

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.

1. Name ^{Licensee} United Aircraft Corporation Pratt & Whitney Aircraft Instrumentation Section		3. License number 6-550-2
2. Address Fox Project East Hartford, Connecticut		4. Expiration date July 31, 1958
Attn: Philip Eliss, Manley Wu, and John Stewart		5. Reference No.
6. Byproduct material (element and mass number) Antimony 124 Cesium 137 Cobalt 60 (See Page 2)	7. Chemical and/or physical form Sb Be Sealed Source Sealed Source Sealed Source (See Page 2)	8. Maximum amount of radioactivity which licensee may possess at any one time 1 curie 1 curie 5 curies (See Page 2)

9. Authorized use

For work under AEC contract AT(11-1)-229 and AF contract 33(038)-27341.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above. **Byproduct materials may also be used at (1) University of California Radiation Laboratory, Livermore, California, and (2) National Reactor Testing Station, Idaho Falls, Idaho.**
11. **Byproduct materials are to be used by, or under the supervision of, the individuals named above.**
12. **Except as hereinafter provided the licensee shall comply with provisions of the Atomic Energy Commission's proposed standards for protection against radiation as published in the Federal Register, July 16, 1955 (10-CFR-20), until such time as said proposed regulations or revisions thereof become effective regulations of the Commission. Notwithstanding, Section 20.24(f) of said standards, labeling shall not be required for laboratory containers such as beakers, flasks and test tubes, used transiently in laboratory procedures during presence of the user.**
13. **Byproduct material must be encapsulated prior to possession by licensee.**
14. **Licensed material shall be used as sealed sources for purpose stated and sources shall not be altered or opened.**

For the U. S. Atomic Energy Commission

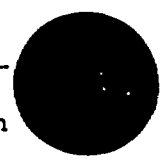
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ORIGINAL SIGNED BY
LESTER E. ROGERS

Date July 10, 1956

by _____
for: Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

by REC CRG



BYPRODUCT-MATERIAL LICENSE

Supplementary Sheet

License Number 6-550-2

CONTINUED:

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radio- activity which licensee may possess at any one time
Iridium 192 Polonium 210 Strontium 90	Sealed Source Po Be Sealed Source Sealed Source	1 curie 15 curies 500 millicuries

CONDITIONS

- 15. Leak testing of the Antimony 124, Cesium 137, and Strontium 90 sources shall be carried out at intervals of six months. Leak testing of the Polonium 210 source shall be carried out every 90 days. Records of the leak test results shall be furnished to the Atomic Energy Commission upon request.
- 16. A curie of Iridium 192 is defined as that quantity of activity which presents a radiation intensity of 0.55 roentgens per hour at a meter.

For the U. S. Atomic Energy Commission

Date July 10, 1956

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