

February 15, 2008

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 JANUARY 29, 2008, MEETING WITH DOE TO DISCUSS
THE MODEL NO. ES-3100 PACKAGE FOR TRANSPORT OF FISSILE
MATERIAL

Background

A meeting was held on January 29, 2008, in Rockville, Maryland, to discuss the design of the Model No. ES-3100 transport package. The Department of Energy (DOE) requested a meeting to discuss a request for a revision to Certificate of Compliance (CoC) No. 9315. DOE informed NRC staff in the meeting that the request was expected to be submitted on February 11, 2008. Subsequently, staff has been informed that the submittal date has been extended to on or about March 6, 2008.

The meeting was noticed on January 11, 2008 (ML0801604420). 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 discuss the upcoming submission of a revision to CoC No. 71-9315. This revision is necessary to support the Global Threat Reduction Initiative, DOE/NNSA, Foreign Research Reactor (FRR) program. It is expected to be an accelerated review of high priority. The FRR program has a window of opportunity to ship unirradiated research reactor fuel from the United Kingdom (UK) in June 2008. The UK will need to approve the shipment after the CoC is approved by the NRC.

The request includes shipment of fissile material by air. The contents requested include research reactor fuel elements or fuel components, broken metal, broken U-Al alloy, and oxides. The presentation was not specific in the exact contents requested for this shipment nor defined what has already been approved for ground transport. Staff made it clear that the application needs to clearly define each content and which of those contents has already been approved for ground transport in the current CoC. For those contents, the review would only consist of the air transport request. For any other requested contents, the review would be extensive. Staff also requested DOE to be clear on what contents are necessary for this specific shipment and requested a draft proposed CoC.

Staff also requested detailed information be provided on the pyrophoric aspects of the requested UO₂-Mg powder contents.

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A copy of the presentation slides is provided as Enclosure No. 3.

Staff plans to review the expedited request once a complete, detailed, and thorough application is received.

Docket No. 71-9315
TAC No. L24172

cc: R. Boyle, Department of Transportation

Enclosures:

1. Meeting Attendees
2. Agenda
3. Presentation Slides

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Distribution:

NRC Attendees

BWhite

(Closes TAC No. L24172)

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OFC	SFST	E	SFST		SFST	
NAME	KHardin		MDeBose		RNelson	
DATE	2/13/08		2/15/08		2/15/08	

"C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy
OFFICIAL RECORD COPY

**January 29, 2008, Meeting
between
DOE/BWXT Y-12
and
the Nuclear Regulatory Commission**

MEETING ATTENDANCE LIST

Robert Nelson	NRC/SFST
Larry Campbell	NRC/SFST
Nancy Osgood	NRC/SFST
Kim Hardin	NRC/SFST
Andrew Barto	NRC/SFST
Chris Bajwa	NRC/SFST
Zhian Li	NRC/SFST
Veronica Wilson	NRC/SFST
Christopher Regan	NRC/SFST
Jeremy Smith	NRC/SFST
Natreon Jordan	NRC/SFST
Bob Einziger (by phone)	NRC/SFST
Jeff Chamberlin	DOE/NNSA/NA-21
Jeff Arbital	BWXT Y-12
John Declue	BWXT Y-12
Jim Anderson	BWXT Y-12
Randy Dunavant	BWXT Y-12
Monty L. Goins	BWXT Y-12
David T. Johnson	BWXT Y-12
Marvin E. Bennett	ERC Inc./DOE Support for EM-63

Agenda for the
NRC/DOE Preapplication Meeting
For ES-3100 Package

1. Introduction
2. Discussion of future plans for use of the Model No. ES-3100 transportation package.
3. Discussion of FRR Program needs.
4. Schedule
5. Question/Answer Session