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To: John Manley
From: Alvin G. Graves
Subject: Sources at site Y

CLASSIFICATION CANCELLED
August 28, 1943
DATE 2-9-73
For The U. S. Atomic Energy Commission
H. P. Wansom
Division of Classification

PUBLICLY RELEASABLE
LANL Classification Group
P. Lang 8-6-98

The sources at site Y are as follows:

1 - 1 mg RA-BE source, containing 1 mg of radium as radium bromide and 10 mg of 325 mesh powdered beryllium. Source is etched #51.

2 - 10 mg RA-BE sources, each containing 10 mg of radium as radium bromide and 30 mg of 325 mesh powdered beryllium. One has one longitudinal groove and is etched #41; the second has three longitudinal groves and is etched #42;

2 - 200 mg RA-BE sources each containing 200 mg of radium and 600 mg powdered beryllium. One of these sources is unmarked. The second one is #34. It was leaking when supplied and is now covered with solder.

2 - 500 mg RA-BE sources, each containing 500 mg of radium as radium bromide and 3000 mg of 325 mesh powdered beryllium. Each source has a circular groove around it. One etched #44 has one longitudinal groove. The other etched #40 has two longitudinal grooves. This source was leaking when supplied but has since been resoldered. Its dimensions were changed very little in this process.

1 - 1000 mg RA-BE source containing 1000 mg of radium as radium bromide and 3000 mg of 325 mesh powdered beryllium. This source has two circular grooves around it and one longitudinal groove. It is etched #43.

1 - 1000 mg RA-BE source borrowed from the University of Chicago has been returned.

1 - 500 mg mesothorium source #35. This source is in the same size holder as the 200 mg sources. A request has been made to Dr. Skillard at the University of Chicago for information on the properties of this source.

The beryllium used for these sources was tested spectroscopically and found to be unusually pure. It was supplied by Coolidge of the General Electric Company.

Copies to: John Manley
Joseph Kennedy
R. F. Bacher
E. Segre
A. G. Graves
Library File.

VERIFIED UNCLASSIFIED

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