

MATERIALS LICENSE

Amendment No. 1

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 May 17, 1985
1. Department of the Interior Geological Survey Water Resources Division		3. License number 50-11901-02 is amended in its entirety to read as follows:
2. Alaska District 1209 Orca Street Anchorage, Alaska 99501		4. Expiration date February 29, 1989
		5. Docket or Reference No. 030-20907
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. Carbon 14	A. Any	A. 5 millicuries
B. Phosphorus 32	B. Any	B. 5 millicuries
9. Authorized use		
A. and B. For use in research and development as defined in Section 30.4(q), 10 CFR Part 30.		

CONDITIONS

10. Licensed materials may be used at 1209 Orca Street; Anchorage, Alaska 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. A. Licensed material described in Item A. may be used by, or under the supervision and in the physical presence of, Richard L. Snyder, Timothy G. Rowe, or Paul F. Woods.
B. Licensed material described in Item B. may be used by, or under the supervision and in the physical presence of Richard L. Snyder.
13. The licensee shall not use licensed material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.
14. This license does not authorize commercial distribution of licensed material.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

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CONDITIONS

(continued)

15. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
 - A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of ten (10) half-lives.
 - B. Prior to disposal as normal waste, radioactive waste shall be monitored to determine that its radioactivity cannot be distinguished from background with typical low-level laboratory survey instruments. All radiation labels will be removed or obliterated.
16. 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".
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 November 30, 1983; letter dated January 17, 1984, and letter dated 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

Date _____

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