

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.

<p style="text-align: center;">Licensee</p> <p>1. Hampton University Center for Advanced Medical Instrumentation</p> <p>2. Physics, Olin 102 Hampton, Virginia 23668</p>	<p>In accordance with the letter dated November 4, 2008,</p> <p>3. License number 45-09657-03 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date November 30, 2012</p> <hr/> <p>5. Docket No. 030-36105 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Americium 241</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (Isotope Products Laboratories, Inc. Model No. GF-XXX Series, Types D, R, and M)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 8 microcuries</p>
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<p>9. Authorized use:</p> <p>A. Research and development as defined in 10 CFR 30.4; teaching and training of students.</p>
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CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at Science and Technology Building, Hampton University Campus, Hampton, Virginia.
11. A. Licensed material shall be used by, or under the supervision of, Paul Gueye, Ph.D.
B. The Radiation Safety Officer for this license is Paul Gueye, Ph.D.
12. The licensee shall not use licensed material in or on human beings.
13. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
45-09657-03Docket or Reference Number
030-36105

Amendment No. 1

15. The licensee shall conduct a physical inventory every six 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.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. 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 August 7, 2002 (ML061080481)
B. Letter dated November 4, 2008 (ML083500247)



For the U.S. Nuclear Regulatory Commission

Date January 27, 2009

By

Original signed by Dennis R. Lawyer

Dennis R. Lawyer
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406