

ORDNANCE CORPS
DIAMOND ORDNANCE FUZE LABORATORIES
WASHINGTON 25, D. C.

11 JUL 1962

IN REPLY
REFER TO:

ORDTL-032

SUBJECT: Additional information with regard to application for
Byproduct Material License (Strontium-90)

THRU: The Surgeon General
ATTN: MEDPS-PO
Department of the Army
Washington 25, D. C.

TO: Atomic Energy Commission
Washington 25, D. C.

REFERENCE: a. DOFL application for Byproduct Material License 20 May,
1962; AEC Application Control Number 44290

1. The following information is submitted in addition to that which
was given by these Laboratories in the application for Byproduct Material
License dated 20 May, 1962.

2. Item 11 - Calibrations. The instruments to be calibrated at
Diamond Ordnance Fuze Laboratories will be placed at a known distance from
a known source. The reading on the meter will be observed in the case
of a count rate meter. The time of exposure will be measured in the case
of an integral dose meter. The calculated values at various distances
from the known source will be compared with the observed meter response.

3. Item 14 - leak testing

The Strontium-90 source will be leak tested in the following
manner.

- a. The joint between the cell body and cap and the area
around the opening in the bushing which holds the
insulator in place will be smeared.
- b. The anode and its insulator will be removed and the
surfaces that were inside the cell will be smeared.
- c. The smears may be made with a filter paper, a cotton
swab, or masking tape.
- d. The smear will be counted in an internal gas flow pro-
portional counter.

CC
U.S. Army Environmental
Hygiene Agency

Robert W. McEvoy
ROBERT W. McEVOY
Lt Col, Ord Corps
Commanding

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