



UNION CARBIDE CORPORATION

P. O. BOX 324, TUXEDO, NEW YORK 10987

TELEPHONE: 914-351-2131

DOCKET NO. 70-687

STERLING FOREST
RESEARCH CENTER

Regulatory Suppl File Cy.

October 19, 1967

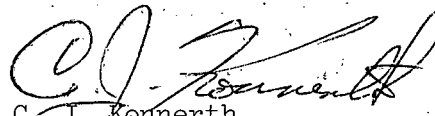
Mr. Robert L. Layfield
Source and Special Nuclear Materials Branch
Division of Materials Licensing
U.S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Layfield:

Union Carbide Corporation, Tuxedo, New York, has been asked to evaluate a new analytical instrument for another division of the corporation. The unit contains a sealed bremsstrahlung source containing 20 millicuries of plutonium-238. The source was encapsulated in The Radiochemical Centre, Amersham, England. It is contained in a Type X-71 capsule and is labeled Model PPCX71. The source has been leak tested by immersion in water at 50°C for 8 hours and measuring radioactivity in the water with a limit of 0.005 microcuries. We shall use extreme care to maintain the integrity of the source container during our evaluation.

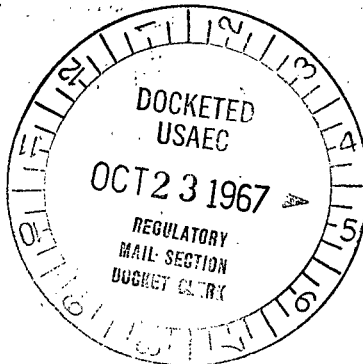
We are requesting that our license SNM 639 be amended to permit possession of up to 2 milligrams of Pu-238. Should you need additional information before granting this amendment, please call me collect at 914-351-2131.

Very truly yours,


C. J. Konnerth
Health Physics Supervisor

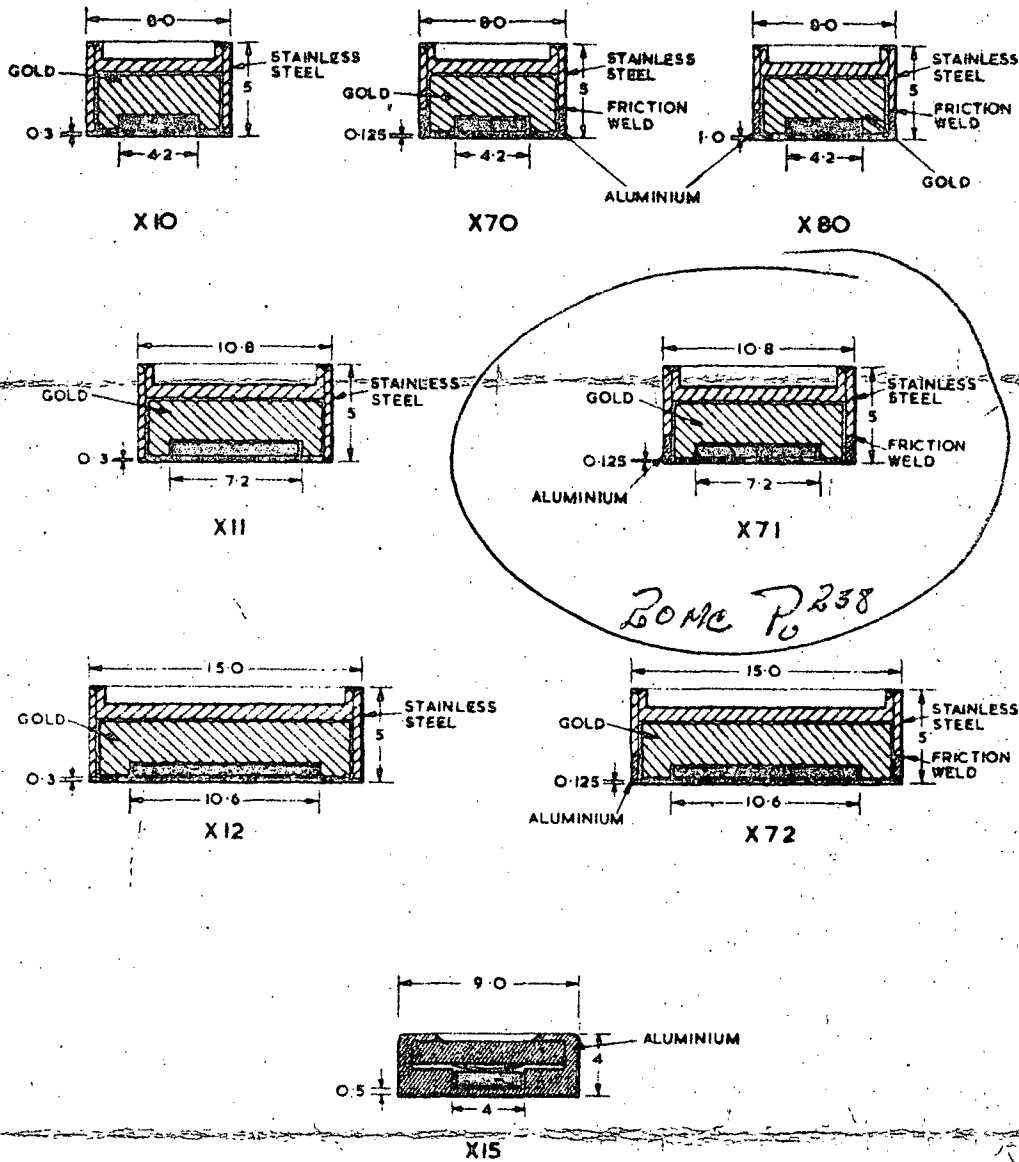
CJK:bh

COPY PROVIDED
COMPLIANCE on
11-1-67, RW



ACKNOWLEDGED

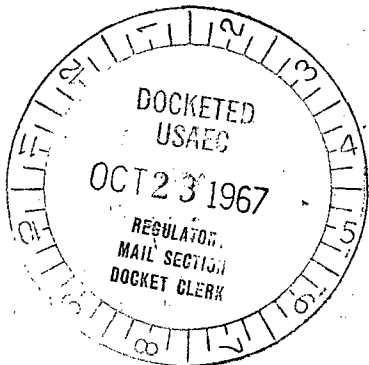
Low Energy Gamma Sources



DIMENSIONS IN mm

Figure 26

142



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Regulatory Suppl File Cy.

OCT 19 1967

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