

## 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	In accordance with application dated September 4, 1984		
1. Independent Testing Laboratories	3. License number 03-15981-02 is amended in its entirety to read as follows:		
2. 1 Research Drive P. O. Box 657 Searcy, Arkansas 72143	4. Expiration date September 30, 1990		
	5. Docket or Reference No. 030-11232		
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. See Condition 10.	A. Sealed sources	A. See Condition 10.	
9. Authorized use:			
A. For use in industrial radiography and replacement of sources.			

## CONDITIONS

10. Sealed sources, exposure devices, and source changers authorized for use are as follows:

Isotope	Manufacturer & Model No. of Source Assemblies	Maximum Activity per Source	Manufacturer & Model No. of Exposure Devices	Manufacturer & Model No. of Source Changers
A. Ir-192	Gamma Industries (GI) Model A-1-A, Gulf Nuclear Incorporated (GNI) Model RG-13, Source Production & Equipment Company (SPEC) Model G-1	100 curies	GI Model Century	GI Model C-10, GNI Model U-110A, SPEC Model C-1

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10. (continued)

<u>Isotope</u>	<u>Manufacturer &amp; Model No. of Source Assemblies</u>	<u>Maximum Activity per Source</u>	<u>Manufacturer &amp; Model No. of Exposure Devices</u>	<u>Manufacturer &amp; Model No. of Source Changers</u>
B. Ir-192	GI Model A-2-A, GNI Model RGSA-13, SPEC Model G-3	100 curies	GI Model Century with appropriately fitted controls and long pigtail protector cap on lock box	GI Model C-10, GNI Model U-110A SPEC Model C-1
C. Ir-192	GI Model C-1-R or GNI Model RC-16	100 curies	Cumberland Research Corp. Model 120	GI Model C-10, GNI Model U-110A
D. Ir-192	GI Model GP, GNI Model RPL-1-G, SPEC Model G-23	100 curies	GI Pipeliner Model 1	N/A

11. 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.
12. 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."
13. 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 September 4, 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.

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14. The licensee is authorized to receive, possess, and use sealed sources of iridium-192 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;
  - 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.
15. 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.
16. 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."
17. 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 September 4, 1984; and letters dated August 7, 1985, and August 27, 1985. 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

Original Signed By  
Jack E. Whitten

Date

SEP 26 1985

By

Nuclear Materials Safety Section  
Region IV  
Arlington, Texas 76011

Official Record Copy

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