

## 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, 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.

Licensee  1. Ideal Source Quality Assurance		In accordance with application dated October 08, 2018.	
		3. License number: 24-32675-03E	
2. 401 Vandiver Building 4, Suite 200 Columbia, MO 65201		4. Expiration Date: January 31, 2034	
		5. Docket No.: 030-39136 Reference No.:	
6. Byproduct, source, and/or special nuclear material  A. Any byproduct material with Atomic Nos. 3 through 92	7. Chemical and/or physical form  A. Irradiated processed diamonds and topaz gemstones	8. Maximum amount that licensee may possess at any one time under this license  A. No Possession Authorized	9. Authorized use  A. In accordance with 10 CFR 32.11, the licensee is authorized to distribute processed diamonds and topaz containing byproduct materials 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.

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 CONDITIONS

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10. This license does not authorize possession or use of licensed materials.
11. The licensee may distribute material from licensee's facilities located at 401 Vandiver, Building 4, Suite 200, Columbia, Missouri, 65201
12. The licensee shall file periodic reports as specified in 10 CFR 32.12(c).
13. 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 of 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.
14. Notwithstanding the requirements of 10 CFR 32.11(c), the licensee may distribute processed topaz and diamonds 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.
15. 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 October 8, 2018 (ML18296A010);
- B. Email dated January 10, 2019 (ML19016A356).

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Date: January 17, 2019By: /RA/  
Richard Struckmeyer  
Headquarters