

June 25, 2012

MEMORANDUM TO: Doug Weaver, Deputy Director
Division of Spent Fuel Storage and Transportation, NMSS

FROM: Jennie Rankin, Project Manager **/RA/**
Licensing Branch
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: SUMMARY OF JUNE 20, 2012, PUBLIC MEETING WITH
WASHINGTON TRU SOLUTIONS LLC, TO DISCUSS AN AMENDMENT
FOR THE MODEL NOS. TRUPACT-II AND HALFPACT
TRANSPORTION PACKAGES

Background

A public meeting was held on June 20, 2012, in Rockville, Maryland, at the request of Washington TRU Solutions LLC (WTS), to discuss an amendment to the Model Nos. TRUPACT-II and HalfPACT transportation packages. The application has been accepted for technical review by letter dated June 12, 2012 (ML12164A304). The meeting was noticed on June 6, 2012 (ML12157A570). The meeting attendance list is provided as Enclosure 1. The meeting agenda is provided as Enclosure 2. The handout from the meeting is provided as Enclosure 3.

Discussion

The discussion generally followed the agenda (Enclosure 2). WTS presented a brief overview of the mission and operation of the Waste Isolation Pilot Program (WIPP) and the role of the Model Nos. TRUPACT-II and HalfPACT transportation packages have in transporting transuranic waste to the WIPP for disposal. WTS also presented an overview of the package design and licensing basis of both packages and highlighted the similarities and key differences between the two packages.

WTS explained the primary application initiatives, which includes a new payload container, criticality control overpack (CCO), designed to ship increased fissile content waste. The CCO, if approved, will nearly double the shipping efficiency of plutonium oxides as compared to the current TRUPACT-II payloads. This will reduce the costs of procuring containers, as well as significantly reduce worker exposures. WTS discussed the design and testing of the CCO and highlighted the structural, thermal, criticality, and shielding certification basis.

In addition, WTS explained the revision to the shielding evaluation. This revision replaces the qualitative shielding evaluation, which has been based on pre-shipment surveys, with a comprehensive quantitative shielding evaluation. The new shielding evaluation establishes a methodology for implementing activity limits to satisfy the dose rate requirements under Normal Conditions of Transport and Hypothetical Accident Conditions. Lastly, WTS addressed the other initiatives of the application, which includes re-definition of the containment boundary, specification of a comprehensive qualification test requirements for containment o-ring seals,

and other packaging-related operational enhancements. WTS mentioned that several of the enhancements use the same methodology as the recently approved Model No. RH-TRU 72-B transportation package.

The review schedule was briefly discussed which projects that a Request for Additional Information (RAI) would be issued in late August 2012 and a Certificate of Compliance/Safety Evaluation Report in January 2013, based on WTS responding to RAIs in October 2012.

Docket Nos. 71-9218 and 71-9279
TAC Nos. L24642 and L24643

Enclosures:

1. Meeting Attendees
2. Agenda
3. Presentation Slides

D. Weaver

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Distribution:

NRC Attendees

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ADAMS Package No.: ML12177A277 ADAMS Memo No.: ML12177A286

OFC	SFST		SFST		SFST	
NAME	JRankin		MDeBose		MWaters	
DATE	6/21/12		6/21/12		6/25/12	

"C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy
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**June 20, 2012, Public Meeting
Between Washington TRU Solutions LLC and
the Nuclear Regulatory Commission**

MEETING ATTENDANCE LIST

Jennie Rankin	NRC/SFST
Rollie Berry	NRC/SFST
Kim Hardin	NRC/SFST
David Tarantino	NRC/SFST
Joe Borowsky	NRC/SFST
JoAnn Ireland	NRC/SFST
Daniel Forsyth	NRC/SFST
Jimmy Chang	NRC/SFST
Huda Akhavannik	NRC/SFST
Michael Waters	NRC/SFST
Jason Piotter	NRC/SFST
Zhian Li	NRC/SFST
Natreon Jordan	NRC/SFST
Brad Day	WTS
Todd Sellmer	WTS
James Rhoades	DOE

**Agenda for the
Model Nos. TRUPACT-II and HalfPACT
Public Meeting
June 20, 2012, 10:00 a.m. – 12:00 p.m.**

Purpose: To discuss the major application initiatives for the Model Nos. TRUPACT-II and HalfPACT transportation packages and the Waste Isolation Pilot Plant mission and operation.

- Introduction/Opening Remarks
- Overview of Waste Isolation Pilot Plant
 - Mission
 - Operations
- Overview of Application Major Initiatives
- CCO Design Overview
- CCO Design Parameters and Certification Basis
- Questions/Discussion
- Public Questions/Comments
- Closing Remarks
- Adjourn

Enclosure 2