

CURTISS-WRIGHT CORPORATION
RESEARCH DIVISION

QUEHANNA, PENNSYLVANIA

AMHERST 3-4711

5218

June 4, 1959

U. S. Atomic Energy Commission
Isotopes Branch
Division of Licensing and Regulation
Washington 25, D. C.

Attention: Mr. R. E. Brinkerman
Senior Licensing Reviewer

Gentlemen:

Enclosed please find application for renewal of Byproduct Material License No. 37-2416-2 which expires July 31, 1959.

You will note that item 4 has been changed to read "Persons designated by the Nuclear Hazards Committee, N. R. Wheelock, Chairman." I am enclosing a copy of the rules of committee procedure and procedure No. 1 which will give you an idea of the composition of the committee and its scope. Members are chosen to be representative of each division within the Nuclear Sciences and Engineering Department and for long-time experience in their relative fields. The health physicist is a permanent member.

Leak testing of encapsulated sources is done in the following manner:

1. Sources are encapsulated in inner sealed containers which are then tumbled in a bottle held in a lathe chuck together with a damp filter paper. The filter paper is then removed and counted on an end window geiger counting assembly. The count must be below 200 counts/minute.
2. The primary container is then placed in a stainless steel outer container, a spacer placed on top and the open lip of the container crimped down on the spacer.
3. The encapsulated source is then placed in a metal pipe approximately four feet long where, by means of compressed air, it is blown against the end of the pipe, with force, approximately 75 times. The source is then leak tested again by means of a damp smear. The count on the smear must be below 200 counts/minute.

DUPLICATED
FOR DIV. OF RESEARCH

19362

6-55

Mr. R. E. Brinkerman

- 2 -

June 4, 1959

4. Following the above procedure, the source is stored for at least seven days when the source is leak tested again by smear.

Our radiation protection program is contained in our Health Physics Manual which you already hold. A more complete description of our procedures is contained in a rewritten version which has been submitted for approval. Directly this has been received and printed we will forward two copies to the Division of Licensing.

If you have any questions regarding this renewal application, I shall be glad to assist you in any way.

Yours very truly,

CURTISS-WRIGHT CORPORATION
RESEARCH DIVISION

M. T. Beam

M. T. Beam

MTB/cr

Enclosure



DUPLICATED
FOR DIV. OF INSP.

19362