

MATERIALS LICENSE

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. MEDIQ Mobile Services

3. License number 15-24485-01

2. 7801 West 110th Street
Overland Park, KS 66210

4. Expiration date May 31, 1990

5. Docket or
Reference No. 030-18665, 24-18094-016. 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.AB. 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. 10 curies
of each byproduct
material authorized
in Subitem 6.B

C. Xenon-133

C. Gas or gas in solution
that is the subject
of an active (i.e., not
withdrawn or terminated)
"New Drug Application"
(NDA) approved by FDA or
an active (i.e., not
withdrawn, terminated
or on "clinical hold")
"Notice of Claimed
Investigational Exemption
for a New Drug" (IND)
that has been accepted
by FDA

C. 200 millicuries

8506030655 850503
REG3 LIC30
15-24485-01 PDR

9. Authorized Use

A. Any diagnostic procedure listed in Groups I and II of Schedule A, Section 35.100 of 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. Blood flow studies. Pulmonary function studies.

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Docket or Reference number
030-18665

CONDITIONS

10. Licensed material shall be received, stored, assayed and prepared at the licensee's facilities located at:

2102 Jefferson Street
Suite 4
Lexington, Missouri

Good Time Country Warehouse
Compartment #2
R.R. 4, Highway 163 and 63
Columbia, Missouri

Space Center
3737 East 10th Street
Suite 12
Joplin, Missouri

2500 South Halliburton
Building 3, Room 1A
Kirksville, Missouri

Licensed material listed in Groups I and II may be used at the following locations:

Community Memorial Hospital
319 Grand Avenue
Moberly, Missouri

Grim-Smith Hospital & Clinic
112 East Patterson Avenue
Kirksville, Missouri

Sullivan County Memorial Hospital
Milan, Missouri

Wright Memorial Hospital
701 East First Street
Trenton, Missouri

Cooper County Memorial Hospital
Boonville, Missouri

Scotland County Memorial Hospital
Memphis, Missouri

Putnam County Memorial Hospital
Unionville, Missouri

Hutchinson Clinic
Northtown Shopping Plaza
North Highway 63
Kirksville, Missouri

Albert M. Keller Memorial Hospital
600 West Morrison Street
Fayette, Missouri

McCune-Brooks Hospital
627 West Centennial
Carthage, Missouri

Hedrich Medical Office Building
103 East 11th Street
Suite 2A
Chillicothe, Missouri

John Fitzgibbon Memorial Hospital
868 South Brunswick
Marshall, Missouri

General John J. Pershing Memorial Hospital
Brookfield, Missouri

Laughlin Osteopathic Hospital
900 East LaHarpe Street
Kirksville, Missouri

St. Francis Hospital
225 West Hayde Street
Marceline, Missouri

Callaway Memorial Hospital
Fulton, Missouri

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Maritan Memorial Hospital
Macon, Missouri

Valuck Clinic
Northtown Shopping Plaza
North Highway 63
Kirksville, Missouri

Kelling Clinic, Inc.
24 Highway West and Missouri Street
Waverly, Missouri

Community Hospital
Bridge and Bay Street
Sweet Springs, Missouri

Levering Hospital
1734 Market Street
Hannibal, Missouri

Licensed material listed in Groups I and II and xenon-133 may be used at the following locations:

Lee's Summit Community Hospital
530 North Murray Road
Lee's Summit, Missouri

Hedrick Medical Center
100 Central Street
Chillicothe, Missouri

Lexington Memorial Hospital
15th and State
Lexington, Missouri

Carroll County Memorial Hospital
1502 North Jefferson Street
Carrollton, Missouri

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 shall be used by William H. Voss, D.O., John F. Rose, M.D., Kenneth L. Rall, M.D., Donald Q. Cochran, M.D., Kenneth M. Kays, M.D., James C. Clouse, D.O., Harve J. Helton, D.O., James R. Farkas, M.D., Michael K. Willman, D.O., Paul M. Williams, D.O., Charles W. Blackwell, M.D., Sam L. Gaston, M.D., Calvin C. Young, M.D., Ronald G. Shriner, M.D., Robert MacNaughton, M.D., L.D. Furlong, M.D., John E. Scott, M.D., Eugene G. Peterson, M.D., David E. Hazuka, M.D., Robert G. Schwegler, M.D., Stephen R. Kunz, M.D., Jon E. Gustafason, M.D., James Arnold, M.D., Raymond W. Hartwig, M.D., Rodney C. Hartman, M.D. or Fred L. King, D.O.
13. The licensee is not authorized to use licensed material at a medical institution or a physician's office which holds a byproduct material license under Title 10, Code of Federal Regulations, Section 35.11 or Section 35.12.
14. 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.
15. Notwithstanding the provisions of Section 35.11(b) of Title 10, Code of Federal Regulations, the licensee is authorized to maintain membership of the Medical Isotope Committee in accordance with letter dated March 4, 1984 submitted by Mobile Medical Services.

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16. When using the Calicheck kit, the licensee shall follow the procedures contained in the manufacturer's instruction manual dated November 25, 1981, revised March 2, 1982.
17. Radiation survey instruments shall be calibrated by persons specifically authorized by the Commission or an Agreement State to perform such services in accordance with procedures described in application dated June 24, 1983 submitted by Mobile Medical Services.
18. 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. Radioactive waste to be disposed of in this manner 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.
19. 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 letter dated April 1, 1985 and the following documents submitted by Mobile Medical Services, License Number 24-18094-01: application dated June 24, 1983; letters dated September 14, 1983 and March 4, 1984; and ALARA Program dated November 28, 1980. 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

Date May 3, 1985

Original Signed
By B.J. Holt
Materials Licensing Section, Region III

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