

* MATERIALS LICENSE

Amendment No. 01

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. Detroit Testing Laboratory, Inc.

2. 8720 Northend Avenue
Oak Park, MI 48237In accordance with application dated
July 26, 19843. License number 21-18302-01 is amended in
its entirety to read as follows:

4. Expiration date September 30, 1990

5. Docket or
Reference No. 030-148146. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this license

A. Iridium-192

A. Sealed source(s)
(Gamma Industries
Model A-2-A)A. No single source
to exceed 100 curies

B. Cesium-137

B. Sealed source(s)
(U.S. Nuclear Model 375)B. No single source
to exceed 100
millicuries

9. Authorized Use

A. For use in Gamma Industries Model Century SA exposure devices for industrial radiography and in Gamma Industries Model C-10 source changers for storage and replacement of sources.

B. For use in J.L. Sheperd & Associates Model 28-5 calibrator for calibration of the licensee's survey instruments.

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 8720 Northend Avenue, Oak Park, Michigan and at temporary job sites of the licensee anywhere in the United States where the U. S. 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."

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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 September 1978.
- 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 six months prior to the date of use or transfer.
- C. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with Section 34.25 of 10 CFR 34.
13. 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.
14. Sealed sources containing licensed material shall not be opened.
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 of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."

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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 applications dated September 1978 and June 26, 1984; and letters dated September 28, 1978, February 8, 1979, April 27, 1979, June 26, 1984, and August 21, 1985 (with attachments). 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 J.R. Madera

Materials Licensing Section, Region III

Date August 27, 1985

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