

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. Tumbleweed X-Ray Company	3. License number 03-23185-01 37-26741	
2. P. O. Box 1210 Greenwood, Arkansas 72936	4. Expiration date September 30, 1988	
	5. Docket or Reference No. 35-21425-01, 37-26647	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Iridium-192	A. Sealed sources (Source Production and Equipment Company (SPEC) Model G-1 or G-3)	A. Not to exceed 100 curies per source
B. Iridium-192	B. Sealed sources (SPEC Model T-3)	B. Not to exceed 100 curies per source
C. Iridium-192	C. Sealed sources (Technical Operations (TO) Model A424-9)	C. Not to exceed 100 curies per source
D. Iridium-192	D. Sealed sources (Gamma Industries (GI) Model T-3-T)	D. Not to exceed 100 curies per source
E. Iridium-192	E. Sealed sources (SPEC Model T-5)	E. Not to exceed 100 curies per source

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
03-23185-01

Docket or Reference number
35-21425-01

F. Iridium-192

I. Sealed sources
(GI Models A-1-A, A-1-G,
A-1-TG; or GI Models
A-2-A, A-2-G, or A-2-TG
with appropriately fitted
controls and long pigtail
protector cap on lock box.

F. Not to exceed
100 curies per
source

G. Iridium-192

G. Sealed sources
(SPEC Model G-36)

G. Not to exceed
100 curies per
source

H. Cobalt-60

H. Sealed sources
(SPEC Model G-37)

H. Not to exceed
100 curies per
source

9. Authorized use:

- A. For use in SPEC Model 2-T exposure devices for industrial radiography and SPEC Model C-1 source changers for storage and replacement sources.
- B. For use in TO Model 660 exposure devices for industrial radiography and SPEC Model C-1 source changers for storage and replacement of sources.
- C. For use in TO Model 660 exposure devices for industrial radiography and TO Model 650 source changers for storage and replacement of sources.
- D. For use in TO Model 660 exposure devices for industrial radiography and GI Model C-10 source changers for storage and replacement of sources.
- E. For use in TO Model 660 exposure devices for industrial radiography and SPEC Model C-1 source changers for storage and replacement of sources.
- F. For use in GI Model Gamma Century exposure devices for industrial radiography and GI Model C-10 source changers for storage and replacement of sources.
- G. For use in SPEC Model SPEC-Check II exposure devices for industrial radiography.
- H. For use in SPEC Model I exposure devices for industrial radiography.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

03-23185-01

Docket or Reference number

35-21425-01

CONDITIONS

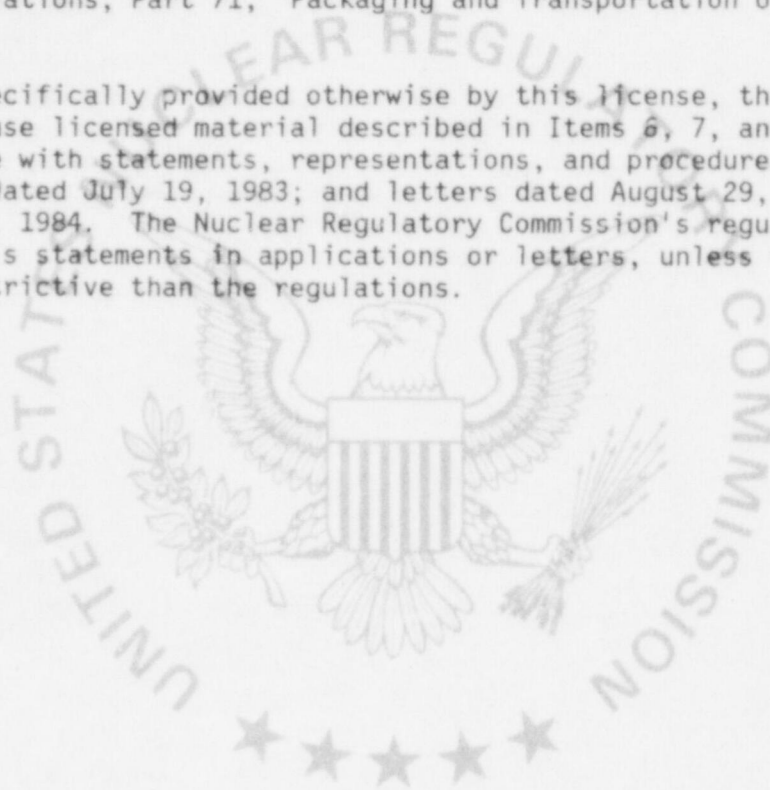
10. Licensed material shall be used only at temporary job sites of the licensee anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections," Part 20, "Standards for Protection Against Radiation," and Part 34, "Licenses for Radiography and Radiation Safety Requirements for Radiographic Operations."
12. A. Pursuant to Section 34.25, 10 CFR 34, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license in accordance with procedures contained in application dated July 19, 1983, and letter dated September 21, 1984.
B. Notwithstanding the periodic leak test required by Section 34.25(b), 10 CFR 34, such requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within 6 months prior to the date of use or transfer.
13. 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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
03-23185-01

Docket or Reference number
35-21425-01

14. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of uranium contained as shielding material in the radiography exposure devices and source changers authorized by this license.
15. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."
16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 19, 1983; and letters dated August 29, 1983, and September 21, 1984. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 25 1985

Original Signed By
Jack E. Whitten

By

Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

Official Record Copy

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