

MATERIALS LICENSE

Amendment No. 1

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, 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		In accordance with letter dated March 24, 1985	
1. Consolidated Packaging Corporation		3. License number 14-18819-01 is amended in its entirety to read as follows:	
2. P. O. Box 250 Fort Madison, IA 52627		4. Expiration date July 31, 1990	
		5. Docket or Reference No. 030-14214	
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 (New England Nuclear Model NER 570; Gamma Industries Model VD; General Radioisotope Products Model 850233; 3M Company Model 4P6M or Amersham Searle Model X.8. or 1.19.)	A. No single source to exceed 50 millicuries	
9. Authorized Use.			
To be used in a Kay-Ray, Inc. Model 7062 source holder for level measurements.			

CONDITIONS

10. Licensed material shall be used only at Foot of 18th Street, Fort Madison, Iowa.
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. A. Licensed material shall be used by, or under the supervision of, LaMonte Duke or William Gray.
- B. The Radiation Protection Officer for the activities authorized by this license is Henry C. Hentzel.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

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030-14214

Amendment No. 01

13. A. (1) Each sealed source shall be tested for leakage and/or contamination 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) 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) 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 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 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.
- C. If the test 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, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by Kay-Ray, Incorporated, or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
15. Installation, relocation, removal from service, maintenance, repair, and initial radiation survey of devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in devices shall be performed only by Kay-Ray, Incorporated, or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

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16. A. 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 sealed sources and the date of the inventory.
17. Duties of the Radiation Protection Officer shall include those items listed in Item 7 of the NRC guide entitled, "A Guide for Preparation of Applications for Licenses to Use Sealed Sources Containing Byproduct Material in Nonportable Gauging Devices," March 1980.
18. The licensee shall operate each gauge within the manufacturer's specified temperature or other environmental limits such that the shielding and shutter mechanism of the source holder is not compromised.
19. 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 dated September 28, 1979 (with attachments); and letter dated May 24, 1985 (with attachments). 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.

For the U.S. Nuclear Regulatory Commission

Date June 28, 1985

Original Signed
By George M. McCann
Materials Licensing Section, Region III

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