

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 15

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 style="text-align: center;">Licensee</p> <p>1. Seiler Instrument & Manufacturing Company, Inc. 2. 3433 Tree Court Industrial Blvd. St. Louis, MO 63122</p>	<p>In accordance with letter dated May 15, 2009,</p> <p>3. License number 24-24451-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date October 31, 2011</p> <hr/> <p>5. Docket No. 030-28598 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen-3</p> <p>B. Hydrogen-3</p>	<p>7. Chemical and/or physical form</p> <p>A. Gas in glass ampoules as sealed sources (Saunders Roe Developments Ltd., or Mb-Microtec, Inc.)</p> <p>B. Gas in glass ampoules as sealed sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed 10.2 curies. Total possession not to exceed 20,000 curies (Also see License Condition No. 15)</p> <p>B. No single source to exceed 10.2 curies. Total possession not to exceed 20,000 curies (Also see License Condition No. 15)</p>
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9. Authorized Use:
- A. To be used for receipt, storage and installation of sealed sources into optical fire control instruments and/or spare parts. Testing of sealed sources and distribution of optical fire control devices and/or spare parts that are registered pursuant to Section 32.210 of 10 CFR Part 32 and contained in the U.S. Nuclear Regulatory Commission registry of sealed sources and devices.
 - B. For receipt, possession, storage and use, incident to removal of sealed sources from optical fire control instruments and/or spare parts, in preparation for disposal as described in letter dated July 22, 1996.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 3433 Tree Court Industrial Blvd., St. Louis, Missouri

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
24-24451-01

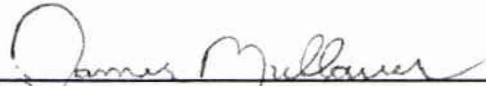
Docket or Reference Number
030-28598

Amendment No. 15

11. A. Licensed material shall be used by, or under the supervision of Andrew G. Leahy or individuals who have completed the training program specified in applications dated March 27, 1995, and April 6, 2001, and letter dated April 22, 1996, and who have been designated by the licensee's Radiation Protection Officer. The licensee shall maintain records of individuals who have been designated as authorized users.
- B. The Radiation Safety Officer for the activities authorized by this license is Andrew G. Leahy.
- C. The Assistant Radiation Safety Officers are Marinko Frankovic and Jack Rempe.
12. Sealed sources containing licensed material shall not be opened.
13. The licensee may transport licensed material in accordance with the provisions of 10CFR Part 71, "Packaging and Transportation of Radioactive Material."
14. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the sealed sources and the date of the inventory.
15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.
16. 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. Applications dated March 27, 1995, and April 6, 2001 (with attachments, excluding reference to Bryan Russell as assistant Radiation Safety Officer) and
- B. Letters dated April 22, 1996, May 3, 1996 (excluding radiation safety training test) and July 22, 1996 August 15, 2007 (with attachments), November 13, 2007, April 7, 2008, December 22, 2008, **May 15, 2009**; and
- C. Facsimile received February 5, 2009.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUN 30 2009

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