ATOMICS INTERNATIONAL

A Division of North American Aviation, Inc.

February 7, 1964

In reply refer—
64AT-636

Division of Licensing and Regulation
United States Atomic Energy Commission
1717 H Street N. W.
Washington 25, D. C.

Attention: R. Cunningham, Chief
Isotopes Branch

Subject: Application for Renewal of Byproduct Material License

Reference: Byproduct Material License No. 4-698-1 (Expired)

Gentlemen:

In accordance with 10 CFR 30 we hereby submit our application for renewal of Byproduct Material License No. 4-698-1. By this application we request specific license authorization to demonstrate a prototype Radiation Oil Gage (ROG) by flight test at Edwards Air Force Base. This gage utilizes approximately thirty (30) Co-60 sources of 38 microcuries strength each. Each source is hermetically sealed in a stainless steel tube (type 3140), manufactured by U. S. Nuclear, Inc., Burbank, California. These sources will be mounted on an oil tank provided by the General Electric Company for use on its J-79 jet engine.

It is our intention to perform the instrumentation of the gage at Atomics International, Canoga Park, California, including the mounting of the sources on the tank. The tank will then be delivered to Edwards Air Force Base by Atomics International and installed on an aircraft which has been designated for the flight test. It has been established through discussions with Edwards Air Force Base personnel that the aircraft will be maintained in a hanger which is located in Township 10 N, Range 10 W, Section 36 of the Base. The installation of the tank and gage and removal after the flight test will be performed by qualified Atomics International personnel.

P.O. Box 309, Canoga Park, California
Cable Address: ATOMICS

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We would appreciate your early review of this application. Should you require any further information to assist you in this review, please contact Mr. A. S. Melgun, Contracts and Proposals. His telephone number is 341-1000, extension 2501.

Very truly yours,

L. W. Wheeler, Director
Contract Administration
Atomics International Division

Enclosure, as noted (2 copies)

cc: Department of the Air Force (w/enc.)
Headquarters, Air Force Logistics
Wright-Patterson AFB, Ohio

Attn: Lt. Col. Robert L. Peterson, MSC
Chairman, USAF Radioisotopes Committee
Code: MCD