



THE DOW CHEMICAL COMPANY

MIDLAND, MICHIGAN 48640

3142

November 3, 1971

Mr. Nathan Bassin  
Materials Branch  
Division of Materials Licensing  
United States Atomic Energy Commission  
Washington, D.C. 20545

Dear Mr. Bassin:

This refers to your letter of October 5, 1971, concerning our request for amendment to License No. 21-00265-04, for a new radiographic source.

On 10/5/71, a correction on the model number was mailed to Mr. Lyle Johnson. The model number was incorrectly given as A-429-8. We received and installed model number A-424-5. The source was ordered through our regular purchasing channels, citing our present license which permits us to possess up to 5 curies of cobalt 60 for radiographic purposes. The request for amendment was made because of our understanding that the model number and serial number of the new source must be communicated to the AEC.

The source was installed by Harry Field, radiographer, and Lawrence G. Silverstein, certified health physicist, on 9/15/71.

The enclosed writeup on emergency procedures should answer your question on action to be taken in the event of malfunction.

In answer to your question on a record of inspections, the inspection check list will be retained in the files. The check list is referred to in Part A of the enclosed writeup on inspection and maintenance program.

The source usage log book referred to in Parts B and C is the permanent record of all usage, inspections, surveys,

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Mr. Bassin

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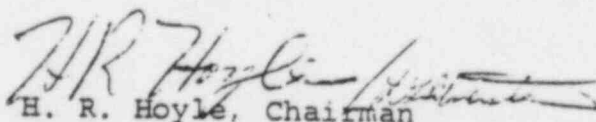
survey meter calibrations and other actions relating to the source. This log is kept in the radiographers' files with the survey meter and keys to the source and its storage cabinet. The log book is audited by a health physicist at least quarterly.

The quarterly inspection described in Part B will be conducted by Harry Field, Welding Engineering Supervisor. Mr. Field has 16 years experience in radiographic work using X-ray and isotope sources. He currently supervises an 8 man group of welding engineers and manages Dow's welding school which qualifies Dow people as welders in accordance with ASME recommendations. The school is offered to the public and industry and its capacity enrollment indicates its acceptance.

Wipe tests and other required safety inspections are conducted by a qualified health physicist, either Lawrence G. Silverstein or Joel B. Charm. Qualifications of both are on file as part of Dow's application for AEC licenses.

If there are other questions on this request, please write me again.

Very truly yours,



H. R. Hoyle, Chairman  
Radiation Safety Committee  
Chemical Biology Research  
1701 Building  
636 2377 (Area Code 517)

HRH:sjl/enclosures