

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.

Licensee

In accordance with the letter dated
June 1, 2011,3. License number 13-32739-01 is amended in its
entirety to read as follows:

4. Expiration date June 30, 2019

5. Docket No. 030-38008

Reference No.

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

A. Germanium-68

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)A. 20 millicuries per source
and 2 curies total

B. Fluorine-18

B. Any

B. one curie

9. Authorized Use:

A. To be used for calibration of refurbished PET/CT scanners.

B. To be used to calibrate and test PET scanners

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 6209 Gheens Mill Road, Jeffersonville, Indiana.

11. A. Licensed material listed in Subitem 6. A. shall be used by, or under the supervision of, Dale E. McGuire or Patrick Byrne.

B. Licensed material listed in Subitem 6. B. shall be used by, or under the supervision of, Dale E. McGuire.

12. The Radiation Safety Officer for this license is Patrick Byrne, CHP.

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030-38008

Amendment No. 3

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.
- 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 (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.**
- 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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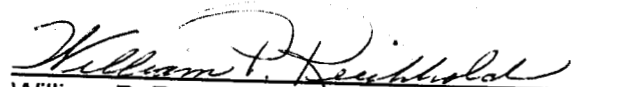
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19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear 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, June 10, 2009 and June 13, 2010.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUN 15 2011

By


William P. Reichhold
Materials Licensing Branch
Region III