

U.S. NUCLEAR REGULATORY COMMISSION

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.

SC 3070 *218903*

<p>Licensee</p> <p>1. Miller Technical Services, Inc.</p> <p>2. 7444 Haggerty Road Canton, MI 48187</p>	<p>In accordance with letter dated March 9, 2010,</p> <p>3. License number 21-32641-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date March 31, 2016</p> <hr/> <p>5. Docket No. 030-37396 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Technetium-99m</p> <p>B. Thallium-201</p> <p>C. Cobalt-57</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Sealed Sources (Isotope Products Laboratories Model HESL-0002 and RR-057 Rigid Ruler; Eckert & Ziegler Isotope Products Model RV-XXX)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 500 millicuries</p> <p>B. 100 millicuries</p> <p>C. 50 millicuries</p>
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9. Authorized Use:

A through C. To be used for testing and calibration of gamma cameras.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at 7444 Haggerty Road, Canton, Michigan
- 11. A. Licensed materials shall be used by, or under the supervision of Jack E. Juni, M.D.
- B. The Radiation Safety Officer for this license is James M. Botti, M.S.
- 12. Licensed material shall not be used in or on humans except as provided otherwise by specific condition of this license.
- 13. The licensee shall not use licensed material in field applications where activity is release except as provided otherwise by specific condition of this license.

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14. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
15. 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."
16. **A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of 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 the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement state, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.**
- C. Sealed sources need not be leak tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain no more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material.**
- D. 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.**
- E. The leak test shall be capable of detecting the presence of 0.005 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, 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.**
- F. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.**
- G. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.**

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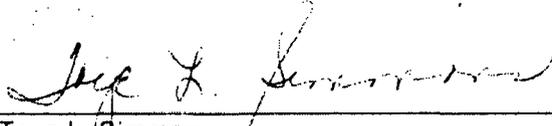
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17. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. 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 January 23, 2007; and
- B. Letters dated March 17, 2007, July 26, 2007 and **March 9, 2010**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 18 2010

By



Toye L. Simmons
Materials Licensing Branch
Region III