

Site used: HUNTERS POINT DIV, SAN FRAN, CA

Disposition information present: NO DISPOSITION INFORMATION GIVEN

This license was listed as expired on / /

Remarks:

JOB NUMBER: 1082

BOX NUMBER: 01

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

License Number ~~04-00364-09~~

Amendment No. 01

Department of the Navy
San Francisco Bay Naval Shipyard
Vallejo, California 94592

In accordance with application dated June 9, 1966, License Number
04-00364-09 is amended as follows:

Item 9.A. is amended to read:

9.A. For use in Technical Operations Model 524 and/or Model 533
projectors for industrial radiography and in Technical
Operations Model 414 source changer for source replacement
and storage.

Date _____

JUL 15 1966

nb/cc

CRB

For the U. S. Atomic Energy Commission

Original Signed By
Nathan Bassin
by Isotopes Branch
Division of Materials Licensing
Washington, D. C. 20545

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, Parts 30, 32, 33, 34, and 35, 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.

Licensee		
1. Name	Department of the Navy San Francisco Bay Naval Shipyard	3. License number 04-00364-09
2. Address	Vallejo, California 94592	4. Expiration date March 31, 1967
		5. Reference No. 4-1039-2

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioac- tivity which licensee may pos- sess at any one time
A. Iridium 192	A. Technical Operations Model A-424-1 Sealed Sources	A. No single source to exceed 100 curies
B. Iridium 192	B. Budd Company Model 41701 Sealed Sources	B. No single source to exceed 60 curies
C. Iridium 192	C. Technical Operations Model 531B Sealed Source Cable Assemblies	C. No single source to exceed 60 curies
D. Iridium 192	D. Budd Company Model 41701 Sealed Sources	D. No single source to exceed 30 curies
E. Cobalt 60	E. Budd company Model 41036 Sealed Sources	E. No single source to exceed 20 curies
F. Cobalt 60	F. Budd Company Model 41035 Sealed Sources	F. No single source to exceed 10 curies

9. Authorized use

- A. For use in Technical Operations Model 533 projectors for industrial radiography and in Technical Operations Model 414 source changer for source replacement and storage.
- B. For use in Budd Company Model 20 or Model 20A projectors for industrial radiography and in Budd Company Model 41026 source changer for source replacement and storage.

For the U. S. Atomic Energy Commission

Original Signed by
Nathan Bassin

Isotopes Branch

Division of Materials Licensing
Washington, D. C. 20545

Date **MAY 26 1966**

nlpc NB 5-25-66

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Supplementary Sheet

License Number 04-00364-09

9. Authorized use

- C. For use in modified Budd Company Model 20 projectors for industrial radiography and in Technical Operations Model 414 source changer for source replacement and storage.
- D. For use in Budd Company Model 30 projectors for industrial radiography and in Budd Company Model 41026 source changer for source replacement and storage.
- E. and F. For use in Budd Company Model 52 projectors for industrial radiography.

CONDITIONS

- 10. Byproduct material shall be used at the Hunters Point Division, San Francisco, California.
- 11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation," and Part 34, "Licenses for Radiography and Radiation Safety Requirements for Radiographic Operations."
- 12. The licensee is authorized to receive, possess, and use sealed sources of Iridium 192 or Cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
 - A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for Iridium 192 or 10% for Cobalt 60;
 - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the byproduct material; and
 - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in Section 34.21, 10 CFR 34.

For the U. S. Atomic Energy Commission

Original Signed by

Walton Bassin

by Isotopes Branch

Division of Materials Licensing
Washington, D. C. 20545

Date MAY 26 1966

W.B. 5-25-66

Supplementary Sheet

License Number **04-00364-59**

(continued) **CONDITIONS**

- 13. Pursuant to Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import the uranium contained as shielding material in the radiography exposure devices authorized by this license.
- 14. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated December 18, 1964, and amendment thereto dated February 19, 1965, and application dated January 7, 1966, and amendment thereto dated April 28, 1966.

A. Isotope 197	1. Technical Operations Model 1074-1 Sealed Sources	1. No single source to exceed 10 curies
B. Isotope 192	2. Budd Company Model 11701 Sealed Sources	2. No single source to exceed 10 curies
C. Isotope 192	3. Technical Operations Model 1074 Sealed Source when available	3. No single source to exceed 10 curies
D. Isotope 192	4. Budd Company Model 11701 Sealed Sources	4. No single source to exceed 10 curies
E. Isotope 60	5. Budd Company Model 4105 Sealed Sources	5. No single source to exceed 10 curies
F. Isotope 60	6. Budd Company Model 4105 Sealed Sources	6. No single source to exceed 10 curies

- 7. Authorized use
 - A. For use in Technical Operations Model 1074 projectors for industrial radiography and in Technical Operations Model 1074 source changes for source replacement and storage.
 - B. For use in Budd Company Model 10 or Model 11701 projectors for industrial radiography and in Budd Company Model 4105 source changes for source replacement and storage.

For the U. S. Atomic Energy Commission

Original Signed by
Nathan Bassin

by **Isotopes Branch**
Division of Materials Licensing
Washington, D. C. 20545

Date **MAY 26 1966**

mjc NB 5-25-66