

October 25, 2005

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

FROM: Jessica M. Umana, Project Manager **/RA/**
Licensing Section
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF OCTOBER 13, 2005, MEETING WITH GE ENERGY
NUCLEAR AND ALPHA OMEGA SERVICES REGARDING THE AOS
PACKAGE DESIGN

Background

A meeting was held on October 13, 2005, in Rockville, Maryland, at the request of GE Energy Nuclear (GE) to discuss design approach and proposed testing methods for the Alpha Omega Services (AOS) package design. The attachment is the list of meeting attendees. No regulatory decisions were made nor requested at the meeting.

Introduction

GE came in for a meeting on January 11, 2005, to discuss their concept for a next generation of transportation packaging. The pre-application meeting on October 13, 2005, was held at the request of GE to discuss testing methods for the proposed family of packages.

Discussion

- GE presented a detailed discussion on the impact limiters as an integral part of the packaging. The effects of the drop test on the impact limiters were discussed with NRC staff.
- The package will be designed to use either elastomeric or stainless steel seals. GE plans to transport 450,000 Ci of cobalt-60 in the package. They will provide information regarding the margin on the seal type specifications for elastomeric seals. GE plans to use metal rings in the structural test and elastomeric seals in the fire test. After the drop test, GE will conduct a leak test check. The physical tests are scheduled for January 2006.
- The orientation for a drop, puncture, and fire test were discussed. It was noted that the orientations must be most damaging considering the entire test sequence. The staff suggested that GE take into account the possibility of the impact limiters coming off during the puncture test.
- GE presented information regarding a normal conditions thermal test of each unit.

- GE stated that the test specimen would be used in the fleet of transportation packages. Staff cautioned NRC needs to be notified in accordance with the regulations prior to the start of fabrication.
- GE will conduct a leak test check after the drop test. The tests are scheduled for January 2006.

Docket No. 71-9316
TAC No. L23911

Attachments: Meeting Attendees

- GE stated that the test specimen would be used in the fleet of transportation packages. Staff cautioned NRC needs to be notified in accordance with the regulations prior to the start of fabrication.
- GE will conduct a leak test check after the drop test. The tests are scheduled for January 2006.

Docket No. 71-9316

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Attachments: Meeting Attendees

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**Meeting Between GE Energy Nuclear, Alpha Omega Services and the
Nuclear Regulatory Commission
October 13, 2005**

Meeting Attendees

Larry Campbell	NRC/SFPO
Jerry Chuang	NRC/SFPO
Antonio Dias	NRC/SFPO
Robert Nelson	NRC/SFPO
Nancy Osgood	NRC/SFPO
David Tang	NRC/SFPO
Robert Temps	NRC/SFPO
Bob Tripathi	NRC/SFPO
Jessica Umana	NRC/SFPO
Scott Bump	GE Energy Nuclear
Raul Pomares	GE Energy Nuclear
Michael Schrag	GE Energy Nuclear
Troy Hedger	Alpha-Omega Services, Inc.