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SOURCE TYPE: Radioluminous Lamp

MODEL: 11729510-1 or 11729510-2

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:

0.05 Curie (1.85 Gbq) for 11729510-1 Hydrogen-3

0.075 Curie (2.78 Gbg) for 11729510-2

<u>LEAK TEST FREQUENCY</u>: As specified in the user's materials

license

PRINCIPAL USE: (R) Gas Sources

For use in the following device model numbers:

M18 Fire Control Quadrant M134A1 Mount Telescope M171 Mount Telescope and

Ouadrant

M17 Fire Control Quadrant M1A2 Gunner Quadrant

M187 Mount, Telescope and Quadrant

M14A1 Fire Control Quadrant

Sight Unit (Model 11729510-1 only)

M64 Sight Unit (Model 11729510-1 only)

CUSTOM SOURCE: X YES NO

CUSTOM USER: U.S. Department of Defense

No.: NR-0155-S-104-S <u>DATE</u>: March 7, 2006 <u>PAGE 2 OF 2</u>

SOURCE TYPE: Radioluminous Lamp

DIAGRAM:

See Attachments 1 through 8.

REFERENCES:

The following supporting documents for the Model 11729510-1 and 11729510-2 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:

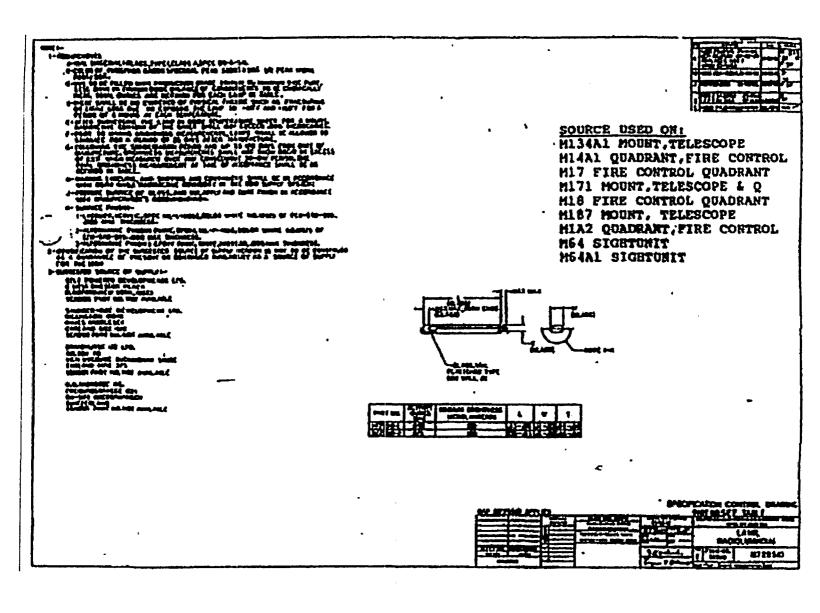
US Nuclear Regulatory Commission

Date: March 7, 2006 Reviewer: 50mm Wurt

Tomas Herrera

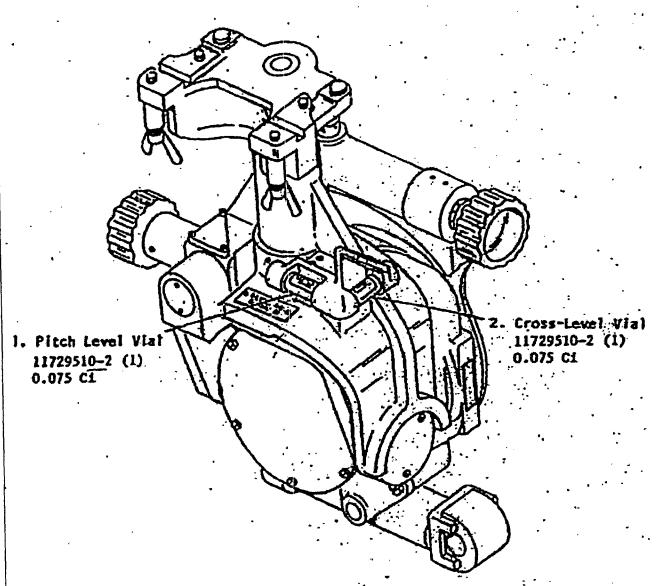
Date: March 7, 2006 Concurrence: John P. Jankovich

No.: NR-0155-S-104-S DATE: March 7, 2006 ATTACHMENT 1 OF 8



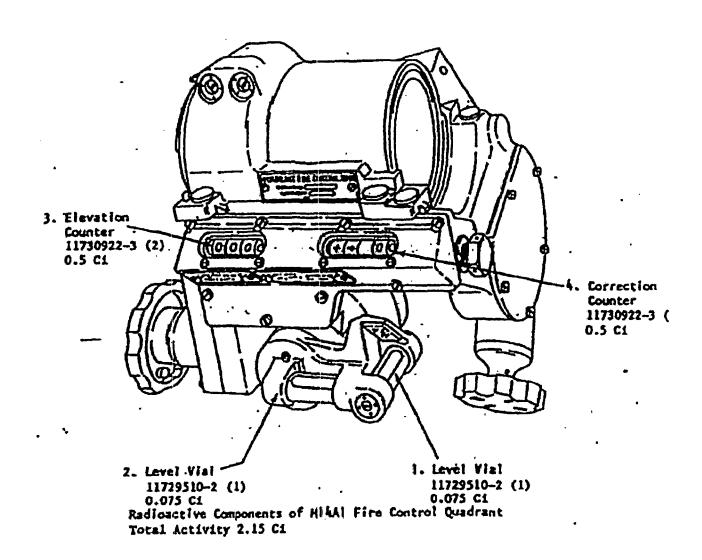
No.: NR-0155-S-104-S DATE: March 7, 2006

ATTACHMENT 2 OF 8

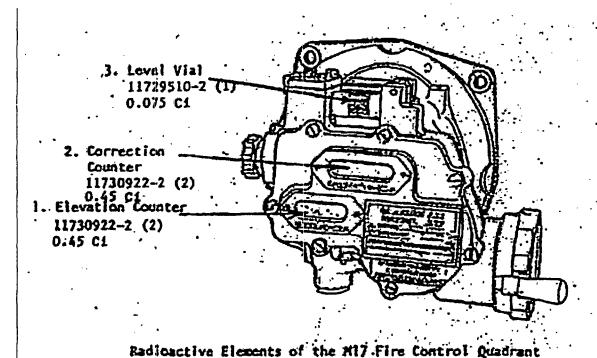


Radioactive Components of Ni34Al Mount Telescope Total Activity 0.15 Ci

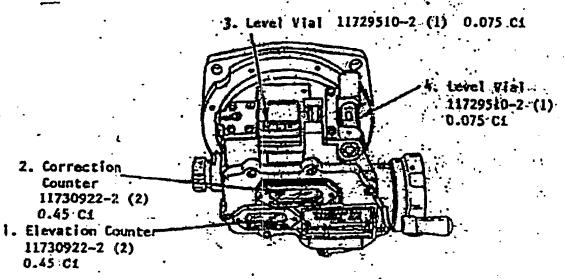
No.: NR-0155-S-104-S DATE: March 7, 2006 ATTACHMENT 3 OF 8



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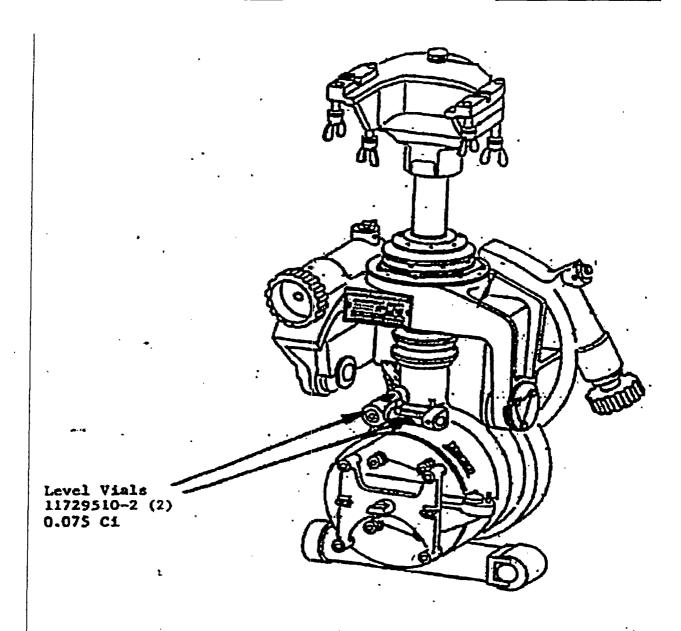
Total Activity 1.875 Ci



Radioactive Elements of the MIS Fire Control Quadrant Total Activity 1.95 Ci

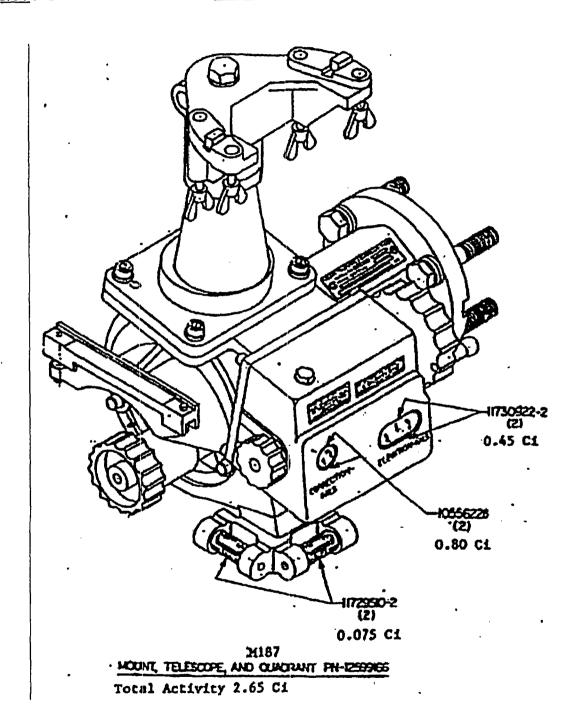
RE · GI

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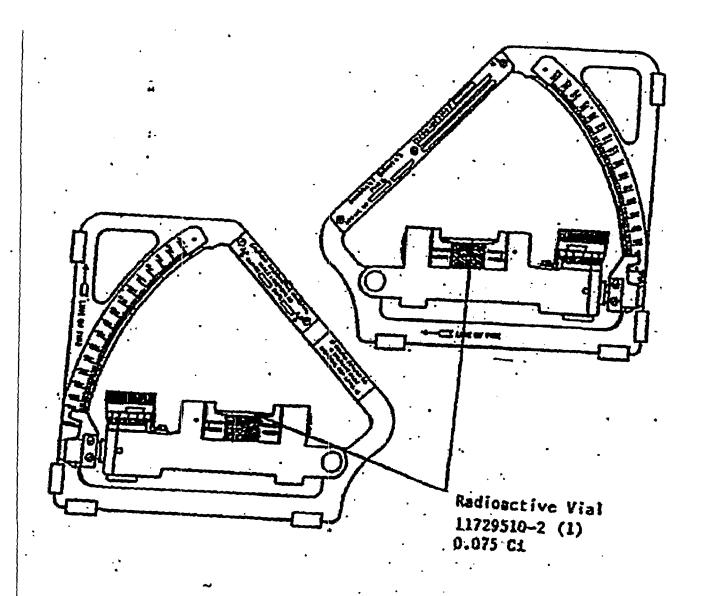


M171 Mount Telescope Total Activity 0.15 Ci

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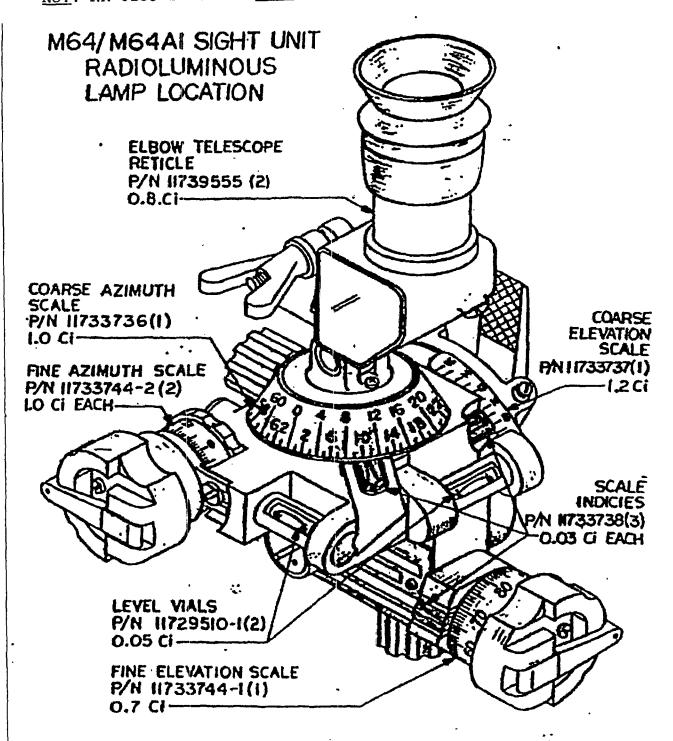


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Radioactive Component of the MIA2 Gunner's Quadrant Total Activity 0.075 Ci

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TOTAL TRITIUM PER SIGHT UNIT 6.69 CURIES