FORM AEC-374
(12-57)

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below, and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

DUPLICATED
OR DIV. OF INSP.

Licensee	
1. Name: Rocketdyne Division of North American Aviation, Inc.	3. License number: 4-4292-1 (K60)
2. Address: Department 596-92 6633 Canoga Avenue Canoga Park, California	4. Expiration date: November 30, 1960
	5. Reference No.

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may posses at any one time
A. Strontium 90	A. Nuclear-Chicago Sealed Source Model RG-33	A. 10 millicuries

9. Authorized use

A. For use in Cenco Beta-Ray H/C meter (No. 27625) to determine hydrogen-carbon ratio in hydrocarbons.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

11. Byproduct material may only be used at Santa Susana Facility, Area I, Research Center Building, Chemistry Laboratory.

12. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation".

13. Byproduct material shall be used by, or under the direct supervision of, E. G. Jackson or J. H. Johnson.

14. Byproduct material as sealed source shall not be opened or removed from the Cenco Beta-Ray H/C meter.

15. The sealed source containing Strontium 90 shall be tested for leakage and contamination at intervals of not more than six (6) months and records of test results shall be maintained by the licensee. The leak testing shall be performed by the Health Physics Group, Atomics International by the procedure described in letter dated October 29, 1958 from J. N. Shropshire.

For the U. S. Atomic Energy Commission
Original Signed By
James R. Mason
A/4

Date November 10, 1958 by Chief, Isotopes Bra[illegible]
Division of Licensing and Regula[illegible]
Washington 25, D. C.

BC MB

JRM/REB 11/10/58

FORM AEC-374A
(12-57)

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE
Supplementary Sheet

License Number 4-4292-1 (K60)

AMENDMENT NO. 1

CONTINUED:

CONDITIONS

16. Sealed sources containing Strontium 90 shall be tested for leakage and contamination at intervals of not more than six (6) months and records of test results shall be maintained by the licensee. The leak testing shall be performed by the Health Physics Group, Atomics International, by the procedure described in letter dated October 29, 1958, from J. N. Shropshire.

For the U. S. Atomic Energy Commission
Original Signed By
James R. Mason

DUPLICATE
FOR DIV OF ...

Date August 31, 1959 by Chief, Isotopes Branch
Division of Licensing and Regulation
Washington 25, D. C.

REB 8/31/59