

MATERIALS LICENSE

Amendment No. 12

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

1. Iowa Office of Disaster Services

2. Hoover State Office Building
Room A-29
Des Moines, IA 50319In accordance with application dated
February 13, 19843. License number 14-11978-01 is amended in
its entirety to read as follows:

4. Expiration date September 30, 1990

5. Docket or
Reference No. 030-071646. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this license

A. Cesium-137

A. Sealed source
(Model No. ORNL 2339A
or ORNL DSK-2384)A. One source not
to exceed 143 curies

9. Authorized Use

A. To be used in a Defense Civil Preparedness Agency Model 2 calibrator for instrument
calibration.CONDITIONS10. Licensed material shall be used only at the licensee's facilities located at
Building B-66, Camp Dodge, RR 1, Grimes, 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. Licensed material shall be used by, or under the supervision and in the physical
presence of, James E. Phipps or Gerald A. Lang.13. A. (1) 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. 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.8509110335 850903
REG3 LIC30
14-11978-01 PDR11 COPY 2
me30

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

14-11978-01

Docket or Reference number

030-07164

Amendment No. 12

- 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 the licensee 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. Pocket dosimeters shall be checked for response annually and shall be repaired or replaced if measured response does not fall within $\pm 20\%$ of expected response.
16. 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 February 13, 1984 and letter dated July 30, 1985. 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

Original Signed

By William J. Adam, Ph.D.

Materials Licensing Section, Region III

Date September 3, 1985

COPY