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, 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.

Licensee	
1. Sterigenics International, Inc.	3. License number 32-31005-01E
2. 10811 Withers Cove Park Drive Charlotte, NC 28278	4. Expiration date May 31, 2019
	5. Docket No. 03037764 Reference No.

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
A. Any byproduct material with Atomic Nos. 3 through 92	A. Irradiated processed gemstones	A. Not applicable (see Condition 10)

9. Authorized use:

Pursuant to Section 32.11, 10 CFR Part 32, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material"; the licensee is authorized to distribute processed gemstones 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 licensing pursuant to Section 30.14, 10 CFR Part 30, or equivalent provisions of the regulations of any Agreement State.

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 7695 Formula Place, San Diego, California 92121

12. The licensee shall submit periodic material transfer reports as specified in Section 32.12, 10 CFR Part 32.

13. Notwithstanding the requirements of Section 32.11(c) of 10 CFR Part 32, the licensee may distribute processed gemstones for the purpose of being worn by human beings.

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number
32-31005-01E

Docket or Reference Number
03037764

CONDITIONS

(continued)

14. The licensee shall evaluate any gemstones which the licensee deems to be distributed to an exempt person pursuant to this license, and which have 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.

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. The Nuclear Regulatory Commissions'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 May 27, 2008;
    B. Letter dated September 18, 2008;
    C. Letter dated February 6, 2009; and
    D. Letter dated April 7, 2009.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date May 6, 2009

By **/RA/**
Richard K. Struckmeyer
Licensing Branch
Division of Materials Safety and State Agreements
Office of Federal and State Materials and Environmental Management Programs
Washington, DC 20555