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54-123 license
JL*

October 17, 1969

U. S. Atomic Energy Commission
Division of Materials Licensing
Washington, D. C. 20545

Attn: Mr. James Malare

Gentlemen:

We hereby request an amendment to license GL-122 to permit the use of 3.1 curie 1/4" dia. x 4-1/4" long self-luminous light sources in place of the 1.55 Ci 1/4" dia. x 2-1/8" long tubes currently used. We wish to make this change for LAB 602-6 and LAB 600-1B-1(S)-1 aircraft marker series. The proposed tube will be only 3/4" longer than the 2.0 Ci 1/4" dia. x 3.5" long tube which has been very satisfactory in service for several years.

The change is requested because new production equipment for making these light sources does not provide a satisfactory seal at the end of the tubes. Advantages of the longer tubes are: 1) The tritium will be at a slightly lower pressure to achieve the same amount of light. 2) Improved end seal on tubes which increases the safety of the markers during production and in service.

Please call me for any further information you may desire. My phone is 717-784-3510, extension 204.

Sincerely yours,

UNITED STATES RADIUM CORPORATION

O. L. Olson

O. L. Olson
Director
Nuclear Division

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