

STSB:MGB  
71-9033

DEC 15 1993

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. 9033 for the Model 660 series packages.

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. Marissa Bailey is the project manager for our review of your application. Ms. Bailey may be contacted at (301) 504-2181.

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

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Encl. to ltr. dtd.: \_\_\_\_\_

### Drawings

1. Revise the application to include Drawing No. 66030, Sheets 1, 2, 3, and 4, Rev. -, which is for the narrow-body 660 package with a non-automatic lock.
2. Changes were made to Drawing No. 66025, Rev. B (wide-body 660), and to Drawing No. 66030, Rev. A (narrow-body 660A). However, the revision numbers on these drawings were not changed. Assign a new and unique revision number to each of these drawings. Note that Revisions A through E have previously been assigned to Drawing No. 66025, and Revisions A through C have previously been assigned to Drawing No. 66030. Therefore, these drawing revision numbers should not be re-used.
3. Revise Drawing No. 66025, Rev. E (wide-body 660B), and Drawing No. 66030, Rev. C (wide-body 660A), to specify the material of the additional shield around the depleted uranium. Note that when the drawings are revised, a new and unique revision number should be assigned to each drawing.

### General

Page 1-1 of the application specifies a shield assembly weight of  $34 \pm 3$  lbs. However, page 1-2 of the application specifies a shield assembly weight of  $37 \pm 3$  lbs. Revise the application to correct this inconsistency. The shield weight specified in the text of the application should be consistent with the shield weight specified in the drawings.

### Thermal

Correct a typographical error in the second paragraph of Section 3.5.1 of the application. The Ir-192 activity should be 140 curies instead of 240 curies.

### Operating Procedures

Revise Step 7 in Section 7.3 of the application to replace the words "Return the container to Amersham Corporation" with "Complete shipment of the package."

Acceptance Tests and Maintenance Program

1. Revise the third paragraph in Section 8.1.1 of the application to specify that the package will be inspected to assure that it was fabricated in accordance with Drawing No. 66025 or Drawing No. 66030.
2. Revise the section titled Exposure Device, in Appendix A of the application (beginning on page 8-3), to specify whether the maintenance steps given in this section apply to all 660 models or only to 660 models with the non-automatic lock.
3. Step 27 on page 8-5 of the application refers to Appendix 8.3. However, there is no Appendix 8.3 in the application. Revise the application accordingly.