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C. D. TROWBRIDGE, Director

St. Louis Testing Laboratories, Inc.

2810 CLARK AVENUE • ST. LOUIS, MO. 63103
831-8080 Code 314

Chemical, Metallurgical, Physical, Non-Destructive, Spectrographic, Agricultural Testing and Analyses

Investigations, Research and Development, Inspection, Field Services

ST. LOUIS TEST

December 11, 1979

U. S. Nuclear Regulatory Comm.
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attention: Mr. James G. Keppler

Gentlemen:

This is in response to your correspondence dated November 27, 1979, concerning IE Bulletin No. 79-19.

We perform industrial radiography with IR-192 and Co^{60} sources, each of which are in the encapsulated form (see copy of our license which is enclosed).

We do not generate low-level radioactive wastes, therefore, as stated in the bulletin we do not "need to take other actions specified in the above items".

We return our depleted sources to the company from which we purchase them.

If you need further information concerning this matter, please advise.

Yours truly,

C. D. Trowbridge
Director

jkb

enc. license #24-00188-02

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U.S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

Amendment No. 22

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 39, 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), and to import such byproduct and source material. 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.

1. Licensee St. Louis Testing Laboratories, Inc. 2810 Clark Avenue St. Louis, Missouri 63103	2. In accordance with application dated September 6, 1978. 3. License number 24-00188-02 is amended in its entirety to read as follows: 4. Expiration date July 31, 1984 5. Docket or Reference No.

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. Atomic Energy of Canada, Ltd. Type XC-237 or Gulf Nuclear Model RS-18 sealed sources	A. Not to exceed 100 curies per source
B. Cobalt 60	B. Atomic Energy of Canada Ltd. Type C-164 sealed sources	B. Not to exceed 10 curies per source
C. Cobalt 60	C. Nuclear Consultants Model NCC-1C-6 sealed sources	C. Not to exceed 25 millicuries per source
D. Cobalt 60	D. Atomic Energy of Canada Ltd. Type XC-298 sealed sources	D. Not to exceed 35 curies per source
E. Cesium 137	E. Atomchem Corporation Model CS 2-10, Type 2000 sealed sources	E. Not to exceed 100 millicuries per source

9. Authorized use

A. For use in St. Louis Testing Laboratories Model STL-100-Ir exposure devices for industrial radiography.

B. For use in St. Louis Testing Laboratories Model STL-FST-120 exposure devices for industrial radiography.

C. For use in Nuclear Consultants Model NCC-LS-25 exposure devices for instrument calibration.

D. For use in St. Louis Testing Laboratories Model STL-50-Co exposure devices for industrial radiography.

9. Authorized use (continued)

E. For use in PGN Corporation Model 64-764 calibrator for calibration of survey instruments.

CONDITIONS

10. Licensed material may be used at the licensee's address stated in Item 2 above 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."

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 6, 1978, as amended March 23, 1979.

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 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 ORIGINAL

NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Supplementary Sheet

License Number 24-00188-02

Docket or Reference No.

Amendment No. 22

CONDITIONS

(continued)

14. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 450 kilograms of uranium contained as shielding material in the radiography exposure devices and source changers authorized by this license.

15. The licensee shall lock the exposure devices subsequent to each radiographic exposure during a radiographic operation to ensure that the sealed source remains in its safe shielded position between exposures.

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."

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 6, 1978, as amended March 23, 1979. 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.

POOR ORIGINAL

JUN 06 1979

For the U. S. Nuclear Regulatory Commission

Original Signed by
JAMES A. JONES

by License Management Branch

Division of Fuel Cycle and Material Safety
Washington, D.C. 20555