC/SFST
David Tarantino	NRC/SFST
Joe Borowsky	NRC/SFST
Neil Day	NRC/SFST
Daniel Forsyth	NRC/SFST
Jimmy Chang	NRC/SFST
Steve Streutker	TN
Kamran Tavassoli	TN
Prakash Narayanan	TN
Nicolas Guibert	TN

Enclosure 1

Agenda for the
Model No. TNF-XI Pre-application
Public Meeting
July 14, 2011, 1:00 p.m. – 3:00 p.m.

Purpose: To discuss an amendment request to the Model No. TNF-XI transport package.

1:00 p.m. Introduction/Opening Remarks

1:10 p.m. Presentation on Addition of Polyethylene Bags as Approved Content

2:00 p.m. Presentation on Updating Package to an AF-96 Designation

2:50 p.m. Public Questions/Comments

2:55 p.m. Closing Remarks

3:00 p.m. Adjourn

Enclosure 2