

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 letter received July 15, 1985	
1. Department of the Interior Bureau of Indian Affairs Natural Resources & Engineering Lab. 2. P. O. Box 1060 Gallup, New Mexico 87301		3. License number 30-13827-02 is amended in its entirety to read as follows:	
		4. Expiration date December 31, 1989	
		5. Docket or Reference No. 030-15249	
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. Nickel-63	A. Foils in Tracor Model 114400-3200 detector cells	A. Not to exceed 15 millicuries per foil	
B. Americium-241	B. Any	B. 0.0225 microcurie	
9. Authorized use:			
A. For use in gas chromatographs for sample analysis.			
B. For use as reference standard for calibration purposes.			
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CONDITIONS			
10. Licensed material shall be used only at the Bureau of Indian Affairs, Natural Resources & Engineering Laboratory, corner of 3rd Street and Mesa Street, Gallup, New Mexico.			
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."			

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12. Licensed material shall be used by, or under the supervision of, Robert W. Miller, Andy Newman, Jr., or Beverly Sanders.
13. 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.
14.
 - A. Each chromatograph detector containing nickel-63 shall be tested for leakage and/or contamination at intervals not to exceed 6 months. In the absence of a certificate from a transferor indicating that a test has been made within 6 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.
 - 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 5 days of the test with the U. S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Dr., Suite 1000, Arlington, Texas 76011, 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 letter dated July 31, 1984, for analysis by Tracor, Inc. 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.
15. Detector cells shall not be opened or foils removed from detector cells by the licensee.

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16. The licensee shall conduct a physical inventory every 6 months to account for all foils and plated sources received and possessed under the license. The records of the inventories shall be maintained for 2 years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of foils and plated sources, and the date of the inventory.
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 May 14, 1984; letters dated July 12, 1984, July 31, 1984, September 10, 1984, and November 9, 1984; and letter received July 15, 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

JUL 31 1985

By

Original Signed By
Jack E. Whitten

Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

Official Record Copy

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