

MANUFACTURERS OF
LUMINOUS DIALS
NEUTRON SOURCES
RADIATION SOURCES
RADIOACTIVE SPECIALTIES
RADIOACTIVE LIGHT SOURCES
NAME PLATES
ETCHED AND LITHOGRAPHED
LUMINOUS COMPOUNDS
"CENTRON"
STATIC ELIMINATORS
"RADELIN"
X-RAY SCREENS
TELEVISION PHOSPHORS
"LACON" PANELS
"HELECON"
LUMINESCENT PIGMENTS

UNITED STATES RADIUM CORPORATION

P. O. BOX 246

MORRISTOWN, NEW JERSEY

BLOOMSBURG DIVISION

TELEPHONE BLOOMSBURG, PA. STERLING 4-3510

December 22, 1958

PLANTS AND LABORATORIES

BLOOMSBURG, PA.
BERNARDSVILLE, N. J.
WHIPPANY, N. J.
NO. HOLLYWOOD, CALIF.

EUROPEAN AFFILIATE
UNITED STATES RADIUM
CORPORATION - EUROPE
GENEVA, SWITZERLAND

CANADIAN AFFILIATE
RADELIN LTD., TORONTO

CABLE ADDRESS
RADELIN-MORRISTOWN, N. J.

ADDRESS REPLY TO
P. O. BOX 380
BLOOMSBURG, PA.

Mr. J. R. Mason, Chief
Isotopes Branch
Division of Licensing and Regulation
U. S. Atomic Energy Commission
Germantown, Maryland

Dear Mr. Mason:

I am enclosing for your review AEC form 313 covering application for general license to distribute tritium excited sealed light sources.

As you know, we have designed a sealed luminous "sandwich" for incorporation into several types of housings fabricated by the Hetherington Company, Folscroft, Pa. These units will be shipped to them under their license 37-4454-1(LCO). Each source contains 50 mc. tritium and is described under USRC encapsulation code 910A, which is as follows:

Tritium	-	as Titanium tritide or Zirconium tritide
backing	-	.002" thick stainless steel
phosphor	-	zinc cadmium sulfide
plastic overlay-	-	.005" polyvinyl sheet
seal	-	continuous heat lamination
label	-	radiation symbol decal attached to back of sealed unit.

This sandwich is then incorporated into secondary housings such as are shown on USRC DWS LMB 621. These assemblies are shipped to Hetherington for enclosure into an outer unit identified by types.

because of the size of these sources, it is impossible to comply with all phases of labeling requirements. We have therefore prepared a proposed packing ticket to accompany each shipment. Your comments on the description especially disposal of sources would be appreciated.

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PDR FOIA
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We believe these units will prove to be extremely useful in the illumination of marking, indicating and switch devices and it is our opinion that by reducing the licensing problems to a minimum these sources should find widespread acceptance in the field. The number of units involved make it highly desirable to place these sources under some type of general licensure or as an exempt material. The air frame manufacturers, such as Douglas Aircraft Company, are especially interested in the use of these sources, but procurement and distribution problems under a specific license discourage quantity purchase or general use.

Any additional information that is requested to further consideration of this application will be promptly forwarded.

Very truly yours,

UNITED STATES RADIUM CORPORATION

H. H. Dooley

H. H. Dooley
Assistant to
Vice President-Sales

HHD/jrn
Encls.

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