

**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.

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<p>Licensee</p> <p>1. C &amp; G Technologies, Inc.</p> <p>2. 6209 Gheens Mills Road Jeffersonville, IN 47139</p>	<p><b>In Accordance with letter dated February 18, 2010,</b></p> <p>3. License number 13-32739-01 <b>is amended in its entirety to read as follows:</b></p> <p>4. Expiration date June 30, 2019</p> <p>5. Docket No. 030-38008 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Germanium-68</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed source (Sanders Medical Products Models PET-Cylinder DDLL/AA, PET-XXX/YY and IPL Models A3408, A3418, A3429, 1911 Series, UPET Series and HEGL Series)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. <b>20 millicuries per source and 2 curies total</b></p>
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9. Authorized Use:
- A. To be used for calibration of refurbished PET/CT scanners.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 6209 Gheens Mill Road, Jeffersonville, Indiana.
11. Licensed material shall be used by, or under the supervision of, **Dale E. McGuire, Su Springer** or Patrick Byrne.
12. The Radiation Safety Officer for this license is **Patrick Byrne, CHP**.
13. A. Sealed sources 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.

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Amendment No. 01

- B. 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.
- C. Sealed sources need not be leak tested if:
- (i) 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
  - (ii) 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 or detector cell 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 by other persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Licensed material shall not be used in or on human subjects.
15. Sealed sources containing licensed material shall not be opened.
16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
17. 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."
18. This license does not authorize distribution or redistribution of licensed material.

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19. 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 March 13, 2009 (excluding all reference to distribution of the sealed sources and excluding reference to performing leak testing as a commercial service to customers.);
- B. Letters dated May 7, 2009, May 20, 2009, May 26, 2009, May 27, 2009, and June 10, 2009.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAR 22 2010

By

  
James R. Mullauer, M.H.S.  
Materials Licensing Branch  
Region III