

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.

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| Licensee | |
| 1. Owens Corning World Headquarters 2. One Owens Corning Parkway Toledo, OH 43659 | 3. License number 34-18712-04 |
| | 4. Expiration date January 31, 2010 |
| | 5. Docket No. 030-38121 Reference No. |

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| 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. Cesium-137 | A. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license. | A. Not to exceed 200 millicuries per source, total possession not to exceed 3.0 curies |
| B. Strontium-90 | B. Sealed sources (Amersham Model SIC/W33) | B. No single source to exceed 10 millicuries, total possession not to exceed 100 millicuries |

9. Authorized use:
- A. For sealed sources contained in Texas Nuclear non-portable gauging devices which have been registered pursuant to 10 CFR 32.210 and distributed in accordance with an NRC or Agreement State License for use by persons named in Condition 12 for the purpose of measuring properties of materials and/or controlling industrial processes.
 - B. To be used in Data Measurement Corporation SHR-1A source assembly for the measurement of product thickness or weight.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at Owens-Corning Fiberglas, Kearny Roofing Plant, 1249 Newark Turnpike, Kearny, New Jersey.

Official Use Only – Security-Related Information

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11. The Radiation Safety Officer (RSO) for this license is Kathleen A. Johnson.
12. Licensed material shall be used by, or under the supervision of, Kathleen A. Johnson, George Dehab, Randy Buckingham, Michael Kuklock, Dean Eckhoff, and Rick Hayden.
13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
14. A. (1) Each sealed source containing licensed material, shall be tested for leakage and/or contamination at intervals not to exceed six months; except those sealed sources as specified by the manufacturer and specifically authorized by the Commission or an Agreement State may be leak tested at intervals not to exceed three years. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used, The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

B. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

C. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
15. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by manufacturer or by persons specifically licensed by the Commission or an Agreement State to perform such services. Maintenance and repair of devices and installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
16. The licensee shall establish "lock-out" procedures to assure that prior to maintenance or repair in or around equipment to which licensed gauges are mounted, steps are taken to terminate the radiation beams, (e.g., "lock-out" shutters, placement of "beam stoppers," etc.) to prevent individuals from entering the radiation beam.

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17. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the gauges and the date of the inventory.
18. 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 August 30, 1991; and
 - B. Letters dated February 7, 1997 (excluding Paragraph B.3. regarding sources/devices under general license provision), April 16, 1997 (with attachments) and August 13, 2009.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 29 2009

By Colleen Carol Casey
Colleen Carol Casey
Materials Licensing Branch
Region IIII