

MATERIALS LICENSE

Amendment No. 03

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 April 28, 1987,	
1. Massachusetts Department of Public Health Radiation Control Program		3. License number 20-21030-01 is amended in its entirety to read as follows:	
2. 150 Tremont Street Boston, Massachusetts 02111		4. Expiration date August 31, 1992	
		5. Docket or Reference No. 030-19686	
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. Cobalt 60	A. Sealed sources	A. 10 millicuries	
B. Cesium 137	B. Sealed sources	B. 1 millicurie	
C. Barium 133	C. Sealed sources	C. 1 millicurie	
D. Americium 241	D. Sealed sources	D. 1 millicurie	
E. Plutonium 239	E. Sealed sources (Eberline Model 594-1)	E. 0.1 milligrams (6 microcuries)	
F. Any byproduct material	F. Any	F. Not to exceed 10 microcuries for each isotope	
9. Authorized use			
A. through F. For use as reference standards for calibration of instruments and quality assurance as a part of the licensee's radiation control program.			

CONDITIONS

10. Licensed material may be used at 150 Tremont Street, Boston, Massachusetts; State Laboratory Institutes, 305 South Street, Jamaica Plain, Massachusetts; Radiation Control Department, Western Regional Office, 23 Service Center, Northampton, Massachusetts; and at temporary job sites of the licensee anywhere in Massachusetts.
11. Licensed material shall be used by, or under the supervision of, Robert M. Hallisey, Agostino J. Savastano, William J. Bell, George Swible, or Robert T. Watkins.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
2C-21030-01

Docket or Reference number
030-19686

Amendment No. 03

(Continued)

CONDITIONS

13. A(1) Any sealed sources or detector cells specified in Items 7.A. through 7.D. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source or detector cell 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 or detector cell is exempt from such leak tests when the source or detector cell contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any sealed source or detector cell in storage and not being used need not be tested. When the source or detector cell 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 or detector cell 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 I, ATTN: Chief, Nuclear Materials Safety and Safeguards Branch, 631 Park Avenue, King of Prussia, Pennsylvania 19406. 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. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
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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SUPPLEMENTARY SHEET

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(Continued)

CONDITIONS

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 April 5, 1982
- B. Letter dated April 28, 1987



For the U.S. Nuclear Regulatory Commission
Original Signed By:
John E. Glenn

Date AUG 19 1987

By _____
Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406