

U. S. ATOMIC ENERGY COMMISSION
I PRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		
<p>1. Name National Research Corporation Physics Department</p> <p>2. Address 70 Memorial Drive Cambridge, Massachusetts</p>	<p>3. License number 20-1465-3D60</p> <p>4. Expiration date April 30, 1960</p> <p>5. Reference No. 20-1465-2</p>	
<p>6. Byproduct material (element and mass number)</p> <p>A. Hydrogen 3</p> <p>(See Page 2)</p>	<p>7. Chemical and/or physical form</p> <p>A. United States Radium Corp. Sealed Sources Model LAB-508</p> <p align="center">or</p> <p>Radiation Research Corp. Sealed Sources Model TT-1</p>	<p>8. Maximum amount of radioactivity which licensee may possess at any one time</p> <p>A. 200 sources not to exceed 1 curie each - Total 200 curies (See Page 2)</p>
<p>9. Authorized use (See Page 2)</p> <p>A. and B.: To be used as ionization sources in vacuum gauges, gas analyzers and other instruments involving production of excited or ionized gas as principle of operation. Material may be distributed to AEC licensees.</p>		

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct material may also be used at NRC Equipment Corporation, 160 Charlemont Street, Newton Highlands, Massachusetts.
12. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation".
13. Byproduct material shall be used by, or under the supervision of, Dr. G. Frederick Vanderschmidt.
14. THIS LICENSE SUPERSEDES LICENSE NO. 20-1465-2 ISSUED JULY 25, 1957.
15. Byproduct material as sealed sources shall be encapsulated prior to possession by the licensee.
16. Byproduct material as sealed sources shall not be opened.
(See Page 2)

Date April 4, 1958

For the U. S. Atomic Energy Commission

Original Signed By
James R. Mason

by *JRM*

Division of Licensing and Regulation
Washington 25, D. C.

RC/wm

inval. # 3/30/60
1/21/60 WTM
WMS

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U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE
Supplementary SheetLicense Number 20-1465-3D60

CONTINUED:

6. Byproduct material (element and mass number) B. Hydrogen 3	7. Chemical and/or physical form B. United States Radium Corp. Sealed Sources Model LAB-507	8. Maximum amount of radio- activity which licensee may possess at any one time B. 200 sources not to exceed 1 curie each - Total 200 curies
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CONDITIONS

17. Total amount of Hydrogen 3 (tritium) acquired under this license shall not exceed 5,000 curies.
18. Hydrogen 3 procured under this license will be shipped direct from supplier to manufacturer of sources listed in Items 7A and/or 7B.

For the U. S. Atomic Energy Commission

Original Signed By
James R. [unclear]Date April 4, 1958

by _____

Division of Licensing and Regulation
Washington 25, D. C.