

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 03

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>Licensee</p> <p>1. Canberra Industries, Inc.</p> <p>2. 800 Research Parkway Meriden, Connecticut 06450</p>	<p>In accordance with letter dated April 7, 2016</p> <p>3. License number 06-15099-03E is amended in its entirety to read as follows:</p> <p>4. Expiration date October 31, 2023</p> <p>5. Docket No. 030-36154 Reference No. 41-14168-01E, 030-08045</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Barium-133 B. Chlorine-36 C. Cesium-137 D. Cobalt-60 E. Strontium-90 F. Europium-155 G. Sodium-22</p>	<p>7. Chemical and/or physical form</p> <p>A. to G. Sealed Check sources (Eckert & Ziegler, or Isotope Product Laboratories, or Spectrum Techniques)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. to G. Not applicable (See Condition 10)</p>

9. Authorized use: A through G:

- 1) In accordance with 10 CFR 32.14, "Certain items containing byproduct material; requirements for license to apply or initially transfer," the licensee is authorized to distribute ionizing radiation measuring instruments containing sources listed in Item No. 6 of this license, for purposes of internal calibration or standardization, not greater than 10 CFR 30.71 limits per source or per instrument to persons exempt from the requirements for a license under 10 CFR 30.15(a)(9), or equivalent regulations of any Agreement State. If multiple radionuclides used, the sum of such fractions shall not exceed unity and 10x total per instrument,
- 2) In accordance with 10 CFR 32.18, "Manufacture, distribution and transfer of exempt quantities of byproduct material: Requirements for a license," the licensee is authorized to distribute check sources listed in Item No. 6 of this license, not to exceed the exempt quantities of 10 CFR 30.71, "Schedule B," to persons exempt from licensing under 10 CFR 30.18, "Exempt quantities," or equivalent regulations of any Agreement State.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
06-15099-03EDocket or Reference Number
030-36154

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CONDITIONS

10. This license does not authorize possession or use of licensed material.
11. The licensee is authorized to distribute only from its facilities located at 800 Research Parkway, Meriden Connecticut and 107 Union Valley Road, Oak Ridge, Tennessee.
12. The licensee shall file periodic reports as specified in 10 CFR 32.16, and 32.20.
13. Except as specifically provided otherwise by 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 December 18, 2012 (12355A809);
 - B. Letter dated March 13, 2013 (ML13077A263);
 - C. Letter dated May 20, 2013 (ML13149A524);
 - D. Letter dated April 7, 2016 (ML16106A299).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 5/26/16

By /RA/
Shirley S. Xu
Materials Safety Licensing Branch
Division of Material Safety, State, Tribal, and
Rulemaking Programs
Office of Nuclear Material Safety and
Safeguards
Washington, DC 20555