

November 7, 2005

MEMORANDUM TO: William H. Ruland, Deputy Director  
Licensing and Inspection Directorate  
Spent Fuel Project Office, NMSS

FROM: Nancy L. Osgood, Senior Project Manager /RA/  
Licensing Section  
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF NOVEMBER 3, 2005, MEETING WITH BNG FUEL  
SOLUTIONS REGARDING THE MODEL NO. MIDUS TRANSPORT  
PACKAGE

#### Background

A meeting was held on November 3, 2005, in Rockville, Maryland, at the request of BNG Fuel Solutions, to discuss the design of a new transportation package, the Model No. MIDUS. This was a follow-on from a meeting held on July 21, 2005. Attachment 1 is the list of meeting attendees, and Attachment 2 is the meeting handout. No regulatory decisions were made nor requested at the meeting.

#### Discussion

The meeting followed the attached meeting handout. The following points were discussed.

- BNG described design changes that they had made since the last meeting. The package was modified to incorporate a depleted uranium top plate to minimize dose rates under accident conditions.
- The package evaluation will be performed primarily by analytical methods. Physical tests will be performed to confirm and validate the analyses.
- Full scale specimens will be subjected to 30-foot free drop, puncture tests, and a thermal (oven) test. Two series of tests will be performed.
- BNG will request an expedited review schedule. BNG plans to submit the application in early March 2006. They have identified a need date of August 2006, which supports the expiration of the foreign certificate for the package design currently being used.

Docket No. 71-9320  
TAC No. L23870

Attachments: 1. Meeting Attendees  
2. Meeting Handouts

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- BNG described design changes that they had made since the last meeting. The package was modified to incorporate a depleted uranium top plate to minimize dose rates under accident conditions.
- The package evaluation will be performed primarily by analytical methods. Physical tests will be performed to confirm and validate the analyses.
- Full scale specimens will be subjected to 30-foot free drop, puncture tests, and a thermal (oven) test. Two series of tests will be performed.
- BNG will request an expedited schedule. BNG plans to submit the application in March 2006. They have identified a need date of August 2006, which supports the expiration of the foreign certificate for the old package design.

Docket No. 71-9320

TAC No. L23870

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2. Meeting Handouts

Distribution: NRC Attendees SBaggett LCampbell RBoyle, U.S.DOT

Filename: E:\Filenet\ML053110134.wpd

OFC	SFPO	E	SFPO	C	SFPO
NAME	NLOsgood		MRDeBose		JANelson
DATE	11/03/05		11/03/05		11/07/05

C=Without attachment/enclosure E=With attachment/enclosure N=No copy **OFFICIAL RECORD COPY**

**Meeting Between BNG Fuel Solutions  
and the Nuclear Regulatory Commission  
November 3, 2005**

**Meeting Attendees**

Andrew Barto	NRC/SFPO
Gordon Bjorkman	NRC/SFPO
Antonio Dias	NRC/SFPO
Henry Lee	NRC/SFPO
Bob Nelson (part time)	NRC/SFPO
Nancy Osgood	NRC/SFPO
David Tang	NRC/SFPO
Rob Temps (part time)	NRC/SFPO
Steve Sisley	BNG Fuel Solutions
Brandon Thomas	BNG Fuel Solutions
Henk Doornehor	Tyco Healthcare
Rob Emmelhamp	Tyco Healthcare