



030-14999

GENERAL OFFICES • 3M CENTER • SAINT PAUL, MINNESOTA 55101 • TEL. (612) 733-1110

Medical Department

MEDICINE • HEALTH PHYSICS • INDUSTRIAL HYGIENE • TOXICOLOGY

January 5, 1979

L 00057

U.S. Nuclear Regulatory Commission
Materials Branch
Division of Materials and Fuel Cycle
Facility Licensing
Washington, D.C. 20555

RECEIVED BY LFMB	
Date	JAN 10 1979
Log	San P 3 New License
By	B. Brown
Orig. To	
Action Compl.	1/10/79

Attention: Mr Nathan Bassin

Subject: Application for Byproduct Material
License

Gentlemen:

This letter, completed form NRC-313, and accompanying attachments constitute a request by 3M Company to obtain a Specific Byproduct Material License to receive, acquire, own, possess, transfer and import byproduct material to be used in a gamma irradiator facility being constructed at 3M Company's Brookings, South Dakota, Medical Products Division Plant.

The facility is a standard Atomic Energy of Canada Limited, Commercial Products Division (AECL-CP) Model JS-7500 Cobalt-60 Irradiator. It is being added to an existing 3M production facility to sterilize medical products prior to their distribution to health care facilities.

The irradiator facility is presently under construction. Commissioning with approximately 200 kilocuries of Cobalt-60 is scheduled for June 30, 1979. Since the facility is designed to use up to three megacuries of Cobalt-60, a license possession limit for three megacuries is being requested.

AECL-CP will receive and load the initial Cobalt-60 source elements at Brookings and perform all subsequent source element addition, interchange and removal operations in accordance with the provisions of a Specific USNRC Byproduct Material License issued to and authorizing AECL-CP to perform these activities. Subsequent to each source loading operation, AECL will test the source elements for leakage and will perform an external radiation survey around the facility to ensure that the permissible levels of external radiation exposure in unrestricted areas comply with the provisions of 10 CFR 20.103.

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INSPECTION AND ENFORCEMENT

attach
separate

Applicant	
Check No.	653209
Amount, Fee Category	\$460 (3F)
Type of Fee	Application
Date Check Rec'd	JAN 10 1979
Received By	B. Brown

98196

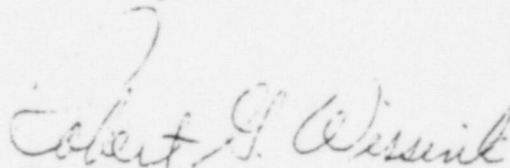
All pertinent 3M Company construction drawings are included with this application (see Attachment IX). The copyright notation may be disregarded and the drawings may be placed in the public document room. Drawings of AECL-CP provided equipment are included as Attachment X. They may also be placed in the public document room. AECL-CP forwarded the one original set of prints to 3M Company to include with this license application. It is our understanding that these drawings, many of them generic, are the drawings that AECL-CP has provided to the USNRC and USNRC Agreement States for licensing of other AECL-CP facilities constructed in the United States. Since 3M Company was provided only one set of original prints, you will note that the second set of AECL-CP drawings consist of microfilm copies of the original set made by 3M Company. To prevent any unnecessary delay in your review of this license application, it would be appreciated if you would review the drawings at your earliest convenience and advise us if the drawings provided are not sufficient.

Facility design loading due to earthquake motion is covered in Attachment XI, a letter from AECL-CP's consulting engineer, Mr. T. A. Varaklis to Mr. R. K. Petersen, 3M Company's project engineer responsible for construction of the Brookings, S.D. facility.

In accordance with the provisions of 10 CFR 170, a check in the amount of \$460.00 is enclosed for payment of the new license application fee.

Any questions regarding this application should be directed to Duane C. Hall of this office at 612/733-7316.

Sincerely,



Robert C. Wissink
Licensing Administrator
Radioactive Materials

RGW:DCH/pm
Attachments

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