

MATERIALS LICENSE

Amendment No. 19

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. Providence Hospital Radiation Safety Office	3. License number	50-17838-01
2. 3200 Providence Drive, Pouch 6604 Anchorage, Alaska 99502	4. Expiration date	August 31, 1988
	5. Docket or Reference No.	030-13426
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. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. As needed
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. As needed
E. Any byproduct material identified in 10 CFR 35.500	E. Sealed sources for diagnostic devices	E. 1.5 curies per source
F. Uranium depleted in Uranium-235	F. Cadmium plated metal	F. As needed
G. Strontium 90	G. Sealed source (Nuclear Enterprises reference source No. 2503/3)	G. 10 millicuries
H. Cesium 137	H. Sealed source (J.L. Shepherd and Associates Instrument Calibrator Model 28-5)	H. 100 millicuries

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REG5 LIC30
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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9. Authorized use:

- A. Medical use described in 10 CFR 35.100.
- B. Medical use described in 10 CFR 35.200.
- C. Medical use described in 10 CFR 35.300.
- D. Medical use described in 10 CFR 35.400.
- E. Medical use described in 10 CFR 35.500.
- F. Shielding in a linear accelerator.
- G. and H. Instrument calibration.

CONDITIONS

10. Location of use:

- A. Providence Hospital
3200 Providence Drive
Anchorage, Alaska
- B. Licensed material described in License Conditions 6.E., 7.E. 8.E., and 9.E. may also be used in Room 132 of the Providence Medical Office Building, 3340 Providence Drive, Anchorage, Alaska.

11. Radiation Safety Officer: Darwin L. Zellmer, Ph.D.

12. Authorized users:

- A. Maurice J. Coyle, M.D. for materials identified in 10 CFR 35.100, 35.200, 35.400, 35.500; Iodine 131 for treatment of hyperthyroidism or cardiac dysfunction
- B. John J. Kottra, M.D. for materials identified in 10 CFR 35.100, 35.200, 35.500; Iodine 131 for treatment of hyperthyroidism or cardiac dysfunction
- C. Charles Sternhagen, M.D. for materials identified in 10 CFR 35.300, and 35.400
- D. Denise Farleigh, M.D. for materials identified in 10 CFR 35.100, 35.200, 35.500; Iodine 131 for treatment of hyperthyroidism or cardiac dysfunction
- E. David Allen Moeller, M.D. for materials identified in 10 CFR 35.100, 35.200, 35.300, and 35.500.
- F. Kenneth A. Fox, M.D. for materials identified in 10 CFR 35.300 and 35.400.
- G. Darwin L. Zellmer, Ph.D. for non-human uses of licensed material.

13. The licensee may use the Lineator device for doing linearity tests of its dose calibrator provided it follows the procedures in the Atomic Products Corporation Lineator Instructions Manual dated June 20, 1983.

14. 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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CONDITIONS

(continued)

15. 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 November 30, 1982
- B. Application dated February 21, 1983
- C. Letter dated July 13, 1983
- D. Letter dated August 17, 1983
- E. Letter dated January 20, 1984
- F. Letter dated February 13, 1984
- G. Telegram dated February 22, 1984
- H. Letter dated March 6, 1984
- I. Letter dated May 15, 1986
- J. Letter dated July 28, 1986
- K. Letter dated September 18, 1986
- L. Letter dated June 3, 1987

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date July 13, 1987

original signed by B. A. Riedlinger

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