

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); 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.

Licensee		In accordance with letter dated May 17, 1985	
1. Department of Health and Human Services Billings Area Indian Health Service		3. License number 25-17894-01 is amended in its entirety to read as follows:	
2. P. O. Box 2143 711 Central Avenue Billings, Montana 59103		4. Expiration date May 31, 1988	
		5. Docket or Reference No. 030-13607	
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. Cesium-137	A. Sealed sources (Troxler Dwg. No. A-102112)	A. Not to exceed 10 millicuries per source	
B. Americium-241	B. Sealed neutron sources (Troxler Dwg. No. A-102451)	B. Not to exceed 50 millicuries per source	
C. Cesium-137/ Americium-241	C. Sealed sources (New England Nuclear Model 560A)	C. Not to exceed 11 millicuries of Cesium-137 and 60 milli- curies of Americium-241	
D. Cesium-137	D. Sealed source (ICN)	D. One source of 10 microcuries	

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9. Authorized use

- A. and B. For use in Troxler Model 3400 Series moisture/density gauges for measurement of properties of materials.
- C. For use in Soiltest, Inc. Model NIC 5DT portable gauges to measure moisture and density of materials.
- D. For use in Victoreen Dosimeter Calibrator.

CONDITIONS

- 10. Licensed material may be used at 711 Central Avenue, Billings, Montana, 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 and in the physical presence of licensee employees who have completed the training course in the use of the devices conducted by Robert M. Hayes as described in letter dated May 4, 1978, and have been designated by Robert M. Hayes.
- 13. A. (1) Each sealed source containing licensed material 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 sealed source received from another person shall not be put into use until tested.

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(2) The periodic leak test required by this condition does not apply to sealed 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.

- 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 sealed source or from the surfaces of the device in which the sealed source is permanently 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 sealed source 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 April 28, 1978, for analysis by Nuclear Sources and Services. 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.
14. Sealed sources containing licensed material shall not be opened or removed from moisture/density gauges by the licensee.
15. Maintenance or repair of portable devices involving removal of the sealed sources from the devices or removal or dismantling of shielding may be performed only by the device manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

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16. The licensee shall conduct a physical inventory every 6 months to account for all sealed 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, manufacturers' names and model numbers, location of sealed sources and the date of the inventory.
17. 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."
18. 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 November 29, 1977; application received April 17, 1978; letters dated May 4, 1978, June 6, 1978, January 24, 1979, May 4, 1981, and April 12, 1983; sketch of licensee's facility received May 11, 1983; and letters dated October 5, 1983, November 29, 1983, December 13, 1983, December 28, 1983, and May 17, 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

G. L. Cain
G. L. Cain

Date JUN 6 1985

By

Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

Official Record Copy

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