

CAL:JCD

MAY 22 1957

Sylvania Electric Products Inc.
35-22 Linden Place
Flushing 54, New York

Attention: Mr. George H. Morrison, Head
Radiochemistry Section

Gentlemen:

Reference is made to your letter of May 9, 1957, which requests information regarding the procedures for you to follow in obtaining special nuclear material in the form of a plutonium-beryllium neutron source.

Enclosed is a copy each of Part 20 and Part 70, Title 10, Code of Federal Regulations, entitled "Standards For Protection Against Radiation" and "Special Nuclear Material", respectively. Compliance with the provisions of Part 20 is made a condition of all special nuclear material licenses. Section 70.22 of Part 70 pertains to the contents of applications for special nuclear material licenses. An application should be submitted in letter form, in quadruplicate, and signed under oath or affirmation by an officer of the Corporation.

Since Sylvania is not an academic institution, a Pu-Be source could not be loaned to you under our program of providing assistance to such institutions. The charges involved in your obtaining a source for research purposes would include a fabrication charge of slightly less than \$1,000 and a nominal annual use charge based on the value of the plutonium content of the source.

If you have any questions regarding the above, please feel free to call upon us.

Very truly yours,

Lyall Johnson
Chief, Licensing Branch
Division of Civilian Application

BCC: V.C. Vespe, RD

OFFICE	Enclosures:	CAL	CAL	R D
SURNAME	10 CFR, Parts 20 & 70	<i>[Signature]</i>	L. JOHNSON	<i>[Signature]</i>
DATE		5-22-57	<i>[Signature]</i>	5-22-57

SYLVANIA

ELECTRIC PRODUCTS INC.



35-22 LINDEN PLACE, FLUSHING 54, NEW YORK

May 9, 1957

Mr. Lyle Johnson, Chief
Division of Licensing
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Johnson:

Our laboratory has been concerned with the development of neutron activation methods for analysis purposes for the past five years. During this time we have employed the reactor facilities at the Brookhaven Laboratories near our laboratory; however, we have now decided that we would like to acquire a laboratory neutron source for use in further research.

It has come to our attention that the Atomic Energy Commission has a program for loaning plutonium-beryllium neutron sources to academic institutions. Since we are the research laboratories of an industrial organization, we would like to know what arrangements could be made to obtain such a source on a loan basis.

It should be pointed out that we have pioneered in the development of the activation analysis technique for the determination of trace elements in industrial materials, and I am taking the liberty of enclosing several reprints of studies which we have performed. We would like to extend the application of the technique to the development of analytical methods (not necessarily trace methods) for use in industrial analytical laboratories, where pile facilities may not be readily available.

We have had some conversations with Mr. McAlpin of the New York Operations Office of the A.E.C. and he suggested that we contact you regarding the possibility of our receiving a Pu-Be source on loan.

Very truly yours,

George H. Morrison, Head
Radiochemistry Section

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