

September 1, 2006

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 AUGUST 30, 2006, MEETING WITH PACTEC AND DOE  
REGARDING DESIGN OF A PACKAGE FOR SHIPMENT OF  
UNIRRADIATED ATR FUEL

Background

A meeting was held on August 30, 2006, in Rockville, Maryland, at the request of the Packaging Technology (PacTec) on behalf of the Department of Energy (DOE) to discuss the design of a new transport package for unirradiated ATR fuel. The package will be a Type AF package. Enclosure 1 is the list of meeting attendees, and Enclosure 2 is the meeting handout. No regulatory decisions were made nor requested at the meeting.

Discussion

The discussion followed the enclosed meeting handout. The following points were discussed:

- PacTec is designing a package for the transport of unirradiated ATR fuel. PacTec presented the conceptual design for the package. The package will be composed of a 5-inch diameter stainless steel pipe surrounded by ceramic fiber insulation and a stainless steel outer shell. The lid incorporates a bayonet-style closure. A single fuel element is positioned with top and bottom aluminum fittings. Near-term activities include fabrication of five prototype units for engineering testing and operational evaluation.
- The preliminary plans for the package evaluation were provided. The applicant plans to use physical tests to demonstrate the package performance. After the engineering tests are complete, the certification test plan will be developed. PacTec plans to request another meeting to discuss the certification tests.
- PacTec presented a schedule for certification activities. The next meeting is planned for December 2006, and an application for package approval is scheduled to be submitted in June 2007. The need date was identified as December 2007.

Docket No. 71-9253

TAC No. L24003

Enclosures: 1. Meeting Attendees  
2. Meeting Handout

cc w/encls: J. Shuler, Department of Energy

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<b>NAME</b>	NLOsgood		MRDeBose		CRegan for NLO	
<b>DATE</b>	08/31/06		08/31/06		09/01/06	

August 30, 2006, Meeting  
between Department of Energy and Packaging Technology and  
the Nuclear Regulatory Commission

**MEETING ATTENDEES**

Michel Call	NRC/SFPO
Jerry Chuang	NRC/SFPO
Chuck Interrante	NRC/SFPO
Nancy Osgood	NRC/SFPO
Christopher Regan (part time)	NRC/SFPO
Robert Shewmaker	NRC/SFPO
David Tang	NRC/SFPO
Jeff Hansen	Idaho National Lab
Doug Toomer	Idaho National Lab
Craig Tyler	Idaho National Lab
W. Scott Edwards	PacTec
J. Greg Field	PacTec
Andrew Kee	PacTec
Phil Noss	PacTec
Richard Smith	PacTec