

September 2, 2005

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

FROM: Stacie S. Sakai, Project Manager /RA/  
Licensing Section  
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF AUGUST 25, 2005, MEETING WITH DURATEK INC.,  
REGARDING MODEL NO. 3-60B CASK FOR TRANSPORT OF  
RADIOACTIVE MATERIAL

#### Background

A meeting was held on August 25, 2005, in Rockville, Maryland, at the request of Duratek Inc., to discuss the design of a new transportation package, Model No. 3-60B. Attachment 1 is the list of meeting attendees, Attachment 2 are the drawings of the new cask, and Attachment 3 are the meeting slides. No regulatory decisions were made nor requested at the meeting.

#### Discussion

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

- Duratek Inc., will be the applicant and will hold the Certificate of Compliance.
- The package is relatively large (about 128 inches in length) and heavy (about 80,000 pounds). The package is composed of a cask body, a cask lid, front and rear impact limiters. Current plans are for transport of irradiated and/or contaminated dewatered solid materials, powdered or dispersible solid dewatered material, special form sources, processed solids, and dewatered resins. Additional package information was included in the meeting handouts.
- Duratek Inc., plans to use analysis for demonstrating compliance with Part 71 performance standards. Duratek Inc., did not include a criticality analysis because no more than exempt quantities of fissile materials will be permitted as contents. The certification approach was discussed and is included in the meeting handouts.
- The package was developed to replace the Model No. CNS 3-55 cask that expires on October 1, 2008.

- Duratek Inc., plans to submit an application for package approval sometime between January and July 2006. Approval is needed by May 2007 to allow time for fabrication of the first unit and before expiration of the Model No. CNS 3-55 on October 1, 2008.

Docket No. 71-9321  
 TAC No. L23881

- Attachments: 1. Meeting Attendees  
 2. 3-60B Cask General Arrangement and Details (Drawings)  
 3. Duratek 3-60B Cask Slides

Distribution: NRC Attendees SBaggett  
 Filename: G:\SFPO\Sakai\Meeting\Duratek Minutes.wpd **ML052520423**

<b>OFC</b>	SFPO	C	SFPO		SFPO		SFPO	
<b>NAME</b>	SSSakai		NLOsgood		MRDeBose		RJLewis	
<b>DATE</b>	08/31/05		08/31/05		09/01/05		09/02/05	

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

- Duratek Inc., plans to submit an application for package approval as early as January 2006 or as late as July 2006. Approval is needed by May 2007 to allow time for fabrication of the first unit and before expiration of the Model No. CNS 3-55 on October 1, 2008.

Docket No. 71-9321

TAC No. L23881

Attachments: 1. Meeting Attendees  
2. 3-60B Cask General Arrangement and Details (Drawings)  
3. Duratek 3-60B Cask Slides

**Meeting Between Duratek Inc., and the  
Nuclear Regulatory Commission  
August 25, 2005**

**Meeting Attendees**

Gordon Björkman	NRC/SFPO
Larry Campbell	NRC/SFPO
Jerry Chuang	NRC/SFPO
Allen Hansen	NRC/SFPO
Charles Interrante	NRC/SFPO
Elaine Keegan	NRC/SFPO
Henry Lee	NRC/SFPO
Robert Lewis	NRC/SFPO
Carlos Navarro	NRC/SFPO
Nancy Osgood	NRC/SFPO
Juan Peralta	NRC/SFPO
William H. Ruland	NRC/SFPO
Stacie Sakai	NRC/SFPO
Elizabeth Thompson	NRC/SFPO
Mirza Baig	Duratek Inc.
Mark Whittaker	Duratek Inc.
Charles Witt	Duratek Inc.