

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 04

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 style="text-align: center;">Licensee</p> <p>1. Guardian Pharmacy of Indianapolis Nuclear, LLC d/b/a Radiopharmacy of Indianapolis</p> <p>2. Corporate Center North II Bldg A 6538 Corporate Drive Indianapolis, IN 46278</p>	<p>In accordance with letter dated October 8, 2013,</p> <p>3. License number 13-32637-01MD is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date April 30, 2017</p> <hr/> <p>5. Docket No. 030-37428 Reference No.</p>
---	--

<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with atomic numbers 3 through 83 except molybdenum-99, technetium-99m, xenon-133, iodine-131</p> <p>B. Molybdenum-99</p> <p>C. Technetium-99m</p> <p>D. Xenon-133</p> <p>E. Iodine-131</p> <p>F. Any byproduct material authorized under 10 CFR 35.65</p> <p>G. Depleted Uranium</p> <p>H. Any byproduct materials permitted by 10 CFR 35.400</p>	<p>7. Chemical and/or physical form</p> <p>A. Any form initially distributed in accordance with a specific license issued pursuant to 10 CFR 32.72 or equivalent Agreement State regulations</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Any</p> <p>F. Any sealed source listed in 10 CFR 35.65 that has been manufactured, labeled, packaged, and distributed in accordance with a specific license issued pursuant to 10 CFR 32.74 or equivalent Agreement State regulations</p> <p>G. Metal encased in stainless steel</p> <p>H. Sealed sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 800 millicuries</p> <p>B. 250 curies</p> <p>C. 250 curies</p> <p>D. 800 millicuries</p> <p>E. 2.7 curies</p> <p>F. 75 millicuries</p> <p>G. 500 kilograms</p> <p>H. 1.0 curie</p>
---	--	---

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
13-32637-01MD

Docket or Reference Number
030-37428

Amendment No. 04

- | | | |
|---|---|--|
| 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 |
| I. Any byproduct material listed in 10 CFR 31.11(a) | I. <u>Prepackaged units for in vitro diagnostic tests</u> | I. 20 millicuries |

9. Authorized use:

- A. through E. Preparation and distribution of radioactive drugs including compounding of iodine-131 and redistribution of unused molybdenum-99/technetium-99m generators to authorized recipients in accordance with 10 CFR 32.72.
- F. Calibration and checking of licensees instruments. Redistribution of sealed sources initially distributed by a manufacturer licensed pursuant to 10 CFR 32.74 to authorized recipients for medical use and to authorized recipients for non-medical use.
- G. Shielding for Mo99/Tc99m generators.
- H. Redistribution of sealed sources initially distributed by a manufacturer licensed pursuant to 10 CFR 32.74. Redistribution of sealed sources that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.
- I. Redistribution to specific licensees or general licensees pursuant to 10 CFR 31.11 provided the packaging and labeling remain unchanged.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at Corporate Center North II Bldg, 6538 Corporate Drive, Indianapolis, Indiana.
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) and (4).
- B. Authorized Nuclear Pharmacists: Brian K. Hardesty, Stephen L. Piepenbrink, Timothy M. Quinton, Matthew O. Broshears, Nicole M. Spurling, John E. Haney, Jason J. Wilson, Charles E. Bockelman, Yogesh P. Patel, James D. Kauchak, Kevin Boyd, R.Ph. and Joseph M. Stamm.
12. The Radiation Safety Officer for this license is Brian K. Hardesty, R.Ph.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
13-32637-01MDDocket or Reference Number
030-37428**Amendment No. 04**

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals as specified by the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. Sealed sources need not be tested if they 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak 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, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the appropriate U.S. Nuclear Regulatory Commission, Regional Office referenced in Appendix D of 10 CFR Part 20. The report shall specify the source involved, the test results, and corrective action taken.
- E. Tests for leakage and/or contamination shall be performed by the licensee or other persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples for analysis by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.
15. The licensee shall conduct a physical inventory every six months, or at other interval approved by NRC, to account for all sources and/or devices received and possessed under the license.
16. 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 Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
17. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash provided:

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

13-32637-01MD

Docket or Reference Number

030-37428

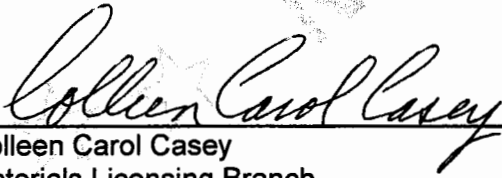
Amendment No. 04

- A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey instrument 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.
- B. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct materials was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
18. The licensee is authorized to retrieve, receive and dispose of radioactive waste from its customers limited to radiopharmacy supplied syringes and vials and their contents.
19. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
20. This license does not authorize distribution to persons exempt from licensing.
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 U.S. 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 November 13, 2006; and
- B. Facsimiles dated January 10, 2007, January 17, 2007; and
- C. Letters dated March 8, 2007, June 25, 2012, August 16, 2012, and **October 8, 2013 (with attachments).**

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 15 2014

By


Colleen Carol Casey
Materials Licensing Branch
Region III