

DOCKET NO. 70-121

IN REPLY REFER TO
Geologic Division



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER 2, COLORADO

Geophysics Branch, Bldg. 25

July 22, 1957

Mr. J. C. Delaney
Chief, Materials Section
Licensing Branch
Division of Civilian Application
U. S. Atomic Energy Commission
Washington 25, D. C.

Re: CAL:JCD
Docket No. 70-121

Dear Mr. Delaney:

In reply to your letter of July 9, 1957 requesting additional information to that stated in my letter of July 2, 1957 I submit the following addendum.

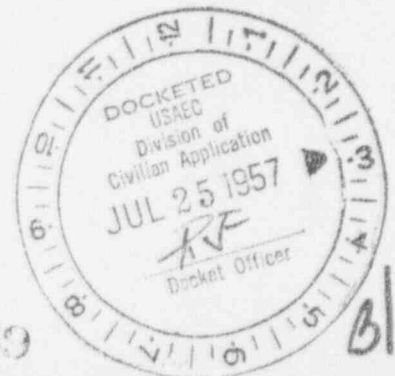
Section 70.22(1) Carl Maurice Bunker, Geophysics Branch, Geological Survey, Federal Center, Denver, Colorado, Age: 32
References: J. R. Balsley, Branch Chief, Geophysics Branch, U. S. Geological Survey, Washington 25, D. C.; R. M. Moxham, Geophysics Branch, U. S. Geological Survey, Washington 25, D. C.; W. W. Vaughn, Chief, Radiation Laboratory, Federal Center, Denver, Colorado. I am applying for the U. S. Geological Survey, Dept. of the Interior.

Section 70.22(7) When the source is not in use it will be stored in container of not less than 16 inches in diameter which is filled with paraffine and boron (borax). This should reduce the neutron activity to 30 neutrons per second per square centimeter with little gamma activity. Although alpha particles will be created by the n,a reaction in the boron these will be shielded from personnel by the metal wall of the container. As working conditions will not require personnel to remain adjacent to the container for more than a few minutes at a time there should be no problem in regard to exposure of more than the maximum permissible 30 n/sec/cm². The source container(s) will be clearly marked with radiation hazard signs.

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PDR FOIA
CARROLL 93-321 PDR

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I hope this information plus that stated in my letter of July 2 will be sufficient to grant the requested license.

Sincerely,

Carl M. Bunker
Carl M. Bunker

County of Jefferson
State of Colorado

Subscribed and sworn to before me
this 23rd day of July, 1957,

Rosemary R. Wilson

Notary Public

My Commission expires February 7, 1961