

MATERIALS LICENSE

Amendment No. 7

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 letter dated October 25, 1985
1. Environmental Protection Agency Region 10 Laboratory		3. License number 46-10100-02 is amended in its entirety to read as follows:
2. P.O. Box 549 Manchester, Washington 98353		4. Expiration date October 31, 1988
		5. Docket or Reference No. 030-09518
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. Hydrogen 3	A. Titanium tritide foils contained in Safety Light Corp. Model 508-3 detector cells	A. Not to exceed 250 millicuries per source
B. Nickel 63	B. Foils contained in Tracor Model 11400-3201 detector cells	B. Not to exceed 20 millicuries per source
C. Nickel 63	C. Foils contained in Tracor Model 111019 detector cells	C. Not to exceed 20 millicuries per source
D. Nickel 63	D. Foils contained in Tracor Model 115500 detector cells	D. Not to exceed 20 millicuries per source
E. Nickel 63	E. Foils contained in New England Nuclear Model NER-004 detector cells	E. Not to exceed 10 millicuries per source
F. Nickel 63	F. Foils contained in Hewlett Packard Model 18803A or Model 18803-60520 detector cells	F. Not to exceed 15 millicuries per source
G. Nickel 63	G. Foils contained in Perkin-Elmer Corp. Model 330-0119 detector cells	G. Not to exceed 15 millicuries per source
H. Hydrogen 3	H. Titanium tritide foils contained in Tracor Model 111020 detector cells	H. Not to exceed 150 millicuries per source

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SUPPLEMENTARY SHEET

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CONDITIONS

9. Authorized use

A. through H. For use in gas chromatographs for sample analysis.

CONDITIONS

10. Licensed materials may be used at 7411 Beach Drive East, Port Orchard, Washington and at temporary job sites of the licensee anywhere in the United States.
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" and Part 20, "Standards for Protection Against Radiation".
12. Licensed material shall be used by, or under the supervision of, Robert Rieck, Dickey D. Huntamer, Michael M. Johnston, Andrew J. Hafferty, James K. Farr, Nathan A. Graves, Gerald J. Portele, or Stephen V. W. Pope.
13. At least one individual named in Condition 12. shall be physically present at the authorized place of use whenever licensed material is being used.
14. Detector cells containing titanium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding 225 degrees Centigrade.
15. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in Section 20.203(a)(1), Title 10, Code of Federal Regulations, Part 20, the licensee is hereby authorized to label detector cells and cell baths, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.
16. A. Each chromatograph detector containing Nickel 63 shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a detector received from another person shall not be put into use until tested.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the surfaces of the device in which the foil is mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.

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CONDITIONS

(continued)

- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the foil from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Office of the Regional Administrator, Region V, 1450 Maria Lane, Suite 210, Walnut Creek, California 94596, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated September 27, 1983 for analysis by Tracor Instrument Group. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
17. The licensee shall conduct a physical inventory every six (6) months to account for all foils received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of licensed material, location of foils and the date of the inventory.
18. 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".
19. Detector cells containing licensed material shall not be opened or the foil sources removed from the detector cell by the licensee.
20. 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 May 10, 1983, and September 27, 1983, and letters dated February 22, 1984, and October 25, 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

Date

NOV 7 1985

By

Beth A. Riedlinger
Health Physicist (Licensing)
Nuclear Materials Safety Section
Region V