

U. S. ATOMIC ENERGY COMMISSION

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BYPRODUCT MATERIAL LICENSE No. 29-4459-1, AMENDMENT NO. 9  
(D67)

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.

<p><b>Licensee</b></p> <p>1. Name      Signalite, Incorporated</p> <p>2. Address    1933 Heck Avenue                 Neptune, New Jersey</p>		<p>In accordance with application dated March 17, 1965,</p> <p>3. License number 29-4459-1 is amended in its entirety to read as follows:</p> <p>4. Expiration date      April 30, 1967</p> <p>5. Reference No.</p>	
<p>6. Byproduct material (element and mass number)</p> <p>A. Krypton 85 B. Nickel 63 C. Americium 241</p>		<p>7. Chemical and/or physical form</p> <p>A. Gas B. Electroplated electrodes C. Foil (U.S. Radium Type LAB 204-1A)</p>	
<p>8. Maximum amount of radioactivity which licensee may possess at any one time</p> <p>A. 2 curies B. 250 millicuries C. 250 microcuries</p>			
<p>9. Authorized use</p> <p>A. To be used as a fill gas in a neon glow-lamp tube (not to exceed 0.001 microcurie Krypton 85 per tube) and distribution to general licensees pursuant to Sections 30.71 and 30.21 of Title 10, Code of Federal Regulations, Part 30, "Licensing of Byproduct Material" (see page two)</p>			

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation".
12. Byproduct material shall be used by, or under the supervision of, John Cawley, Michael Behary, Nelson Palmer, Edward Bauman, or John Johnstone.
13. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7 and 8 of this license in accordance with statements, representations, and procedures contained in his applications dated November 12, 1958, October 26, 1960, October 10, 1962, and March 17, 1965, and in his letters dated August 28, 1960 and March 31, 1959, from Herman Altschule.

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Supplementary Sheet

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9. Authorized Use continued:

- B. Manufacture of glow-lamp tubes (each tube not to contain more than 0.5 microcurie Nickel 63) and distribution to general licensees pursuant to Sections 30.71 and 30.21 of Title 10, Code of Federal Regulations, Part 30, "Licensing of Byproduct Material".
- C. Laboratory tests and evaluations as ionization sources in neon glow lamps.

For the U. S. Atomic Energy Commission

Original Signed by  
Robert E. Brinkman

by Isotopes Branch

Division of Materials Licensing  
Washington, D. C. 20545

Date APR 4 1965  
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REB 4/14/65