NRC FORM 374
(7-94)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 47
Corrected Copy

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, 36, 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	
1. Lakeland Medical Center, St. Joseph	In accordance with letter received September 26, 1996 3. License Number 21-04177-01 is amended in its entirety to read as follows:
2. 1234 Napier Avenue St. Joseph, MI 49085	4. Expiration Date January 31, 2005
	5. Docket or Reference No. 030-02049

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 (excluding Tc-99m aerosols)	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. Gadolinium-153	E. Sealed sources (North American Scientific, Inc. Model 3601)	E. 4 sources, not to exceed 250 millicuries each

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200 (excluding Tc-99m aerosols).

C. Medical use described in 10 CFR 35.300.

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D. Medical use described in 10 CFR 35.400.

E. Two sources to be used in Adac Laboratories Transmission Line Source Housing VANTAGE device for medical radiography in humans. Two sources in shipping containers for replacement of the sources.

CONDITIONS

10. Location of use: 1234 Napier Avenue, St. Joseph, Michigan.

11. Radiation Safety Officer: Alexander Bogda, M.S.

12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users	Material and Use
A. Gene E. Maddock, M.D.	10 CFR 35.100, 35.200 (excluding Tc-99m aerosols) and 35.300 and gadolinium-153 in VANTAGE device for medical radiography.
B. William F. Leahey, M.D.	10 CFR 35.100, 35.200 (excluding Tc-99m aerosols), and 35.300 (excluding iodine-131 for thyroid carcinoma therapy) and gadolinium-153 in VANTAGE device for medical radiography.
C. Walter M. Decker, M.D.	10 CFR 35.100 and 35.200 (excluding Tc-99m aerosols) and gadolinium-153 in VANTAGE device for medical radiography.
D. Anwar Ahmad, M.D.	10 CFR 35.400.
E. Muhammad Z. Iqbal, M.D.	10 CFR 35.400.
F. Roman Hyszczak, M.D.	10 CFR 35.100 and 35.200 (excluding Tc-99m aerosols) and gadolinium-153 in VANTAGE device for medical radiography.
G. Daniel F. Kreider, M.D.	10 CFR 35.100, 35.200 (excluding Tc-99m aerosols) and 35.300 and gadolinium-153 in VANTAGE device for medical radiography.
H. Kent T. Lancaster, M.D.	10 CFR 35.100 and 35.200 (excluding Tc-99m aerosols) and 35.300 and gadolinium-153 in VANTAGE device for medical radiography.

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I.	Brad Bastow, M.D.	10 CFR 35.100 and 35.200 (excluding Tc-99m aerosols) and gadolinium-153 in VANTAGE device for medical radiography.
J.	Don F. Brooks, M.D.	10 CFR 35.200 (excluding generators and reagent kits), limited to cardiovascular clinical procedures only and gadolinium-153 in VANTAGE device for medical radiography.
K.	Dilip Arora, M.D.	10 CFR 35.100 and 35.200 (excluding Tc-99m aerosols and generators), limited to cardiovascular clinical procedures only and gadolinium-153 in VANTAGE device for medical radiography.
L.	J. Christian Higgins, M.D.	10 CFR 35.100 and 35.200 (excluding Tc-99m aerosols and generators), limited to cardiovascular clinical procedures only and gadolinium-153 in VANTAGE device for medical radiography.
M.	John F. Fiederlein, M.D.	10 CFR 35.100, 35.200 (excluding Tc-99m aerosols) and 35.300 and gadolinium-153 in VANTAGE device for medical radiography.
N.	Shahid Latif, M.D.	10 CFR 35.400.

13. A. The licensee may use the Calicheck device for doing linearity tests of its dose calibrator provided it follows the procedures in the Calcorp, Inc., Manual dated March 2, 1982.

    B. 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."

15. The licensee will require the authorized user performing an iodine procedure to sign a written request that will indicate the name of the patient, isotope, radiopharmaceutical, activity, and the supplier prior to ordering the dose.

16. In addition to the possession limits in Condition 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

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17. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.

18. 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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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 20, 1994; and

B. Letters dated June 20, 1990 (excluding the requests to change Items 7., 9.2, and 10.14) and July 12, 1996.

C. Letter received September 26, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 10/24/96

By Kevin G. Null
Nuclear Materials Licensing Branch, Region III

COPY

OCT 28 1996

Robert P. Harrison
Chief Operating Officer
Lakeland Medical Center, St. Joseph
1234 Napier Avenue
St. Joseph, MI 49085

Dear Mr. Harrison:

It has come to our attention that Amendment Number 47 to License Number 21-04177-01 issued on September 27, 1996 contained an error.

Enclosed is a corrected copy reflecting the deletion of Kathleen Gafarian from License Condition 12. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By
Kevin G. Null
Nuclear Materials Licensing Branch

License No.: 21-04177-01
Docket No.: 030-02049

Enclosure: Corrected Copy of
Amendment No. 47

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