

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES  
SAFETY EVALUATION OF A SEALED SOURCE  
(AMENDED IN ITS ENTIRETY)

No.: NR-0155-S-116-S

DATE: March 7, 2006

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SOURCE TYPE: Radioluminous Lamp

MODEL: 11834818

MANUFACTURER/DISTRIBUTOR: Department of the Army  
U.S. Army TACOM Life Cycle  
Management Command  
AMSTA-CS-CZR  
(Previously U.S. Army Tank-  
Automotive & Armaments Command)  
Rock Island, IL 61299-7630

ISOTOPE:

MAXIMUM ACTIVITY:

Hydrogen-3

0.8 Curie (29.6 GBq)

LEAK TEST FREQUENCY:

As specified in the user's materials  
license

PRINCIPAL USE: (R) Gas Sources

For use in Model M224 range indicator

CUSTOM SOURCE:  YES  NO

CUSTOM USER: U.S. Department of Defense

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SOURCE TYPE: Radioluminous Lamp

DIAGRAM:

See Attachments 1 & 2.

REFERENCES:

The following supporting documents for the Model 11739555 radioluminous lamp are hereby incorporated by reference and are made a part of this registry document:

- Department of the Army letter dated March 20, 1995, requesting changes to specific certificates, and letters dated January 22, 2001, May 23, 2001, and March 24, 2004, with enclosures thereto.
- Department of the Army email received September 23, 2005, with enclosures thereto.
- Department of the Army facsimile dated December 12, 2005, with enclosures thereto.
- U.S. Department of the Army License No. 12-00722-06.

ISSUING AGENCY:

US Nuclear Regulatory Commission

Date: March 7, 2006

Reviewer: Tomas Herrera  
Tomas Herrera

Date: March 7, 2006

Concurrence: John P. Jankovich  
John P. Jankovich



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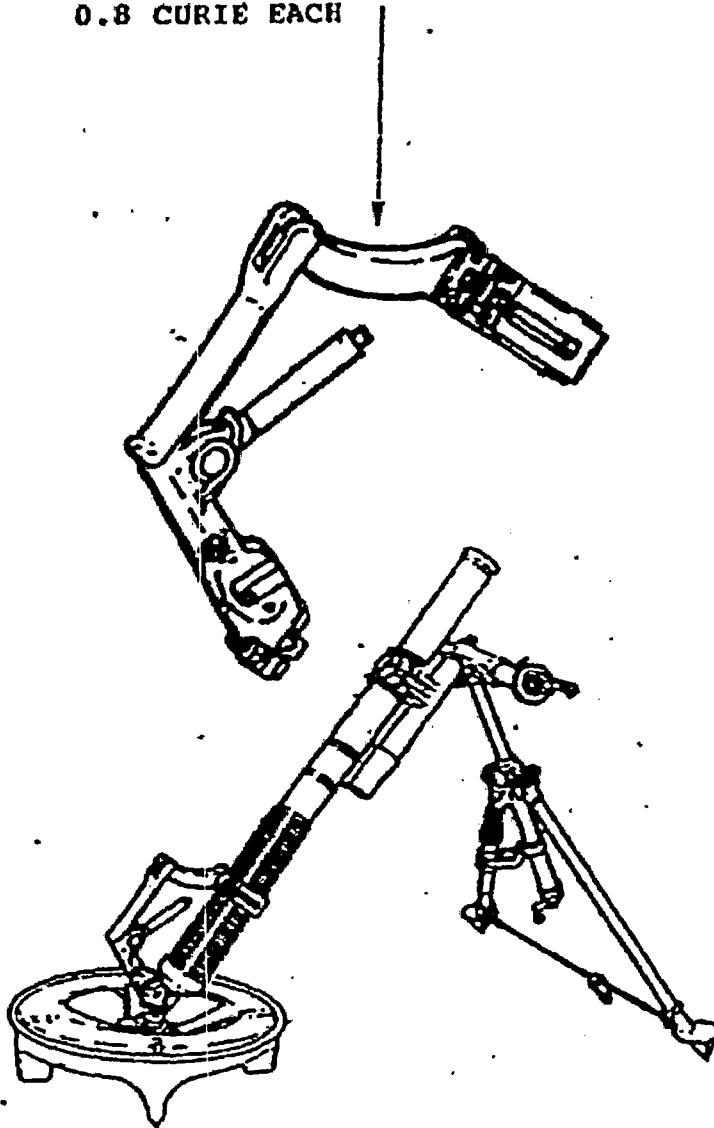
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ATTACHMENT 2 OF 2

MORTAR, 60 MM, M224  
RADIOACTIVE SOURCE LOCATION

RANGE INDICATOR ASSEMBLY  
PN 9360374  
SOURCE PN 11834818 (4)  
0.8 CURIE EACH



TOTAL TRITIUM PER ASSEMBLY: 3.2 CURIE