

June 12, 2009

MEMORANDUM TO: Nader Mamish, Deputy Director  
Licensing and Inspection Directorate  
Division of Spent Fuel Storage and Transportation, NMSS

FROM: Kimberly Hardin, Senior Project Manager */RA/*  
Licensing Branch  
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: SUMMARY OF MAY 6, 2009, MEETING WITH THE DEPARTMENT OF ENERGY (DOE) AND WASHINGTON TRU SOLUTIONS (WTS) TO DISCUSS MODEL NO. RH-TRU 72-B TRANSPORTATION PACKAGE

#### Background

A meeting was held on May 6, 2009, in Rockville, Maryland, to discuss a planned revision to the Model No. RH-TRU 72-B package.

The meeting was noticed on April 20, 2009 (ML090960796). The meeting attendance list is provided as Enclosure No. 1.

#### Discussion

The discussion generally followed the agenda (Enclosure No. 2). The primary reason for the meeting was to provide staff with an introduction to a planned revision to the Model No. RH-TRU 72-B transportation package. This package is utilized to transport DOE waste to the Waste Isolation Pilot Plant (WIPP).

In this detailed meeting, staff, WTS, and DOE discussed the analyses for structural, thermal, shielding, and criticality to support a revision to allow neutron shielded canisters inside the cask containment boundary. This would allow the ability to ship Cm-240 and Cf-252 laden debris waste forms.

Structural response of the shielded components will be subject to hypothetical accident condition (HAC) 30 foot drops by physical tests. Normal conditions of transport (NCT) responses are considered bounded by the HAC tests. The drop test plan was discussed in some detail.

The thermal response, the dose rates, and the criticality safety to NCT and HAC will be determined by analysis.

The proposed schedule is to fabricate the test articles in June to September 2009, perform the drop tests in September 2009, and finalize the SAR for submittal in January 2010.

N. Mamish

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The presentation slides are shown in Enclosure 3.

Docket No. 71-9212

TAC No. L24338

Enclosures:

1. Meeting Attendees
2. Agenda
3. Presentation slides

The presentation slides are shown in Enclosure 3.

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Distribution:

NRC Attendees BWhite MWaters LCampbell CRegan

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|------|---------|--|---------|--|---------|--|
| OFC  | SFST    |  | SFST    |  | SFST    |  |
| NAME | KHardin |  | MDeBose |  | EBenner |  |
| DATE | 6/12/09 |  | 6/12/09 |  | 6/12/09 |  |

"C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy  
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**May 6, 2009, Meeting  
between  
DOE/Washington TRU Solutions  
and  
the Nuclear Regulatory Commission**

**MEETING ATTENDANCE LIST**

|                |                          |
|----------------|--------------------------|
| Kim Hardin     | NRC/SFST                 |
| Larry Campbell | NRC/SFST                 |
| Zhian Li       | NRC/SFST                 |
| Andrew Barto   | NRC/SFST                 |
| Todd Sellmer   | Washington TRU Solutions |
| Brad Day       | Washington TRU Solutions |
| Michael Brown  | DOE/CBFO                 |

**Agenda for the  
NRC/Washington TRU Solutions Meeting**

1. Introduction
2. Discussion of an Upcoming Revision Request for the Model No. RH-TRU 72-B Transportation Package
3. Question/Answer Session