

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		
1. Colorado Geologic, Inc.		3. License number 05-26899-01
2. 12395 W. 53rd Avenue, Suite 102 Arvada, Colorado 80002		4. Expiration date September 30, 1992
		5. Docket or Reference No. 030-30172
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 (Campbell Pacific Nuclear Model CPN-131)	A. 10 sources not to exceed 10 millicuries per source
B. Americium-241	B. Sealed neutron sources (Campbell Pacific Nuclear Model CPN-131)	B. 10 sources not to exceed 50 millicuries per source
9. Authorized use:		
A. and B. For use in Campbell Pacific Portaprobe Model MC Series moisture/density gauges for measurement of properties of materials.		

CONDITIONS

10. Licensed material may be used 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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11. Licensed material shall be used by, or under the supervision and in the physical presence of, Douglas W. Middleton or individuals who have been trained as specified in application dated August 24, 1987. The licensee shall maintain records of individuals designated as users.
12.
 - A.
 - (1) The sources specified in Items 7.A. and 7.B. 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.
 - (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
 - 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 sampled. 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 IV, 611 Ryan Plaza Drive, Suite 1000, Arlington, Texas 76011, ATTN: Chief, Nuclear Materials and Emergency Preparedness Branch. The report shall specify the source involved, the test results, and corrective 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 Gulf Nuclear, or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement Stated to perform such services.

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13. Sealed sources containing licensed material shall not be opened.
14. 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.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 years from the date of each inventory.
16. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. 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 August 24, 1987

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 30 1987

LICENSE FEE MANAGEMENT BRANCH

Original signed by
JACK E. WHITTEN

By _____
Nuclear Materials Licensing Section
Region IV
Arlington, Texas 76011

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