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Weekly Reading File

JUN 16 1983

Nuclear Research Corporation
ATTN: Subash Sengupta
Physicist
125 Titus Avenue
Warrington, Pennsylvania 18976

Gentlemen:

This refers to your letter dated April 29 1983, for an amendment to Materials License 37-02401-01 to include manufacturing and distribution of exempt quantities of byproduct material.

Your request for authorization to manufacture these items is subject to an amendment fee of $110 as specified in fee Category 3A of Section 170.31 of the enclosed 10 CFR 170. In addition, your request for a license to distribute these items is subject to an application fee of $190 as specified in fee Category 3J and Footnote 1(d) of Section 170.31, 10 CFR 170. Footnote 1(d) states in part that an application for amendment to a materials license that would place the license in a higher fee category or add a new category shall be accompanied by the prescribed application fee for the new category. Payment of the $300 should be made to the U.S. Nuclear Regulatory Commission and mailed to my attention. When submitting the $300 fee, please refer to CONTROL NUMBER 14768.

Your application will be sent to the Licensing staff for processing upon receipt of the $300 fee. If you have any questions concerning this matter, please let us know.

Sincerely,

Original Signed By
Glenda Jackson

Glenda Jackson
License Fee Management Branch
Office of Administration

Enclosure:
10 CFR 170

OFFICE	LFMB:ADM	LFMB:ADM					
SURNAME	FBrown:rej						
DATE	6/16/83						

NUCLEAR
RESEARCH
CORPORATION

125 Titus Avenue
Warrington, Pa. 18976
Phone: 215-343-5900

Applicant 28667
Check No. #300
Amount/Fee Category Amendment
Type of Fee 4/4/83
Date Check Rec'd.
Received By Brown

3A
#110

'83 MAY -6 P3:05

-01

RECEIVED BY LFMB
Date 5/10/83
Log May 6 amend
By Jacques
Orig. To
Action Compl. 7/7/83

April 29, 1983

Mr. Paul Guinn
U.S. Nuclear Regulatory Commission
Material Licensing Branch
Division of Fuel Cycle and Material Safety
Washington, DC 20555

Subject: Amendment to License No. 37-02401-01

Gentlemen:

Nuclear Research Corporation requests amendment to License No. 37-02401.

This amendment will authorize Nuclear Research Corporation to manufacture, fabricate, distribute exempt quantity by-product material as per 10 CFR 30.71, Schedule B, with atomic no. 3 thru 83. The by-product material will be used as an internal calibration check source or for standardization of ionizing radiation measuring instruments. The maximum amount of unsealed by-product material on hand at any one time will not exceed 1 Ci per nuclide. Nuclear Research Corporation manufactures variety of Radiac Instruments for the U.S. Department of Defense as well as Radiation Monitoring Instruments for nuclear power plants.

The sources will be loaded in source holders (typical) as per attachment #1, and behind protective lead barrier (typical) as per attachment #2. The source loading operation will be performed in a restricted area and the workers will wear film badges (whole body) and TLD finger badges for personnel monitoring.

Prior and after each source loading operation, the area and the individual will be surveyed with a sensitive survey meter for any presense of sources or contamination.

The source holders will be appropriatly marked, nuclide, quantity and radiation label. Also, wipe test will be performed as per ANSI standard N 5.10. (1968)

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Dupe

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INSPECTION AND ENFORCEMENT

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Procedure for personnel monitoring and handling radioactive material will be followed as outlined in the Nuclear Research Corporation Manual which is on file with the Commission.

Should you have any questions or need further information, please don't hesitate to contact us and please let us know the license amendment fees. We shall send the fees as soon as we hear from you. Your prompt attention to this matter would be appreciated.

Sincerely yours,

NUCLEAR RESEARCH CORPORATION

Subhash Sen Gupta

Subash Sengupta
Physicist

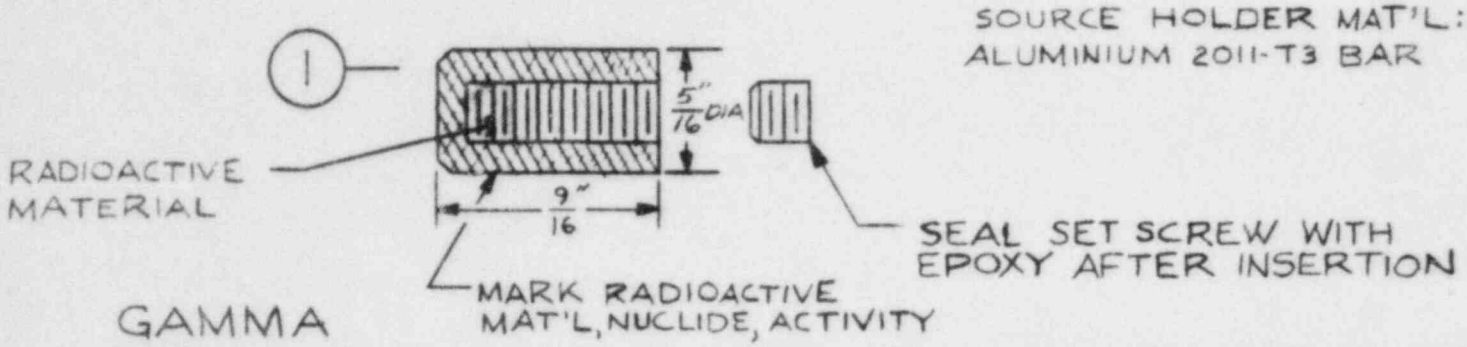
SS/clb

Enclosures:
Attachments: #1 Typical Check Sources

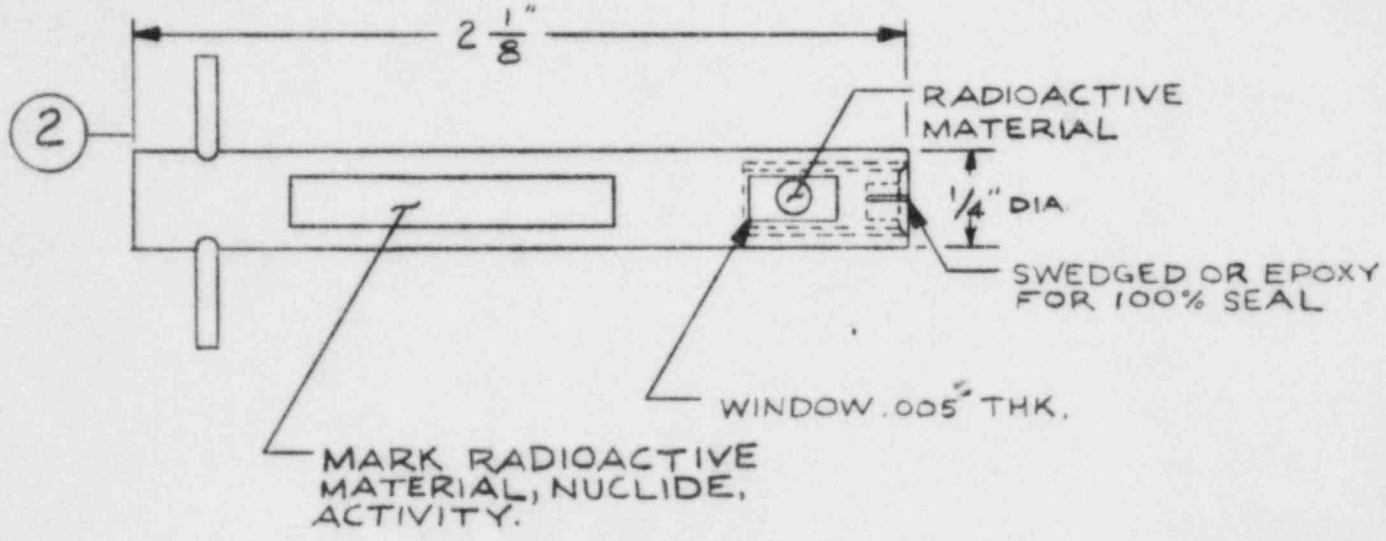
#2 Protective Lead Barrier

ATTACHMENT #1

TYPICAL CHECK SOURCES

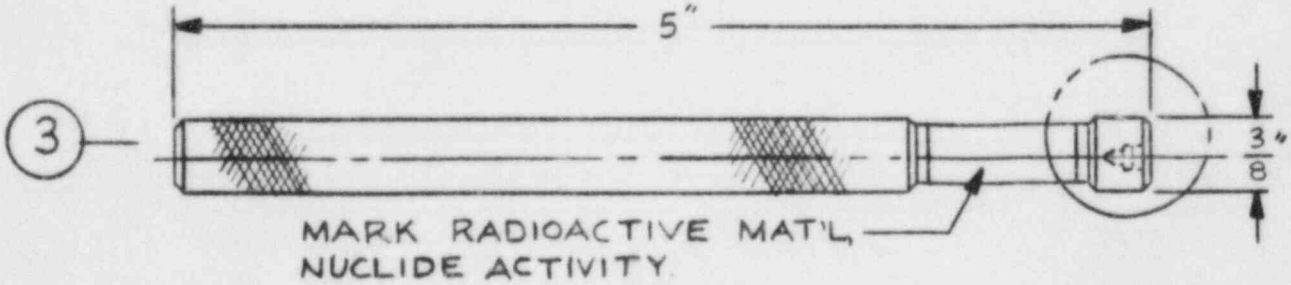


GAMMA

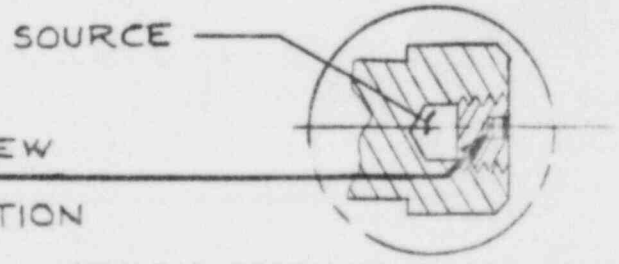


BETA

SOURCE HOLDER MAT'L:
ALUMINIUM 6061-T6 - 1/4" DIA.



SOURCE HOLDER MATERIAL ALUMINIUM



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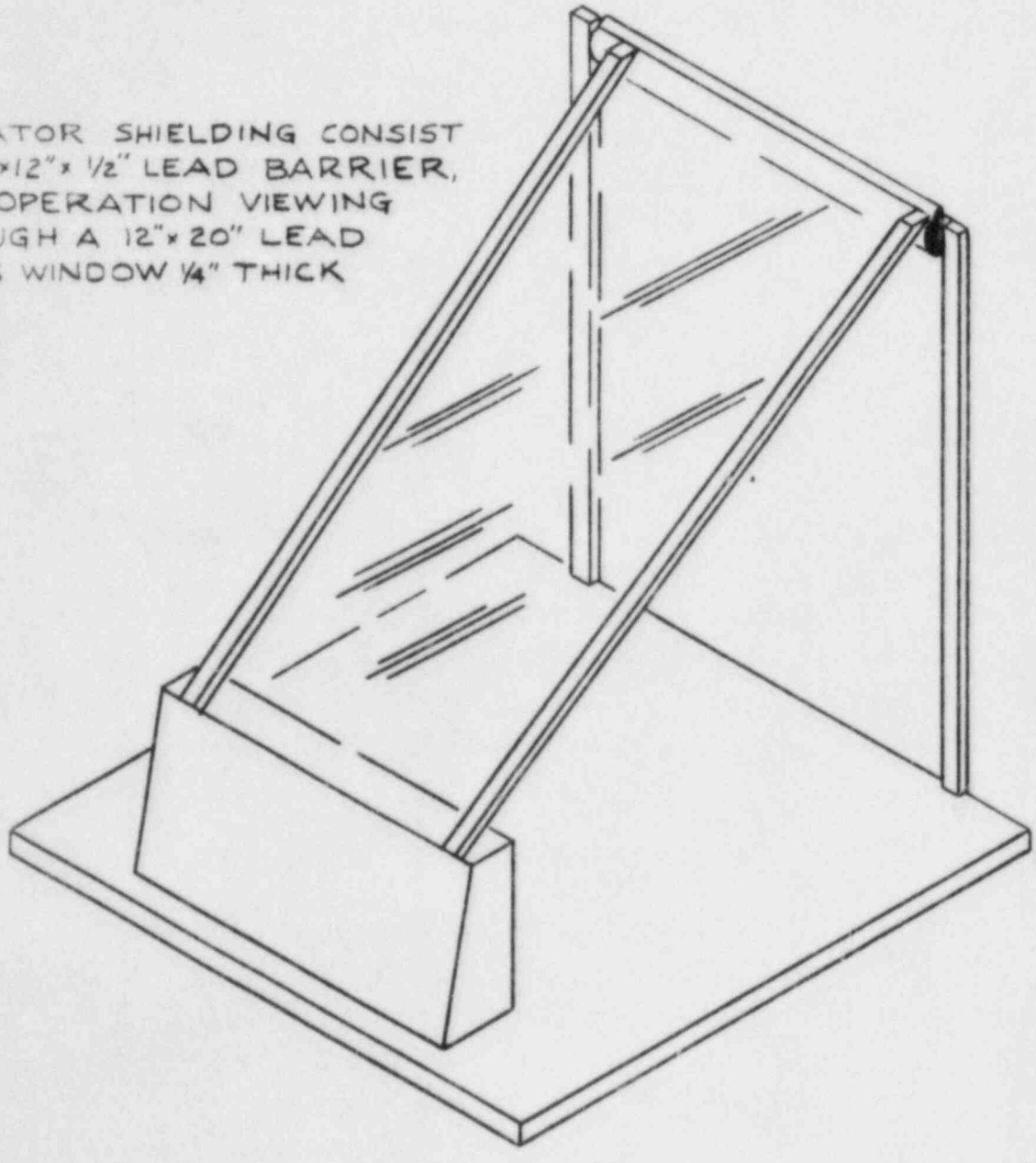
NUCLEAR RESEARCH CORPORATION
Warrington, Pa. 18976

ATTACHMENT #2

PROTECTIVE LEAD BARRIER

OPERATOR SHIELDING CONSIST OF 12" x 12" x 1/2" LEAD BARRIER, WITH OPERATION VIEWING THROUGH A 12" x 20" LEAD GLASS WINDOW 1/4" THICK



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