

MATERIALS LICENSE

Amendment No. 14

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.

"OFFICIAL RECORD COPY"

Licensee

1. J. B. Thomas Hospital
2. 15 King Street
Peabody, Massachusetts 01960

In accordance with letter dated
May 31, 1985
3. License number 20-14073-01 is amended in its
entirety to read as follows:

4. Expiration date December 31, 1986

5. Docket or
Reference No. 030-075436. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this licenseA. Any byproduct material
listed in Groups I and
II of Schedule A, Section
35.100 of 10 CFR 35A. Any radiopharmaceutical
listed in Groups I and
II of Schedule A, Section
35.100 of 10 CFR 35A. As necessary for uses
authorized in Subitem
9.A.B. Any byproduct material
listed in Group III of
Schedule A, Section
35.100 of 10 CFR 35B. Any form listed in Group
III of Schedule A, Section
35.100 of 10 CFR 35B. 3 curies of each
byproduct material
authorized in Subitem 6.B.C. Any byproduct material
listed in Section 31.11(a)
of 10 CFR 31

C. Prepackaged kits

C. 3 millicuries of each
byproduct material
authorized in Subitem 6.E.

9. Authorized use

- A. Any diagnostic procedure listed in Groups I and II of Schedule A, Section 35.100, Title 10, Code of Federal Regulations.
- B. Preparation and use of radiopharmaceuticals for any diagnostic procedure listed in Group III of Schedule A, Section 35.100 of Title 10, Code of Federal Regulations.
- C. In vitro studies.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities, J. B. Thomas Hospital, 15 King Street, Peabody, Massachusetts.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

20-14073-01

Docket or Reference number

030-07543

Amendment No. 14

(continued)

CONDITIONS

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. Licensed material listed in Item 6 above is authorized for use by, or under the supervision of, the following individual(s) for the materials and uses indicated:

George Kury, M.D.

Groups I, II, and III

In vitro studies

Thomas J. Lapine, M.D.

Groups I, II, and III

In vitro studies

Joseph M. Baldwin, M.D.

Groups I, II, and III

In vitro studies

13. Licensed material shall be used in accordance with the provisions of Section 35.14(b)(c)(e) and (f) of Title 10, Code of Federal Regulations.

14. For a period not to exceed sixty (60) days in any calendar year, a visiting physician is authorized to use licensed material for human use under the terms of this license, provided the visiting physician:

(a) Has the prior written permission of the hospital's Administrator and its Medical Isotopes Committee, and

(b) Is specifically named as a user on a Nuclear Regulatory Commission license authorizing human use, and

(c) Performs only those procedures for which he is specifically authorized by a Nuclear Regulatory Commission license.

The licensee shall maintain for the inspection by the Commission, copies of the written permission specified in subitem (a) above and of the license(s) specified in subitems (b) and (c) above. These records shall be maintained for five (5) years from the time the licensee grants its permission under subitem (a) above.

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. Effected radioactive waste 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.

C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.

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SUPPLEMENTARY SHEET**

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(continued)

CONDITIONS

16. The licensee may use the Calicheck device for performing linearity tests of the dose calibrator in accordance with the procedures in the Calcorp, Inc. Manual dated March 2, 1982.
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 August 28, 1981 and letters dated December 2, 1981 and May 31, 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

Original Signed By:

John E. Glenn

Date JUN 24 1985

By

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