4-4292-1

ROCKETDYNE
A DIVISION OF NORTH AMERICAN AVIATION, INC.
6633 CANOGA AVENUE, CANOGA PARK, CALIFORNIA

29 October 1958

IN REPLY REFER TO:
58RD11247

U. S. Atomic Energy Commission
1717 "H" Street, N. W.
Washington 25, D.C.

4964

Attention: L&R:IB:NB (13075)
Mr. Robert E. Brinkman

Subject: Strontium 90 Sealed Source
Application for

Reference: (a) USAEC Letter, dated 10-9-58

Gentlemen:

In reply to your Reference (a) request, the following information is submitted relative to the North American Aviation, Inc., Rocketdyne Division application, dated 10 September 1958:

(a) Leak tests on the sealed source will be conducted by Health Physics Group of the North American Aviation, Inc. Atomics International Division. Standard smear technique will be used. The smear will be counted by a standard end window GM tube and scaler, which has been pre-calibrated for $SR^{90} - Y^{90}$ Beta particle energy ranges. The first smear taken will constitute a preference smear for subsequent leak tests. Smears will be taken at monthly intervals at first, and if found normal, will be extended to 3-month intervals. If leakage is observed, the use of the instrument will be immediately discontinued and the Cenco representative notified for necessary corrective action on the capsule. The instrument and area will be monitored and decontaminated as necessary by the Atomics International Division Health Physics personnel.

(b) In the event that it is necessary to dispose of the source, it will be accomplished through the Isotopes Specialties Company, Inc., 170 W. Providencia, Burbank, California, an AEC Licensed Company.

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As further information relevant to the subject, we wish to advise that subsequent to submitting the aforementioned application, Mr. Rex B. Gordon has been added to the Safety Section of the North American Aviation, Inc., Rocketdyne Division. He will be directly concerned with the radiological safety program. His qualifications for this position include a Bachelor's Degree in Sanitary Science and Public Health, a Masters Degree in Public Health, and two years experience, particularly in the field of radiological safety while Sanitary and Industrial Hygiene Engineer as an Officer in the U. S. Air Force.

It is hoped that the foregoing information will permit your completing the processing of the application. Please advise us if any additional information is needed.

Very truly yours

NORTH AMERICAN AVIATION, INC.
Rocketdyne Division

J. N. Shropshire
Contract Administrator

WSM:rca