

April 22, 1980

Radioisotopes Licensing Branch
Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Re: NRC License No. SNM-107
NRC License No. 29-00055-15

Gentlemen:

Teledyne Isotopes is currently authorized to possess 440 grams of U-235 under our NRC License No. SNM-107 and an additional 52 grams under our NRC License 29-00055-15. This authorizes Teledyne Isotopes to possess a total of 492 grams of SNM. Pursuant to 10CFR70.24 (a) we are required to install a criticality alarm. We respectfully apply for an exemption to this requirement pursuant to 10CFR70.24 (b).

The material authorized under NRC License No. 29-00055-15 is in the form of a dispersed contaminant of precious metals, principally platinum. During processing, this material is further dispersed into a boro-silicate glass matrix.

The material authorized under NRC License No. SNM-107 is in the form of discreet samples of low enriched nature. The samples are kept in two separate laboratories, each of which never has excess of 200 grams of SNM.

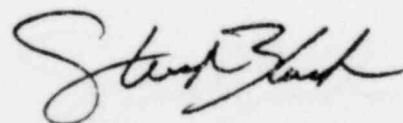
Therefore, due to the nature and location of the SNM we possess, we formally request an exemption to the criticality alarm requirement.

In addition, please note that we have a renewal application for NRC License SNM-107 dated November 27, 1978, which has not yet been acted on. This application would lower the license limit to 348.004 grams of SNM. When this license renewal application is acted on, it will bring Teledyne Isotopes possession limit to approximately 400 grams of SNM. This is below the level requiring a criticality alarm.

As we are currently in non-compliance with this item, we hope prompt action is forthcoming on your part.

Should you require any further information or assistance in processing this application, please do not hesitate to contact us.

Sincerely,



Steven A. Black, RSO
Radiological Services Department

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