

U. S. NUCLEAR REGULATORY COMMISSION MATERIALS LICENSE

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Amendment No. 23

CORRECTED COPY

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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		In accordance with application received May 27, 1977,	
1. The Ohmart Corporation		3. License number 34-00639-01 is amended in its entirety to read as follows:	
2. 4241 Allendorf Drive Cincinnati, Ohio 45209		4. Expiration date January 31, 1984	
		5. Docket or 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. Cesium 137	A. Sealed sources	A. 300 curies total	
B. Strontium 90	B. Sealed sources	B. 100 curies total	
C. Cobalt 60	C. Sealed sources	C. 50 curies total	
D. Krypton 85	D. Sealed sources	D. 50 curies total	
E. Promethium 147	E. Sealed sources	E. 100 curies total	
F. Americium 241	F. Sealed sources	F. 50 curies total	
G. Thallium 204	G. Sealed sources	G. 1 curie total	
H. Cerium 144	H. Sealed sources	H. 1 curie total	
I. Polonium 210	I. Sealed sources	I. 10 millicuries total	
J. Carbon 14	J. Sealed sources	J. 10 millicuries total	
K. Ruthenium 106/ Rhodium 106	K. Sealed sources	K. 1 curie total	
L. Iron 55	L. Sealed sources	L. 1 curie total	
M. Cadmium 109	M. Sealed sources	M. 1 curie total	
N. Nickel 63	N. Sealed sources	N. 1 curie total	
O. Californium 252	O. Sealed sources	O. 5.4 millicuries (10 micrograms)	

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Supplementary Sheet

License Number 34-00639-01

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Docket or

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9. Authorized use

- A. through O. For use in research, development and testing of gauging devices; installation into devices; possession incident to the installation, servicing, and repair of Ohmart devices; calibration of radiation survey meters; instruction of individuals in the use and servicing of Ohmart devices; and for distribution in Ohmart devices to persons authorized to receive the licensed material under terms of specific licenses issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Licensed material may be used at the licensee's address stated in Item 2. above and at temporary job sites of the licensee anywhere in the United States where the U. S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Isotopes Committee, Andrew J. Livingston, Chairman.
13. A.
 - (1) Each sealed source acquired from another person and containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for contamination and/or leakage prior to use. 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) 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.
 - (3) Except for alpha sources, 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. Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months except that each source designed for the purpose of emitting alpha particles shall be tested at intervals not to exceed three months.

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CONDITIONS

(13. Continued)

- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently or semipermanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- D. If the test required by Subsection A. or C. of this condition reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region III, Office of Inspection and Enforcement, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
14. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application received May 27, 1977, and applications dated January 16, 1978, April 10, 1978, May 9, 1978, June 28, 1978, and July 6, 1978. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Date FEB 11 1980

For the U. S. Nuclear Regulatory Commission
Original Signed by
PAUL R. GUINN
by Material Licensing Branch
Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555

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