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THE HARSHAW CHEMICAL COMPANY

1945 EAST 87TH STREET
CLEVELAND 6, OHIO
RANDOLPH 1-8300

September 18, 1961

Mr. Joseph Delaney
Branch Chief of Special Materials
Licensing Branch
Division of Licensing and Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Delaney:

This letter is a request for amendment of our license No. SNM-427 as amended, to possess special nuclear materials. The amendment requested is the addition of permission to possess several (approximately five) sources of polonium-210, the total activity for these sources not to exceed an amount of 1 millicurie.

It is our intent that these sources will be used for purposes of calibration as outlined in our letter of July 12, 1961, regarding alpha sources for purposes of calibration.

These calibration sources having thicknesses less than 10 micrograms per square centimeter would be prepared for us by Mr. Richman's group at the Mound Laboratory in keeping with their customer practices. They have recommended and we will follow the practice of having a recesses mount to prevent direct abrasion of the polonium from the plate on which it is deposited. When not in use, the source will be further protected by a screw-on cap.

Precautions and procedures outlined in the previous application for our license No. SNM-427, will apply in this case also.

We will appreciate your attention to this request. Thank you.

Very truly yours,

William W. Managan
W. W. Managan, Manager
Commercial Development

WWM:lks

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