

FEB 17 1994

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STSB:CJW
71-9032

Amersham Corporation
ATTN: Ms. Cathleen Roughan
40 North Avenue
Burlington, MA 01803

Dear Ms. Roughan:

This refers to your application dated September 24, 1993, requesting an amendment to Certificate of Compliance No. 9032 for the Model No. 650 shipping package.

In connection with our review, we need the information identified in the enclosure to this letter.

Please advise us within 30 days from the date of this letter when this information will be provided. Additional information requested by this letter should be submitted in the form of revised pages. If you have any questions regarding this matter, we would be pleased to meet with you and your staff. Dr. Carl Withee is the project manager for our review of your application. Dr. Withee may be contacted at (301) 504-2358.

Sincerely,

Original Signed by
Cass R. Chappell

Cass R. Chappell, Section Leader
Cask Certification Section
Storage and Transport Systems Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure: As stated

OFFC	STSB	<i>E</i>	STSB	<i>DE</i>	STSB	<i>C</i>	STSB	<i>E</i>				
NAME	CJWithee	<i>CJW</i>	LYang	<i>LY</i>	ERZiegler	<i>ERZ</i>	RChappell	<i>RC</i>				
DATE	1/15/94		1/28/94		1/3/94		2/17/94					

C = Cover

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N = No Copy

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PDR ADDCK 07109032
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Encl to ltr dtd: _____

Drawings

1. Revise Drawing No. 65002, Sheet 1, Rev. E, to specify the maximum thickness of the lead and of the tungsten when used as supplementary shielding. Note that the shielding loss analysis in Chapter 3 assumes a maximum supplementary lead shield thickness of 1/4 inch.
2. Revise the drawings to show the method of attachment for the supplementary shielding.
3. Provide legible copies of the drawings. Note that the title block and revision record of Drawing No. 65002, Sheet 3, Rev. E, are illegible.

General

1. Revise the analysis in Section 3.6.2 to show that the surface temperature of the package does not exceed the limits specified in 10 CFR §71.43 for exclusive use or non-exclusive use, as appropriate.
2. Revise the second paragraph in Section 1.2.1 on page 1-1 and the first paragraph in Section 2.4.4 on page 2-2 to delete the references to depleted uranium as a supplementary shielding material. Note that only tungsten and lead are specified in the drawings.