March 23, 2010

NOTE TO: FILE

DOCKET NO: 71-9313

SUBJECT: 3/23/2010, 2:00PM, CONFERECE CALL WITH TRANSNUCLEAR TO DISCUSS THEIR RESPONSES TO THE STAFF'S SECOND ROUND REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE MODEL NO. TN-40 TRANSPORTATION PACKAGE.

Participants:	NRC/NMSS/SFST	Transnuclear, Inc.
	Meraj Rahimi	Peter Shih
	Joan Ireland	Steve Streutker
	Jimmy Chang	Kamran Tavassoli
		Jayant Bondre

DISCUSSION:

Transnuclear (TN) provided the following information during the call:

Containment

TN proposed the following actions in lieu of not having performed a leak test of the containment boundary, per ANSI 14.5, for the TN-40 cask units as part of the fabrication process.

1. Drill a hole through the weld between outer surface of the flange and the gamma shield and perform a helium sniff test or,
2. Perform a bag test of each loaded package prior to shipment by placing a bag around the package, pulling a vacuum, and testing for presence of any helium inside the bag.

The staff indicated that it will get back with TN about which option should be included in the SAR. However, the test sensitivities of these options will play an important role in the staff decision. TN agreed to provide the information about the sensitivities of the proposed tests.

Thermal

TN proposed to perform both radial and axial temperature measurements of the cask surface prior to shipment and compare them to the values calculated for the same conditions. In addition, TN proposed that as long as the measured values are within 25°F of the calculated values, the results should be acceptable. TN explained that the basis for 25°F is the tolerance for the gaps between the components which impact the heat transfer capabilities. Furthermore, TN explained that both cask axial and radial temperature surfaces have to be checked because of the available heat transfer pathways and the possibility of low heat transfer rate in one direction which would result in an increase in heat transfer rate in the other direction.