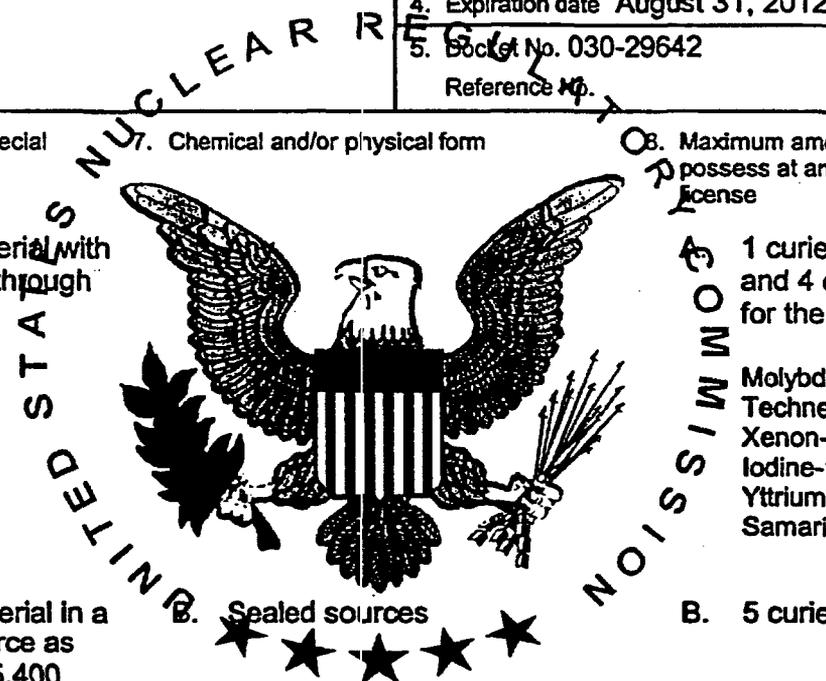


MATERIALS LICENSE

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, 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.

<p>Licensee</p> <ol style="list-style-type: none"> 1. Medi-Physics, Inc. dba GE Healthcare 2. 13321 Stark Road Livonia, MI 48150 	<p>In accordance with the letters dated August 2, 2004, November 3, 2004, and February 1, 2005,</p> <ol style="list-style-type: none"> 3. License number 21-24828-01MD is amended in its entirety to read as follows: <hr/> <ol style="list-style-type: none"> 4. Expiration date August 31, 2012 5. Socket No. 030-29642 Reference #.
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<p>6. Byproduct, source, and/or special nuclear material</p> <ol style="list-style-type: none"> A. Any byproduct material with atomic numbers 3 through 83 inclusive B. Any byproduct material in a brachytherapy source as listed in 10 CFR 35.400 C. Any byproduct material listed in 10 CFR 31.11(a) D. Any byproduct material authorized under 10 CFR 35.57(a) E. Depleted Uranium 	<p>7. Chemical and/or physical form</p> <ol style="list-style-type: none"> B. Sealed sources C. Prepackaged <u>in vitro</u> diagnostic kits D. Sealed sources E. Metal 	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <ol style="list-style-type: none"> A. 1 curie per radionuclide and 4 curies total except for the following: Molybdenum-99, 200 curies Technetium-99m, 200 curies Xenon-133, 5 curies Iodine-131, 1 curie Yttrium-90, 1 curie Samarium-153, 1 curie B. 5 curies C. 500 millicuries D. 500 millicuries E. 999 kilograms
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9. Authorized Use:

- A. Preparation and distribution of radioactive drugs to authorized recipients and redistribution to authorized recipients of unused molybdenum-99/technetium-99m generators initially distributed by a manufacturer licensed pursuant to 10 CFR 32.72.
- B. Redistribution of sealed sources initially distributed by a manufacturer licensed pursuant to 10 CFR 32.74 and registered either by the NRC under 10 CFR 32.210 or by an Agreement State to persons specifically authorized by the NRC or an Agreement State.
- C. Redistribution to specific or general licensees pursuant to 10 CFR 31.11 provided the packaging and labeling remain unchanged.
- D. Instrument calibration and redistribution to authorized recipients of sealed sources initially distributed by a manufacturer licensed pursuant to 10 CFR 32.74.
- E. Shielding.

10. Licensed material shall be used at the licensee's facilities located at 18321 Stark Road, Livonia, Michigan.

11. Licensed material shall be used by, or under the supervision of:

- A. A pharmacist working or designated as an authorized nuclear pharmacist in accordance with 10 CFR 32.72(b)(2)(i) and (4).
- B. Authorized Nuclear Pharmacists: Earl Hussett, Jr., R.Ph., Stephen Olah, R.Ph., Michael Grawburg, R.Ph., Mark Nybo, R.Ph., Thomas R. Snider, R.Ph., Paul Lukas, R.Ph., Jill C. Twehues, R.Ph., Ann King, R.Ph., Gregg Edmund Parker, R. Ph. or Bradley A. Ambs, R.Ph.

12. The Radiation Safety Officer for this license is Kristin M. Anson.

- A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

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- C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The leak test shall be capable of detecting the presence of 0.05 microcurie (185 becquerels) of radioactive material on the test sample if the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination. Records shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.25(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- G. The licensee is authorized to collect and analyze leak test samples. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.

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16. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for decay-in-storage before disposal in ordinary trash provided:
- Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
 - Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
 - A record of each such disposal performed under this license Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclide, the measuring instrument used, the background dose rate, the dose rate measured at the surface of the waste container, and the name of the individual who performed the disposal.
18. The licensee is authorized to retrieve, recover and dispose of radioactive waste from its customers limited to radiopharmacy supplied syringes, vials and ampules.
19. In addition to the possession limits in Item 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.
20. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Registration Certificates issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.

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21. 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 18, 2002; and
- B. Letters dated July 24, 2002, August 19, 2002, August 26, 2002, November 12, 2002, February 19, 2003, and July 8, 2004.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date FEB 01 2005

By

Colleen Carol Casey
Colleen Carol Casey
Materials Licensing Branch
Region III