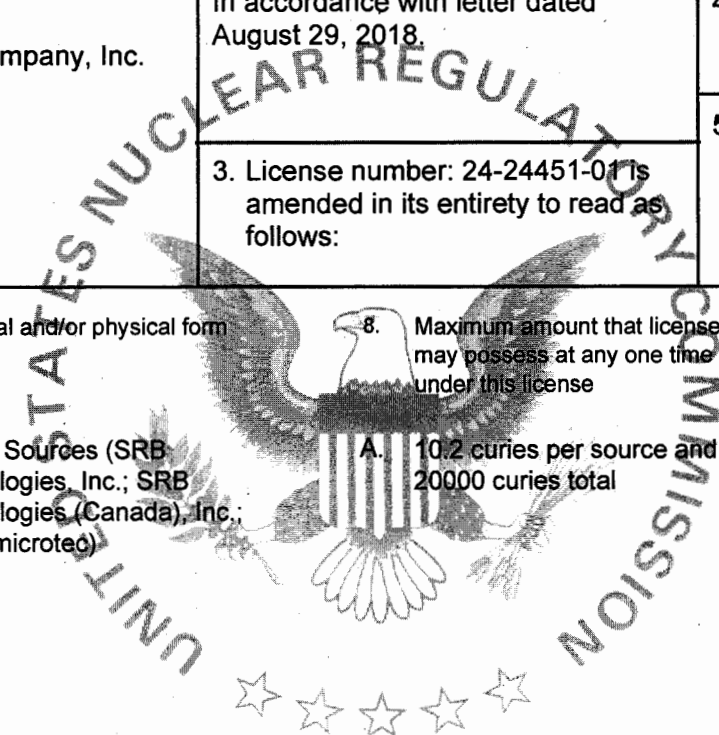


MATERIALS LICENSE

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, 37, 39, 40, 70 and 71, 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. Seiler Instrument & Manufacturing Company, Inc.</p> | <p>In accordance with letter dated August 29, 2018.</p> | <p>4. Expiration Date: March 31, 2022</p> |
| <p>2. 3433 Tree Court Industrial Blvd. St. Louis, MO 63122</p> | <p>3. License number: 24-24451-01 is amended in its entirety to read as follows:</p> | <p>5. Docket No.: 030-28598 Reference No.:</p> |

| | | | |
|--|--|---|---|
| <p>6. Byproduct, source, and/or special nuclear material</p> | <p>7. Chemical and/or physical form</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> | <p>9. Authorized use</p> |
| <p>A. Hydrogen-3</p> | <p>A. Sealed Sources (SRB Technologies, Inc.; SRB Technologies (Canada), Inc.; or mb-microtec)</p> | <p>A. 10.2 curies per source and 20000 curies total</p> | <p>A. For receipt, use, storage, possession, and installation of sealed sources (gas in glass ampoules) into optical fire control instruments and/or spare parts. For testing of sealed sources and distribution of the optical fire control devices and/or spare parts that are registered pursuant to 10 CFR 32.210 and contained in the U.S. Nuclear Regulatory Commission registry of sealed sources and devices.</p> |



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
24-24451-01

Docket or Reference Number
030-28598

Amendment No. 18

- | | | | |
|---|----------------------------------|--|---|
| 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 | 9. Authorized use |
| B. Hydrogen-3 | B. Sealed Sources | B. 10.2 curies per source and 20000 curies total | B. For receipt, possession, storage, and use incident to removal, of sealed sources (gas in glass ampoules) from optical fire control instruments and/or spare parts, in preparation for disposal as described in letter dated July 22, 1996 (ML012910341). |

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 3433 Tree Court Industrial Boulevard, St. Louis, Missouri, 63122.
11. A. The Radiation Safety Officer (RSO) for this license is Andrew G. Leahy.
- B. The Assistant Radiation Safety Officers (ARSOs) for this license are Marinko Frankovic and Amer Fajic.
12. Licensed material shall only be used by, or under the supervision of, Andrew G. Leahy or individuals who have received the training described in the application dated September 7, 2011 (ML112560503), and who have been designated by the licensee's Radiation Safety Officer (RSO). The licensee shall maintain records of individuals designated as authorized users for 3 years following the last use of licensed material by the individual.
13. Sealed sources containing licensed material shall not be opened.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

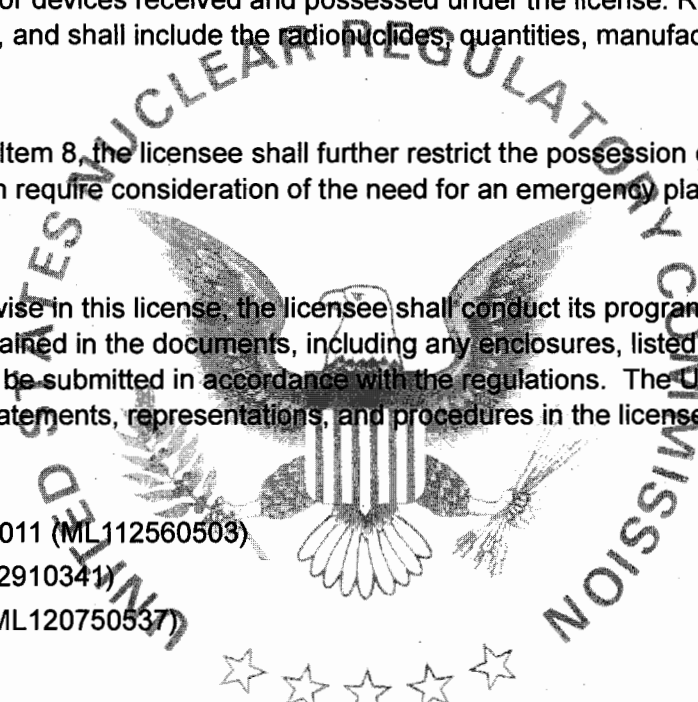
24-24451-01

Docket or Reference Number

030-28598


Amendment No. 18

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 sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 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. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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 September 7, 2011 (ML112560503)
- B. Letter dated July 22, 1996 (ML012910341)
- C. Letter dated February 29, 2012 (ML120750537)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: NOV 29 2018

By: 
Bryan A. Parker
Region 3