

MATERIALS LICENSE

Amendment No. 2

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 August 13, 1987	
1. McLane and Associates, Inc.		3. License number 50-21374-01 is amended in its entirety to read as follows:	
2. P. O. Box 468 Soldotna, Alaska 99669		4. Expiration date June 30, 1988	
		5. Docket or Reference No. 030-20575	
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. A-102112)	A. Not to exceed 10 millicuries per source	
B. Americium 241	B. Sealed neutron sources (Troxler Dwg. A-102451)	B. Not to exceed 50 millicuries per source	
C. Americium 241	C. Sealed sources (Troxler Dwg. No. A-100608)	C. Not to exceed 110 millicuries per source	
9. Authorized use			
A. and B. For use in Troxler Model 3400 Series Moisture-Density gauges to measure properties of construction materials.			
C. For use in Troxler Model 3241-C gauges to measure asphalt content of construction materials.			

CONDITIONS

10. Licensed material may be used at the licensee's facilities at Mile Point 3.5 off the Kenai Spur Highway north of Soldotna, Alaska, 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.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
50-21374-01

Docket or Reference number
030-20575

Amendment No. 2

CONDITIONS

(continued)

11. Licensed material shall be used by, or under the supervision and in the physical presence of, Lawrence J. Schmidt, Henry Knackstedt, David M. Schmidt, Walt Robson, S. A. Mc Lane, or other persons who have completed the manufacturer's training course in the use of the devices and have been designated by Lawrence J. Schmidt, Radiation Protection Officer. The licensee shall maintain records of individuals designated as users.
12. Sealed sources containing licensed material shall not be opened.
13.
 - A. The source(s) specified in Item(s) 7.A through 7.C, shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
 - B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
 - C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U. S. Nuclear Regulatory Commission, Region V; Nuclear Materials Safety and Safeguards Branch; 1450 Maria Lane, Suite 210; Walnut Creek, California 94596. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
 - D. The licensee is authorized to collect leak test samples for analysis by the licensee or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. The licensee shall conduct a physical inventory every six (6) months to account for all sources and/or devices received and possessed under the license. Records of the inventories shall be maintained for two (2) years from the date of each inventory.
15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".

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(continued)

16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated April 27, 1983
- B. Letter dated June 9, 1983
- C. Letter dated January 9, 1985
- D. Letter dated August 13, 1987



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date August 31, 1987

original signed by B. A. Riedlinger

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