

December 14, 2006

MEMORANDUM TO: William H. Ruland, Deputy Director
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation, NMSS

FROM: Christopher M. Regan, Senior Project Manager
Licensing Branch /RA/
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: SUMMARY OF DECEMBER 11, 2006, MEETING WITH HOLTEC
INTERNATIONAL REGARDING THE HI-TRAC 100D-75 LIGHT
WEIGHT TRANSFER CASK

On December 11, 2006, the Nuclear Regulatory Commission (NRC) staff from the Division of Spent Fuel Storage and Transportation met with representatives of Holtec International (Holtec) at NRC Headquarters in Rockville, Maryland. The purpose of the meeting was to provide Holtec with the opportunity to present the staff with details of the HI-TRAC 100D-75 Light Weight Transfer Cask. The desired outcome of the meeting was to have an understanding of the HI-TRAC 100D-75 Light Weight Transfer Cask and clarification of the process applied by Holtec regarding implementation of the design under the provisions of 10 CFR 72.48. Enclosure 1 is a list of attendees; Enclosure 2 contains the Holtec presentation slides.

Holtec provided an overview presentation of the HI-TRAC 100D-75 design and a summary of the considerations for implementation under the provisions of 72.48 (Enclosure 2). Holtec indicated that the details of the 72.48 analysis have not been completed pending a contract with a buyer/user for the cask.

The staff questioned Holtec regarding the impact of reduced height and shielding and its affect on the thermal methodology and shielding analyses. Holtec indicated that the same thermal methodology would be applied as has been approved by the staff and that dose rates will not be significantly impacted. The staff also questioned Holtec on the structural impact of reduced wall thickness. Holtec stated that the stainless steel cask wall was only marginally reduced with respect to the reduction in lead shielding, noted also as being minimal, and would not have any significant affect on the ability of the cask to satisfy structural requirements. The staff asked if the HI-TRAC 100D-75 could be transported in the horizontal position as permitted by the Technical Specifications (TS). Holtec stated that there was no plan to permit movement of the HI-TRAC 100D-75 in the horizontal position and would examine the TS in question to determine if it is indeed applicable. The staff queried Holtec why, given the language in the Certificate of Compliance (CoC), which specifically identifies 100 ton HI-TRAC and 125 ton HI-TRAC transfer casks and the fact that the HI-TRAC 100D-75 has a weight of only 75 tons, the design could be implemented under the 72.48. Holtec noted they believe the language in the CoC would not preclude use of the nomenclature HI-TRAC 100D-75 and that use of a 75 ton light weight

W. Ruland

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transfer cask would still be governed by the language in the CoC and that it would not be necessary to apply for a CoC amendment. The staff expressed reservations regarding this interpretation of the CoC language.

No regulatory decisions were made by the NRC during the meeting on the material presented. There were no questions of note from the members of the public.

Docket No. 72-1014

Enclosures: 1. Attendance List
 2. Presentation Slides

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Enclosure 1

Attendee List

**Meeting with Holtec International
HI-TRAC 100D-75 Light Weight Transfer Cask
December 11, 2006**

ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Ed Hackett	NRC/NMSS/SFST
Bill Ruland	NRC/NMSS/SFST
Christopher Regan	NRC/NMSS/SFST
Michael Waters	NRC/NMSS/SFST
Nancy Osgood	NRC/NMSS/SFST
Bob Tripathi	NRC/NMSS/SFST
Bob Shewmaker	NRC/NMSS/SFST
David Tang	NRC/NMSS/SFST
Gordon Bjorkman	NRC/NMSS/SFST
Michel Call	NRC/NMSS/SFST
Joe Sebrosky	NRC/NMSS/SFST
Shana Helton	NRC/NMSS/SFST
Geoff Hornseth	NRC/NMSS/SFST
Elizabeth Thompson	NRC/NMSS/SFST
Elaine Keegan	NRC/NMSS/SFST
Randy Hall	NRC/NMSS/SFST
Stephan Anton	Holtec International
Pierre Oneid	Holtec International
Thecla Fabian	Fuel Cycle Week
Maureen Conley	Platts/McGraw-Hill
Carlyn Greene	Washington Nuclear Corp.
Wayne Hodges	H322 Consulting
Everett Redmond	NEI

Enclosure 2

Presentation Slides