



VETERANS ADMINISTRATION
HOSPITAL
1310 TWENTY-FOURTH AVENUE, SOUTH
NASHVILLE, TENNESSEE 37203
October 29, 1964

File in

License No.

41-104-5

3708

YOUR FILE REFERENCE NO.: IB: RJD(62836)

IN REPLY REFER TO: 5156/11

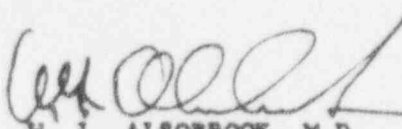
Mr. John E. Bowyer
Isotopes Branch
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington 25, D. C.

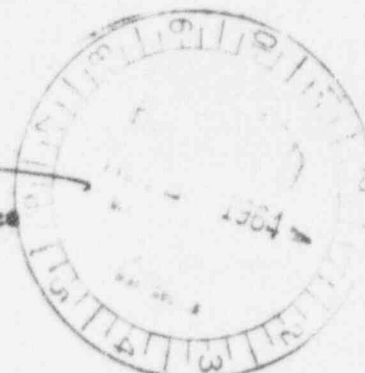
Dear Mr. Bowyer:

The following information is furnished in response to your request of October 20, 1964:

- 1) The model number of the sealed source furnished by the Minnesota Mining and Manufacturing Company is Model 6D1B.
- 2) The surface dose rate will be approximately 600 rads per minute, the one meter dose rate about 5 r/hr. Both of these are primarily beta emission. The half-value layer of aqueous solutions to this is approximately 1 mm. The stainless steel casing, 0.025 mm in thickness, results in approximately one percent conversion of the radiant energy to bremsstrahlung in the steel.
- 3) When not in use the sources will be kept in their protective containers. At surgery it will be handled by tongs not less than 6 inches in length. Fortunately the surgical procedure requires the use of instruments entirely. After positioning in the animal's bloodstream the operative area will be covered with from 4-6 cm of saline while the remainder of the surgery is taking place. Film badge service will be provided personnel who handle these sources.

Sincerely,


W. L. ALSOBROOK, M.D.
Chief, Radioisotope Service



Show veteran's full name and VA file number on all correspondence. If VA number is unknown, show service number.

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PDR RC *
SSD PDR