

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. International Isotopes, Inc.,</p> <p>2. 4137 Commerce Circle, Idaho Falls, ID 83401</p>		<p>In accordance with letter dated May 6, 2021</p>	<p>4. Expiration Date: March 31, 2028</p>
		<p>3. License No.: 11-27680-02E is amended in its entirety to read as follows:</p>	<p>5. Docket No.: 030-37557 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. As specified in 10 CFR 30.70, Schedule A</p> <p>B. As specified in 10 CFR 30.71, Schedule B</p>	<p>7. Chemical and/or physical form</p> <p>A. Incidentally Activated Products</p> <p>B. Calibration and Standard Reference Sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No Possession Authorized</p> <p>B. No Possession Authorized</p>	<p>9. Authorized use</p> <p>A. In accordance with 10 CFR 32.11, the licensee is authorized to distribute processed gemstones containing byproduct material as listed in License Conditions 6 and 7, not to exceed concentrations as specified in 10 CFR 30.70, Schedule A, to persons exempt from the requirements for a license under 10 CFR 30.14, or equivalent regulations of any Agreement State.</p> <p>B. In accordance with 10 CFR 32.18, the licensee is authorized to distribute byproduct material not to exceed the exempt quantities of 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.</p>

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 11-27680-02E

Docket No.: 030-37557

Reference No.:

Amendment No.: 4

CONDITIONS

10. This license does not authorize possession or use of licensed material.
11. Licensed material shall be distributed only from the licensee's facility located at 4137 Commerce Circle, Idaho Falls, Idaho, 83401
12. A. Notwithstanding the requirements of 10 CFR 32.11(c), the licensee may distribute processed gemstones as described in the application dated October 24, 2017, for the purpose of being worn by human beings. These may contain radionuclides that do not appear in 10 CFR 30.70 at concentrations up to those specified in the application, applying NOTE 2 of 10 CFR 30.70; and
- B. The licensee shall evaluate any gemstones that the licensee has determined are below the exempt concentrations, and have subsequently been irradiated with an accelerator, using appropriate instrumentation and following appropriate procedures to ensure that any induced radionuclides do not exceed the concentration limits specified in 10 CFR 30.70, Schedule A, and the approved derived concentration limits for radionuclides not appearing in 10 CFR 30.70; and
- C. The licensee shall not accept any material unless it is accompanied by documentation indicating that the material has been analyzed and found to contain less than exempt concentrations as specified in 10 CFR 30.14 and 30.70, and in accordance with NOTE 2 to 10 CFR 30.70. The licensee shall ensure that the measurement process was adequate to measure radioactivity below the exempt concentrations. The licensee shall perform periodic confirmatory measurements, as approved, of the material received to ensure the regulatory requirements are met.

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13. 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 October 24, 2017 (ML17304A007);
 - B. Letter dated February 23, 2018 (ML18057A353);
 - C. Letter dated March 19, 2018 (ML18085A007);
 - D. Letter dated June 12, 2018 (ML18170A006).



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: July 21, 2021By: _____
Headquarters