

Corrected Copy

MATERIALS LICENSE

Amendment No. 8

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, 39, 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 8, 1991	
1. Baxter Healthcare Corporation		3. License number	52-21175-01
2. P.O. Box 1389 721 State Road Aibonito, Puerto Rico 00609		is amended in its entirety to read as follows:	
		4. Expiration date	September 30, 1993
		5. Docket or Reference No	030-19882
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 [Nordion International (Formerly AECL) Model C-188, Types 1, 2, 3, or 4]	A. Not to exceed 14,250 curies per source and 5,000,000 curies total	
B. Cesium 137	B. Sealed sources (Nuclear Associates Inc. Model No. 62-103)	B. Not to exceed 10 microcuries per source	

9. Authorized Use:

- A. For use in Nordion (Formerly AECL) Model Ir-130 irradiator for irradiation of materials, except explosives, highly flammable products, or food for human consumption.
- B. For use as instrument check sources.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities at 721 State Road, Aibonito, Puerto Rico.
11. The Radiation Protection Officer for this license is Mr. Felipe Collazo or in his absence Mr. Juan Rivera.
12. Licensed material shall be used by, or under the supervision of, Felipe Collazo, Juan Rivera, or La Wayne R. Stromberg, M.D.
13. Sealed sources containing licensed material shall not be opened by the licensee.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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CONDITIONS

Continued-

14.
 - A. The source(s) specified in Item 7, 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 II, Division of Radiation Safety and Safeguards, Nuclear Material Safety Section, 101 Marietta Street, Suite 2900, Atlanta, Georgia 30323. 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.
 - E. In lieu of the standard leak test, the ion exchange resin filter bed shall be monitored as specified in application dated June 23, 1988. If any radioactivity above normal background is detected, the licensee shall determine if the radioactivity is due to a leaking source. Any source found to be leaking shall be removed in accordance with procedures specifically approved by this license. A report of the leaking source shall be provided within five days of discovery of the test results to U.S. Nuclear Regulatory Commission, RII, Division of Radiation Safety and Safeguards, Nuclear Materials Safety Section, 101 Marietta Street, Suite 2900, Atlanta, GA 30323.
15. After loading or unloading any sources from the irradiator and before resuming operations, the licensee shall ensure that a radiation survey is conducted of all accessible locations outside the irradiation room (including: around, above, and below [when appropriate]) with the sources in both the shielded and operate positions. Not more than thirty days after the survey is conducted, the results shall be sent to U.S. Nuclear Regulatory Commission at the address specified in condition 14.E.
16. The licensee is prohibited from removing, replacing, and/or disposing of sealed sources from the irradiator. In addition the licensee shall not perform repairs and/or alterations on the irradiator, its control console and safety systems, its shielding or any other mechanism that might affect the containment integrity of the sealed irradiator sources, the irradiator "on-off" mechanism or the physical security of the irradiation room. Unless otherwise specified in writing by the Commission, these services shall be performed only by the irradiator manufacturer or other persons specifically licensed by the Commission or An Agreement State.
17. The license shall provide written procedures to all persons using or having responsibility for use of licensed material and require the use of these procedures for maintenance and servicing, and routine and emergency operations. These procedures shall conform to the sealed source and irradiator manufacturer's recommendations and pertinent NRC rules, regulations and requirements of this license.

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CONDITIONS

Continued-

18. The licensee shall maintain records of information important to safe and effective decommissioning at its facilities located at 721 State Road, Aibonito, Puerto Rico in accordance with the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
19. The licensee shall maintain financial assurance for decommissioning as specified in 10 CFR 30.35.
20. 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 June 23, 1988
 - B. Letters dated:
 - (1) September 14, 1989
 - (2) October 31, 1989
 - (3) August 8, 1991
 - (4) November 12, 1991 (FAX)
 - (5) January 27, 1992

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date DEC 04 1992

By Earl G. Wright
Region II, Nuclear Materials Safety Section
101 Marietta Street, Suite 2906
Atlanta, GA 30323