

From: "Arbital, Jeff G (AIJ)" <arbitaljg@y12.doe.gov>
To: "Kimberly Hardin" <KJH4@nrc.gov>
Date: 05/15/2007 8:50:12 AM
Subject: RE: Meeting summary

Kim,

The meeting notes appear to be very accurate. I had a couple of comments only...see the highlighted text on the attached.

Thanks
Jeff

-----Original Message-----

From: Kimberly Hardin [mailto:KJH4@nrc.gov]
Sent: Tuesday, May 15, 2007 8:05 AM
To: Arbital, Jeff G (AIJ)
Subject: Meeting summary

Jeff,

I have attached a draft meeting summary. Please comment today, if possible, so that I can get this out. I will look forward to hearing from you whether you have comments or not.

Thanks,

Kimberly J. Hardin
Project Manager
U.S. Nuclear Regulatory Commission
Spent Fuel Storage and Transportation
Mailstop 6003 3D02M
Washington, DC 20555-0001
Phone # 301-492-3339
Fax # 301-492-3348

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Subject: RE: Meeting summary
Creation Date 05/15/2007 8:49:27 AM
From: "Arbital, Jeff G (AIJ)" <arbitaljg@y12.doe.gov>
Created By: arbitaljg@y12.doe.gov

Recipients

nrc.gov
OWGWPO04.HQGWDO01
KJH4 (Kimberly Hardin)

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ES-3100 Meeting Summary 5-10-07 - JA.wpd		25839
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MEMORANDUM TO: William H. Ruland, Deputy Director
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation, NMSS

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

SUBJECT: SUMMARY OF MAY 10, 2007, MEETING WITH DOE TO DISCUSS THE
MODEL NO. ES-3100 PACKAGE FOR TRANSPORT OF FISSILE
MATERIAL

Background

A meeting was held on May 10, 2007, 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 requests for revisions 4 and 5 to Certificate of Compliance (CoC) No. 71-9315 that are under review and their associated RAIs dated May 9, 2007. Revision 3 to this CoC was issued on May 8, 2007 and was also discussed at this meeting. DOE plans to submit responses for revision 4 by May 31, 2007 and for revision 5 by June 30, 2007.

The meeting was noticed on April 25, 2007, (ML071150400). 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 RAIs for revisions 4 and 5 to CoC No. 71-9315 dated May 9, 2007. These revisions request air transport of fissile material (10 CFR 71.55(f)) and a revised definition of pyrophoric uranium, respectively. Each specific RAI was discussed one at a time.

By the end of the meeting, a common understanding was reached regarding specific responses. Primarily, for air transport of fissile material, the applicant agreed to be very specific regarding all aspects of the requested contents (TRIGA fresh fuel). The complete and thorough responses will include parameters important to safety including the diameter, length, enrichment, and fissile mass limits of the TRIGA fuel pellets and a proposed CoC including these parameters. A limit will be included in the proposed CoC for the amount of hydrogenous material that may be in, and part of, the packages used for air transport. A criticality safety analysis showing the bounding condition for the worst case scenario to meet 10 CFR 71.55(f), without dependence on any structural configuration of the fissile mass and hydrogenous material, will be provided. Additionally, effects, if any, that revision 3 of this CoC may have on this application will be described.

The applicant plans to present detailed responses to support the revision request to change the definition of pyrophoric uranium, including reviewing the references and revising major portions of the SAR. Change the end of this sentence to, "...and revising the pyrophoric discussion in Appendix 1.4.10 of the SAR."

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

Staff plans to complete the expedited review once complete, detailed, and thorough responses are received.

Docket No. 71-9315

TAC No. L24057 and L24063

cc: R. Boyle, Department of Transportation

Enclosures:

1. Meeting Attendees
2. Agenda
3. Presentation Slides

**May 10, 2007, Meeting
between
DOE/BWXT Y-12
and
the Nuclear Regulatory Commission**

MEETING ATTENDANCE LIST

Bill Ruland	NRC/SFST
Nancy Osgood	NRC/SFST
Kim Hardin	NRC/SFST
Andrew Barto	NRC/SFST
Bernie White	NRC/SFST
John Wray	NRC/SFST
Bob Einziger	NRC/SFST
Jason Piotter	NRC/SFST
Chris Bajwa	NRC/SFST
Joe Bozik	DOE/NNSA
Jeff Arbital	BWXT Y-12
Russ Schmidt	BWXT Y-12
Bruce Wilson	BWXT Y-12
John DeClue	BWXT Y-12
Keith Pilcher	BWXT Y-12
Randy Dunavant	BWXT Y-12
Marvin E. Bennett	ERG/DOE Support Contractor

**Agenda for the
NRC/DOE RAI Review Meeting
For ES-3100 Package Amendment Request**

1. Introduction
2. Discussion of RAIs for Air Transport of Fissile Material Revision Request to CoC No. 71-9315
3. Discussion of RAIs for Definition of Pyrophoric Uranium Revision Request to CoC No. 71-9315
4. Discussion of CoC No. 71-9315 changes to Table 2
5. Schedule
6. Question/Answer Session