

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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<p>Licensee</p> <p>1. Cargill, Inc.</p> <p>2. 1503 Wabash Ave. Lafayette, IN 47905</p>	<p>In accordance with the letter dated May 22, 2006,</p> <p>3. License number 13-24550-01 is amended in its entirety as follows:</p> <p>4. Expiration date November 30, 2010</p> <p>5. Pocket No. 030-28833 Reference No.</p>
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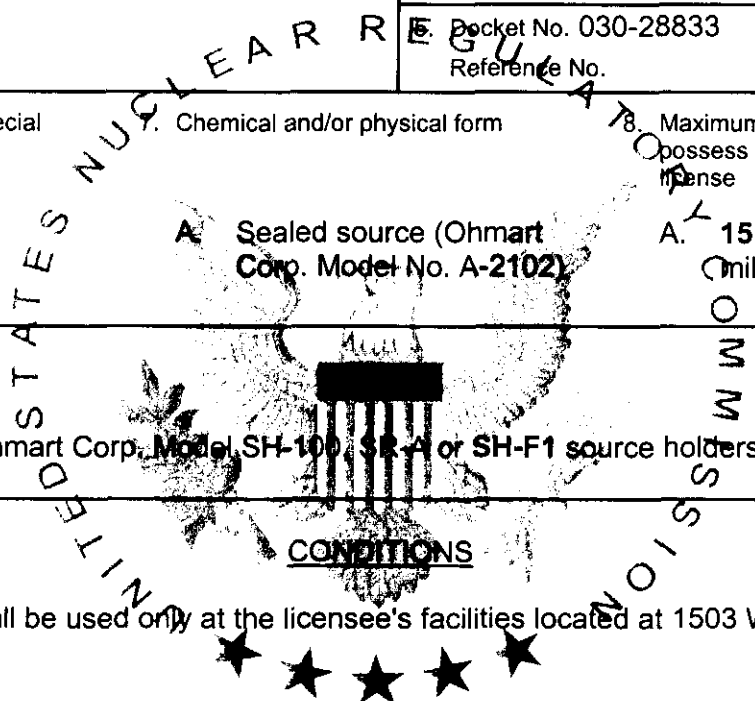
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium-137</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed source (Ohmart Corp. Model No. A-2102)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 15 sources not to exceed 50 millicuries each</p>
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9. Authorized Use:

A. To be used in Ohmart Corp. Model SH-100, SR-A or SH-F1 source holders for level measurement.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 1503 Wabash Avenue, Lafayette, Indiana.
11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated by the Radiation Protection Officer. The licensee shall maintain records of individuals designated as users and their training for 5 years following the last use of licensed material by the individual.
- B. The Radiation Protection Officer for the activities authorized by this license is Gene Sinclair.
12. A. (1) The sources specified in Item 7.A. shall be tested for leakage and/or contamination at intervals not to exceed 3 years. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.



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- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. **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.**
- D. The licensee is authorized to collect leak test samples for analysis by Ohmart Corp. or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources containing licensed material shall not be opened or removed from the gauges by the licensee.
14. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by Ohmart Corp. 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.
15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The record 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 sealed sources and the date of the inventory.
16. The licensee shall assure that the devices are tested for proper operation of the on-off mechanism and indicator, if any, at intervals not to exceed six months or at such other intervals as are specified by the manufacturer. The licensee shall maintain records of the results of these tests for a period of one year after the next required test is performed. These records shall show the date(s) of performance and results of these tests as well as the name of the individual performing the test.
17. The licensee shall operate each gauge within the manufacturer's specified temperature or any other environmental limits such that the shielding and shutter mechanism of the source holder is not compromised.
18. The licensee shall provide copies of operating and emergency procedures to all gauge users that meet the criteria in Appendix L to NUREG-1556, Vol. 4, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses," dated October 1998.

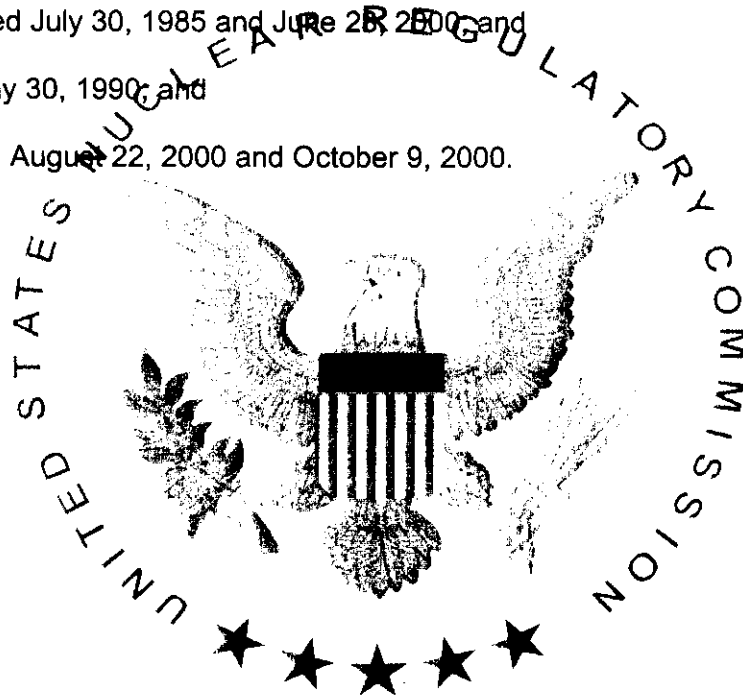
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19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
20. Except as specifically provided otherwise in this license, the licensee shall 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. Applications dated July 30, 1985 and June 28, 2000 and
 - B. Letters dated May 30, 1990 and
 - C. Facsimiles dated August 22, 2000 and October 9, 2000.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 26 2006

By William P. Reichhold
William P. Reichhold
Materials Licensing Branch
Region III